EVERYTHING EOS

Compiled by EOS magazine

Every Canon EOS camera, lens, Speedlite and accessory from 1987 to 2023

YOUR COMPLETE GUIDE TO THE CANON EOS SYSTEM

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Welcome
to Everything EOS

This comprehensive listing of EOS system products began in the Winter 1987 issue of 'Focus' – a forerunner of EOS magazine. The magazine had published earlier product listings, but this was the first to include EOS cameras and lenses as the EOS system was only launched in the spring of 1987. Over the years the list grew from a single column to seven tightly-packed pages in the December 2001 issue. During 2002, we divided the listing into four sections – cameras, lenses, Speedlite and accessories – devoting three or four pages to each section in each issue during the year.

2003 was the first year we separated the listing from the magazine, producing the 'Everything EOS' supplement. This was mailed free each year to EOS magazine subscribers. The final printed supplement was published in 2012.

'Everything EOS' is now published digitally, available in our digital edition library ***(www.eos-magazine.com/digital/index.html)*** and as a PDF download free to EOS magazine subscribers: ***(www.eos-magazine.com/extralogin.html)***.

The advantage of the digital format is that we can update the pages as new EOS products are announced by Canon. There will often be several editions of 'Everything EOS' each year, rather than the previous annual edition.

Details of each new edition will be included in the EOS magazine email newsletter. If you do not currently receive this you can sign up at ***www.eos-magazine.com***

Robert Scott
robert@eos-magazine.com

The aim of this supplement is to list every EOS camera, lens, Speedlite and accessory manufactured by Canon since the system was introduced in 1987. Please get in touch if you spot any omissions or errors so that we can update future editions.

Everything EOS is compiled by EOS magazine, The Old Joinery, Ball Lane, Tackley, Kidlington, Oxfordshire OX5 3AG.
This edition updated July 2023.

Telephone 01869 331741
Email *editorial@eos-magazine.com*
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Prices are Canon's RSP (recommended selling prices) at launch, including VAT current at the time. E&OE.

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EOS mirrorless
Full-frame EOS R cameras

September 2018 saw the announcement of the EOS R system with full-frame (36 x 24mm) sensor. APS-C format models followed in 2022 (see next spread).

EOS R system (full-frame sensors)

EOS R3 2021-

• Launch price £5879.99 (body only)

The EOS R3 is a professional camera body. It features a built-in camera grip with a second set of controls for vertical shooting. Canon has confirmed that the camera will sit between the EOS R5 and the flagship DSLR, the EOS-1D X Mark III.

There are dual card slots – one SD, one CFexpress. For faster workflow, there's a wired LAN port and 5G Wi-Fi, and the R3 is compatible with Canon's new Mobile File Transfer app. The EOS R3 shares the same LP-E19 battery as the EOS-1D X Mark III.

Borrowing another feature from the 1D X Mark III, the R3 is Canon's second camera to deploy a Smart controller. This is an AF-ON button which can be used to move the AF point around the frame with the touch of a finger or thumb.

The sensor resolution is 24.1 megapixels and the EOS R3 is the first Canon camera to use a back-illuminated stacked (BSI) CMOS sensor. The benefits of moving to a BSI sensor include better low-light performance – the R3 focuses down to -7 EV – less noise, faster read-out speeds and improved electronic shutter performance

While Canon isn't making such a big noise about the video features as it did with the EOS R5, the R3 is more than capable in this respect. For the first time there's no maximum 29 minutes, 59 seconds recording time. Canon says the camera can record up to six hours of regular video (FHD, UHD). It can also shoot in 6K and 4K oversampled, plus Canon Log 3 is pre-programmed. You can record video to both cards simultaneously, a feature that's also just been added to the R5 via a recent firmware update. Lastly, the overheating issues that have haunted the EOS R5 aren't a concern. Canon points out that the larger camera body helps here, as there is more room for the heat to dissipate.

The R3 can shoot at up to 30 frames per second (fps) – even for RAW files – when using the electronic shutter. And all of this is powered by Canon's latest generation of processor, DIGIC X. Like the EOS R5 and R6, the R3 offers up to 8 stops of combined image stabilisation (IS) – using both in-body IS (IBIS) and optical IS.

There's an extra way in which to control the AF points. Aside from the multi-controller and smart controller – the touchpad-type control first found on the EOS-1D X Mark III – you can select where to start focusing just by looking at your subject through the viewfinder. Eye-control AF works using eight infrared LEDs (iREDs) within the viewfinder assembly to track your eye movement. It needs calibrating initially, but Canon says it should even work for glasses and contact wearers, and will get better over time. The purpose of this feature is to acquire, but not to track, your subject. Leave that to the R3's sophisticated focusing algorithms.

The EOS R3 adds a new item to the 'Subject to detect' settings – 'Vehicles'. Programmed with deep-learning technology, which uses huge libraries of sample images to 'teach' the camera about the possible shapes identifiable as each subject, Vehicles AF is designed to work with motorbikes, open cockpit cars, plus GT and rally cars. 'Spot detection' allows you to choose whether to prioritise the vehicle or the driver's helmet. The subject detection works in all AF modes, something that wasn't possible with previous models.

There's an upgrade to the anti-flicker feature. First introduced with the EOS 7D Mark II in 2014 to deal with banding and exposure issues under fluorescent light, this feature originally used the RGB+IR sensor in the viewfinder to detect the rapid pulsing of affected light sources, and linked the metering system to the shutter timing. The EOS R3 adds a new high frequency (HF) mode to this feature, which Canon says will detect and correct flickering lights at faster rates – such as LEDs – when using even faster shutter speeds.

There is an update to the hotshoe. It looks exactly like the old one – four small connectors, plus a fifth larger one, all contained within a horseshoe-shaped metal plate. However, the new shoe has a toecap-type extension to the front. Under this is a new set of connectors – 12 pins in total – that can deliver two-way communication and, more importantly, share the camera's power with compatible accessories. If you already own any Canon accessories that fit on the camera's hotshoe, such as a Speedlite, there will be no loss of performance. However, there are new accessories that take advantage of this new design.

EOS magazine, Oct-Dec 2021, page 20

EOS R5 2020-

• £4199.99 (body only)

EOS R6 2020-

• £2499.99 (body only)
• £2729.99 with RF 24-105mm f4-7.1 IS STM

EOS R5 and R6 both offer 12fps shooting, extended to 20fps with the electronic shutter, DIGIC X processing and, for the first time in an EOS camera, 5-stop in-body image stabilisation (IBIS), which can work with optical IS to offer a stabilisation benefit of up to 8 stops. Canon's powerful Dual Pixel AF system has been further developed, with both cameras benefitting from the latest autofocus technology and AI learning – not only for human subjects, but also animal subjects – dogs, cats and birds. This works with eyes, faces and head shapes for both static and moving subjects.

The two bodies are similar and both take the same battery. The new LP-E6NH is the highest capacity E6 battery yet, offering 2125mAh to power all the additional features on the R5 and R6 cameras. With 14% more capacity than the LP-E6N it is a significant upgrade. LP-E6 batteries are both forward and backward compatible, so the EOS R5 and R6 can be used with earlier versions. Both cameras work with the USB Power Adapter PD-E1, which can charge LP-E6N or LP-E6NH batteries in-camera (not compatible with the original LP-E6 battery packs), or instead can power the camera directly from the mains. The same adapter can also be used with the BG-E10 battery grip.

Two features set the EOS R5 apart from the EOS R6 – 8K video and a 45MP sensor. The two are linked – you need a lot of pixels to give the capacity to shoot at such high resolution for video. The EOS R5 also sets new standards for shooting at 4K, offering a choice of frame rates – from oversampled 8K footage shot at 30p to 4K UHD shot at 120p with 4:2:2 10-bit quality. In terms of the 45MP sensor, what makes this camera impressive is both the speed and burst rates which the camera can maintain. The EOS 5DS manages 5fps for 50MP files; the R5 achieves 12fps. And it keeps going for up to 350 JPEGs and 180 RAW when using a CFexpress card.

While both the EOS R5 and R6 offer two cards slots, the EOS R5 offers a choice – one slot for CFexpress, the other for SD cards. The CFexpress cards are a must when shooting 8K video and, given the higher resolution files from the R5, are an important factor in achieving the maximum burst rate. Both cameras offer the HEIF image format in addition the JPEG and RAW shooting

The combination of fast shooting rates that match the EOS R5, as well as powerful focusing and resolution comparable to the EOS-1D X Mark III, make the EOS R6 an ideal camera for wildlife and sports photography enthusiasts. And you have got 4K video.

Canon sees the EOS R6 as the successor both to the EOS 7D Mark II and 6D-series. And, for those looking to move to mirrorless, it's keen to stress that EF lenses perform just as well when adapted to the R-series cameras as they do on a DSLR.

The EOS R6 is comfortable in low-light conditions, able to focus in levels as low as EV -6.5. This exceeds the capability of all previous EOS cameras, including the EOS R5 (EV -6). ISO 102400 is available as standard, giving plenty of latitude to work flexibly in low light.

Although the EOS R6 Mark II has been introduced (see right), the EOS R6 is still available for the time being.

EOS magazine, Oct-Dec 2020, page 20

EOS R5 video overheating

There's been criticism about the EOS R5 overheating when using its video functions, or more specifically how long it takes to cool down. Despite some of the marketing, the EOS R5 is not pitched as a pro video camera. It is a stills camera with incredible 8K video specs.

EOS R6 Mark II 2022-

• Launch price £2779.99 (body only)

There's a brand new 24.2MP sensor in the EOS R6 Mark II, offering an extra 4MP resolution over its predecessor. The fastest EOS camera to date, the R6 Mark II can shoot at up to 40 frames per second (fps) via the electronic shutter, and up to 12fps with the mechanical shutter. The electronic shutter facilitates a RAW burst mode – a feature which first appeared on the EOS R7, but which makes its debut on a full-frame camera with the R6 Mark II.

The camera can recognise even more subject types than previous iterations of the subject detection system, including new transport and animal types. And with the powerful Subject tracking feature – found on the R3, R7 and R10 cameras – the R6 Mark II will happily follow your subject around the frame.

The video features have been bolstered, making this camera even more versatile. Some of the Cinema EOS features make it onto the R6 Mark II, such as the ability to prevent the camera from refocusing when the main subject leaves the frame and detecting false colours. There's even a dedicated switch to change instantly from stills to video.

The EOS R6 Mark II builds on the highly sophisticated and accurate Subject detection system, first seen in the R5 and R6 cameras in 2020. Developed using Deep Learning Technology, the system has been further enhanced so that horses, trains and planes can now be detected.

There's also a new Auto mode within Subject detection. You don't need to tell the camera which subject type you are shooting – the camera automatically detects and decides what's in the frame, then adapts the focusing accordingly. It's not just the Animal AF and Vehicle AF detection systems which have been refined. When it comes to capturing people, there's now the option to specify which eye you want to have priority. Alternatively you can leave it to the camera to decide using the Auto option.

EOS magazine, Jan-Mar 2022, page 20

EOS R8 2023-

• Launch price £1699.99 (body only)
• Launch price £1829.99 (with RF 24-50mm f4-6.3 IS STM lens)

The EOS R8 is a full-frame mirrorless camera which inherits technology from the feature-packed EOS R6 Mark II and offers a compact design similar to the EOS RP. It features a 24.2 megapixel CMOS sensor which offers a fast read-out speed to unlock a number of advanced features, including a reduced rolling shutter that enables 40fps continuous shooting and low-noise high ISO up to 102,400.

The EOS R8 has a high-resolution 2.36m dot electronic viewfinder working at up to 120fps. The intuitive interface makes the camera easy to operate with a dial featuring 12 modes across still and video shooting and a dedicated switch for moving between photo and movie capture.

The advanced sensor of the EOS R8 captures full-width 4K 60p footage that is oversampled from 6K sensor data for sharp, detailed video content, as well as 180fps Full HD recording for slow motion videos. The camera gives extended recording times for up to two hours of normal video shooting, ideal for capturing vlogs or shooting at events.

Featuring the same Dual Pixel CMOS AF II as the EOS R6 Mark II, the EOS R8 focuses in as little as 0.03 seconds, even at 40fps with the electronic shutter. This intelligent system detects and tracks a range of subjects including animals, vehicles and people, offering head, face and eye detection for precision focus. It is even possible to select which eye to prioritise.

With built in 2.4GHz Wi-Fi and Bluetooth connectivity users can share their work and make use of the Camera Connect app. For iPhone owners, the EOS R8 makes direct download and operation possible. The camera can also be used as a webcam. Users with an image.canon subscription can leverage the Neural Network Image Processing Tool6 for advanced noise and moiré reduction that achieves natural-looking JPEG and HEIF images.

EOS magazine, Apr-Jun 2023, page 22

EOS R 2018-

• Launch price £2349.99 (body + mount adapter)
• Launch price £3269.99 (body with mount adapter and RF 24-105mm f4L IS USM lens

The EOS R is the first camera in a new Canon system. It introduces the RF lens mount with a 12-pin connection, flange back distance of 20mm, giving increased flexibility in lens design.

The EOS R has a full-frame CMOS sensor with approximately 30.3 million effective pixels and a DIGIC 8 image processor. A built-in Digital Lens Optimiser reduces the effect of lens aberrations. The camera can autofocus in as little as 0.05 seconds and offers continuous shooting at up to 8 frames per second (5fps with AF tracking). Touch and drag autofocus (on the vari-angle LCD screen) allows the selection of 5655 AF positions. The EOS R is able to autofocus in low light down to -6EV.

The built-in electronic viewfinder (EVF), with 3.69 million dots, provides 100% coverage of a scene and makes it possible to see subjects in accurate colour even in near dark conditions.

There is a silent shooting option and a new Flexible-priority (Fv) AE mode in addition to Program AE, Shutter-priority AE and Aperture-priority AE modes.

Always-on Bluetooth allows a smartphone to be paired with the EOS R for capturing GPS data. Remote shooting using the Canon Camera Connect app offers flexible shooting.

All RF lenses feature a customisable Control Ring. This can be set to adjust aperture, shutter speed, ISO or exposure compensation. The EOS R supports AF at up to f11 (effective, for example, with a lens which has a maximum aperture of f5.6 used with an Extender EF 2x).

EOS magazine, Oct-Dec 2018, page 20

EOS R discontinued

There are reports that Canon has stopped production of the EOS R. However, it is still available from some suppliers, so we are keeping it on this page for the time being.

EOS RP 2019-

• Launch price £1399.99 (body + mount adapter)
• Launch price £2329.99 (body with mount adapter and RF 24-105mm f4L IS USM lens)

The EOS RP is a small and light camera with a price below that of the EOS R. The camera is built around a magnesium alloy chassis, including sealing materials to provide dust and moisture resistance.

The camera features a Dual Sensing IS system that reduces the effects of camera shake for hand-held photography. It works by detecting camera shake on the sensor, which combines with Canon's existing lens image stabilisation technology.

A continuous shooting rate of up to 5 frames per second (maximum 4fps with Servo AF), combined with a UHS-II card slot, gives an unlimited buffer when shooting JPEGs, with a limit of 50 RAW files before it starts to slow down. The autofocus operates at 0.05 seconds.

A 26.2 Megapixel full-frame CMOS sensor is coupled with a DIGIC 8 processor. Optimised for low light conditions, the ISO range of 100-40,000 – expandable to ISO 50-102,400 – works alongside the Dual Pixel CMOS AF system to enable shooting down to -5 EV.

There are up to 4779 manually selectable AF point positions, with 143 AF areas automatically available. Touch & Drag AF makes it easy to control the focus area while framing using the viewfinder or simply by touching the LCD screen. Eye Detection AF works with continuous tracking to focus on the subject's eye when in Face detection+tracking mode. Spot AF has been added, offering a smaller single AF point for absolute precision with obscured subjects,

For precise and detailed macro photography, focus bracketing allows for depth-of-field to be achieved across the entire subject. This mode continuously shoots up to 999 shots with a range of automatically adjusted focal positions, at increments of your choosing. Digital Photo Professional can then be used to create a final shot which is in focus over the desired depth-of-field. The feature works with compatible lenses.

EOS magazine, Apr-Jun 2019, page 22

Camera images are not to scale

	In body image stabiliser	Mega pixels	DIGIC	Movie formats	Electronic viewfinder	Live View	Media card(s)	Max. ISO	Expanded ISO	Max. shooting speed	Max. burst JPEG/RAW	Max. focus points	Metering modes	Metering zones	Max. shutter speed	Fastest x-sync		Remote socket/ switch	Exp. comp. (stops)	Custom Functions	LCD screen size	Vari-angle screen	Touch screen	Built-in Wi-Fi/NFC/ Bluetooth	Built-in GPS	Interval-ometer	Battery	Battery grip	Size (mm)	Body weight	
EOS R	–	30.3	8	4K/Full HD/HD	3.69m dots	✓	SD/SDHC/SDXC	40000	102400	8fps	100/34	5655	E/P/S/C	384	1/8000s	1/200s		E3/BR-E1	±3	19	3.15in	✓	✓	✓/–/✓	–	–	LP-E6/N	BG-E22	136x98x84	660g	**EOS R**
EOS Ra	–	30.3	8	4K/Full HD/HD	3.69m dots	✓	SD/SDHC/SDXC	40000	102400	8fps	100/34	5655	E/P/S/C	384	1/8000s	1/200s		E3/BR-E1	±3	22	3.15in	✓	✓	✓/–/✓	–	–	LP-E6/N	BG-E22	136x98x84	660g	**EOS Ra**
EOS RP	–	26.2	8	4K/Full HD/HD	2.36m dots	✓	SD/SDHC/SDXC	40000	102400	5fps	UCF/50	4779	E/P/S/C	384	1/4000s	1/180s		E3/BR-E1	±3	23	3.0in	✓	✓	✓/–/✓	–	–	LP-E17	–	132x85x70	485g	**EOS RP**
EOS R3	✓	24.1	X	6K/4K/Full HD/UHD	5.76m dots	✓	CFexpress/SD/SDHC/SDXC	102400	204800	30fps	1000+/1000	4779	E/P/S/C	384	1/64000s	1/250		N3/BR-E1	±3	34	3.15in	✓	✓	✓/–/✓	✓	✓	LP-E19	built-in	150x143x87	822g	**EOS R3**
EOS R5	✓	45	X	8K/4K/Full HD	5.69m dots	✓	CFexpress/SD/SDHC/SDXC	51200	102400	20fps	350/180	5940	E/P/S/C	384	1/8000s	1/250s		N3/BR-E1	±3	23	3.15in	✓	✓	✓/–/✓	–	–	LP-E6NH	BG-R10	136x97x88	650g	**EOS R5**
EOS R5 C*	–	45	X	8K/Super 35/Super 16	5.76m dots	✓	CFexpress/SD/SDHC/SDXC	25600	102400	20fps	350/180	5940	E/P/S/C	384	1/8000s	1/250s		N3/BR-E1	±3	22	3.2in	✓	✓	✓/–/✓	–	–	LP-E6NH	BG-R10	142x101x111	680g	**EOS R5 C**
EOS R6	✓	20.1	X	4K/Full HD	3.69m dots	✓	2x SD/SDHC/SDXC	102400	204800	20fps	1000+/240	6072	E/P/S/C	384	1/8000s	1/250s		E3/BR-E1	±3	21	3.0in	✓	✓	✓/–/✓	–	–	LP-E6NH	BG-R10	138x97x88	598g	**EOS R6**
EOS R6 Mk II	✓	24.2	X	4K/Full HD	3.69m dots	✓	2x SD/SDHC/SDXC	102400	204800	40fps	1000+/110	4897	E/P/S/C	384	1/8000s	1/250s		E3/BR-E1	±3	22	3.0in	✓	✓	✓/–/✓	–	–	LP-E6NH	BG-R10	138x98x88	588g	**EOS R6 Mk II**
EOS R8	–	24.2	X	4K/Full HD	2.36m dots	✓	SD/SDHC/SDXC	102400	204800	40fps	1000+/1000+	4897	E/P/S/C	384	1/16000s	1/200s		E3/BR-E1	±3	22	3.0in	✓	✓	✓/–/✓	–	–	LP-E17	–	132x86x70	414g	**EOS R8**

* See page 23. [1]UHS-I cards supported. [2]UHS-I and UHS-II cards supported. [3]UCF = until card is full. [4]up to 1/16000s using the electronic shutter option. [5]dual card slot CFexpress and SD/SDHC/SDXC[2]

Metering modes: Evaluative (E), Partial (P), Spot (S), Centre-weighted average (C).

EOS camera and lens supply issues

On 10 February 2023, Canon posted the following message. "Currently, we have received more orders than expected for the following products, and due to the global supply of parts, delivery delays are occurring. We are planning to ship in order, but it may take longer than usual to deliver." The products listed are:
EOS R6 Mark II, EOS R7, EOS R8
RF 135mm f1.8L IS USM
RF 400mm f2.8L IS USM
RF 800mm f5.6L IS USM
Speedlite EL-5

EOS mirrorless
Crop-sensor EOS R cameras

May 2022 saw the introduction of crop-sensor (22.3 x 14.9mm) EOS R cameras

EOS R system crop-sensor (APS-C) cameras

EOS R7 2022-

- Launch price £1349.99 (body only)
- £1799.99 with RF-S 18-150mm f3.5-6.3 IS STM

The EOS 7D is a camera that boasts much of the technology that has made the R5 and R6 so popular, and that crowns the R3 as king – namely IBIS (in-body image stabilisation), subject detection and powerful focusing performance. It's blisteringly fast too, offering 15 frames per second (fps) with the mechanical shutter, which doubles when used with the electronic shutter. Yes, that's right – 30fps.

Its ancestry is clearly the 7D-series, with a nod to the 90D – both of which are fast, accurate and action-geared shooters, making the R7 ideal for wildlife, sports and adventure photography. Canon is quick to concede, however, that the technology has moved on so much since the EOS 7D Mark II – first launched in 2014 – that it's not a clear-cut comparison with earlier DSLRs.

It's a capable video tool, too, with the ability to capture 4K at 60p for around an hour uninterrupted, plus Canon Log 3 is natively available for more serious videographers, expanding the post-production potential.

The inclusion of IBIS – in-body image stabilisation – in the EOS R7 is equally surprising and welcome. It opens up huge additional creative possibilities when shooting handheld. Of course, it won't benefit you when shooting moving subjects, but it will remove the need for a tripod in many still-subject scenarios. The EOS R7 also offers an EOS first – an Auto-level feature utilises the IBIS system to achieve level horizons.

New to the EOS R7 is a combined AF multi-controller and control wheel. This is designed to improve autofocus navigation and handling.

The EOS R7 is earmarked as the flagship APS-C sized R-series camera and will sit at the top of this new branch of mirrorless cameras. Like the EOS 7D Mark II there are various pro-geared features, which is reflected in the build too. It's weather-resistant, uses the same LP-E6-series batteries as a number of other EOS R-series cameras as well as prosumer DSLRs and has two SD card slots, giving you both flexibility and reassurance when it comes to recording to multiple cards.

EOS magazine, Jul-Sep 2022, page 20

EOS R10 2022-

- Launch price £899.99 (body only)
- £1099.99 with RF-S 18-45mm f4.5-6.3 IS STM
- £1349.99 with RF-S 18-150mm f3.5-6.3 IS STM

Canon describes the EOS R10 as 'a powerful all-rounder', one that's designed for the 'hybrid' user (that's content creators who regularly switch between stills and video). Positioned roughly between where the EOS 90D and EOS 850D (Rebel T8i) sit in the DSLR line-up, it's classed as an advanced amateur camera. Whilst is doesn't have the IBIS of the EOS R7, it does offer Movie Digital IS for steadier video capture.

It's small – think along the lines of the EOS 250D (Rebel SL2), matching perfectly with the more compact RF-S lenses.

It might be small, it might be for 'advanced amateurs', but the R10 certainly does not lack features. Like the EOS R7, you'll find focus bracketing, Interval and Bulb timers. There are two Custom shooting modes and 18 Custom Functions (three and 19 on the EOS R7).

Both the EOS R7 and R10 use the new multi-function hotshoe. This can power compatible accessories, such as the Canon DM-E1D Directional Stereo Microphone, directly from the camera. The EOS R10 also has a built-in flash, which is missing on the EOS R7.

The EOS R7 and R10 give access to Creative zone modes – including the new Fv (Flexible priority) mode – as well as the pre-programmed Special Scene (SCN) modes. These modes, accessible via the SCN icon on the mode dial, include a range of subject-based modes, from the more familiar Landscape, Sports and Macro modes to a brand new mode for creating in-camera panoramas. The SCN modes are useful for getting you started with specific subjects, or for grab shots when you don't have time to change your settings.

Some of the other specifications take the EOS R10 down a notch or two from the R7 – such as reduced magnification/angle-ofview through the viewfinder, reduced dioptric adjustment, fewer dots on the vari-angle screen and slightly poorer low light performance (EV -4 vs. -5). The LP-E17 battery won't power all those features for as long as the LP-E6 in the R7, either.

But for a £450 saving over the EOS R7 it offers choice at the very least.

EOS magazine, Jul-Sep 2022, page 20

EOS R50 2023-

- Launch price £789.99 (body only, black)
- £899.99 (black) with RF-S 18-45mm f4.5-6.3 IS STM
- £899.99 (white) with RF-S 18-45mm f4.5-6.3 IS STM
- £949.99 (black) with Vlogger Kit
- £979.99 (black) with RF-S 18-45mm f4.5-6.3 IS STM
- £1099.99 (black) with RF-S 18-45mm IS STM and RF-S 55-210mm IS STM

The EOS R50 is a small, lightweight camera. Compose a shot at any angle with the vari-angle touch screen – up high, down low or with the camera facing you for vlogging.

The high-resolution 24.2 megapixel sensor takes sharp detailed stills and records UHD 4K 30p video oversampled from 6K. The camera has reduced digital noise and controlled highlights when shooting at night and more contrast when there's a wide dynamic range.

Creative assist automatically offers the ideal settings for different scenes, while creative bracketing provides multiple looks for each image. The camera features two of the latest SCN modes – Panorama and Panning. The Panorama mode takes continuous shots at around 5fps as you pan the camera, then automatically stitches them in-camera to create a high-resolution panoramic image.

Panning mode uses coloured lines to indicate the deviation between the subject's path of movement and that of the camera.

Dual Pixel CMOS Auto Focus II detects and tracks people, animals and vehicles to quickly focus on subjects, even if they are moving. This is supported by continuous shooting at 12fps using the electronic first curtain and 15fps silent electronic shutter.

Featuring a multi-function hot shoe, vloggers can easily connect external accessories such as a microphone to the camera, which is more resistant to noise interference than when connected via a cable. The multi-function shoe can also be used to supply power from the camera to new accessories.

Wi-Fi and Bluetooth connectivity enables image and movie transfer using the Camera Connect app for instant sharing and remote shooting. The Bluetooth connection allows simple control with the BR-E1 remote control or a smartphone to take images or start and stop recording. It's also possible to use the EOS R50 as a webcam, requiring no additional software.

EOS magazine, Apr-Jun 2023, page 24

EOS R100 2023-

- Launch price £669.99 with RF-S 18-45mm f4.5-6.3 IS STM
- £999.99 with RF-S 18-45mm f4.5-6.3 IS STM and RF-S 55-210mm f5-7.1 IS STM

The EOS R100 is a small camera for beginners looking to improve image and video quality that's beyond the capabilities of their smartphone.

There's a built-in Feature guide and graphic-style menu to help you get to grips with this camera, as well as a bundle of features to enhance your creativity and images, such as Creative Assist and Creative Filters.

The 24.1MP sensor used in the EOS R100 is the same found in the EOS M50 Mark II, but optimised for the EOS R system. It utilises Canon's original Dual Pixel CMOS AF technology, meaning that when capturing family and friends, this camera will keep track of faces and even eyes thanks to the intelligent Face detection+tracking focusing system.

The EOS R100 has a bright 2.36-million dot electronic viewfinder with a 60 frame per second (fps) refresh rate for comfortable viewing, as well as a fixed 3-inch rear LCD screen. However, the rear screen doesn't offer touch controls.

The mode dial on the EOS R100 gives access to the usual mix of basic zone and creative zone modes. There's no Fv mode, but there are the other usual settings – such as aperture-priority (Av) and manual (M) – for taking more control when you are ready. Until that time, in addition to Auto+ mode and Hybrid Auto (see below), there are ten Special Scene (SCN) modes, including Food mode, Panning mode and the recently introduced Silent shutter mode.

The EOS R100 is equipped with Wi-Fi and Bluetooth. The camera is also compatible with the latest version of Canon's Camera Connect app.

The EOS R100 can also capture high-quality video. It can shoot 4K footage using Contrast AF (with a 1.55x crop) at 25p, from which 8.3MP frame grabs can be extracted. Full HD (60p) and HD (120p) use the full width of the sensor and also make use of the powerful Dual Pixel CMOS AF focusing. In addition there are time-lapse and miniature video features, whilst Movie Digital IS (image stabilisation) helps to keep video footage steady and smooth.

EOS magazine, Jul-Sep 2023, page 22

	In body image stabilisation	Mega pixels	DIGIC	Movie formats	Electronic viewfinder	Live View	Media card	Max. ISO	Expanded ISO	Max. shooting speed[2]	Max. burst JPEG/RAW[3]	Max. focus points	Metering modes	Metering zones	Max. shutter speed[4]	Fastest x-sync	
EOS R7	4	32.5	X	4K UHD/Full HD	2.36m dots	✓	2x SD/SDHC/SDXC[1]	32000	51200	15/30fps	224/59	5915	E/P/S/C[5]	384	1/8000s	1/250s	
EOS R10	–	24.2	X	4K/Full HD/HD	2.36m dots	✓	SD/SDHC/SDXC[1]	32000	51200	15/23fps	460/29	4503	E/P/S/C[5]	384	1/8000s	1/200s	
EOS R50	–	24.2	X	4K UHD/Full HD	2.36m dots	✓	SD/SDHC/SDXC[1]	32000	51200	12/15fps	42/7	4503	E/P/S/C[5]	384	1/8000s	1/250s	
EOS R100	–	24.1	8	4K/Full HD	2.36m dots	✓	SD/SDHC/SDXC	12800	25600	6.5fps	97/6	3975	E/P/S/C[5]	384	1/4000s	1/250s	

	Remote socket/ switch	Exp. comp. (stops)	Custom Functions	LCD screen size	Vari-angle screen	Touch screen	Built-in Wi-Fi/NFC/ Bluetooth	Built-in GPS	Interval-ometer	Battery	Battery grip	Size (mm)	Body weight	
EOS R7	E3/BR-E1	±3	19	2.95in	✓	✓	✓/–/✓	–	–	LP-E6/N[6]	–	132x90x92	530g	**EOS R7**
EOS R10	E3/BR-E1	±3	18	2.95in	✓	✓	✓/–/✓	–	–	LP-E17	–	122x88x83	382g	**EOS R10**
EOS R50	none	±3	6	2.95in	✓	✓	✓/–/✓	–	–	LP-E17	–	116x85x69	328g[7]	**EOS R50**
EOS R100	E3/BR-E1	±3	5	3.0in	–	–	✓/–/✓	–	–	LP-E17	–	116x85x69	309g	**EOS 100**

[1] UHS-I and UHS-II cards supported. [2] Mechanical/electronic shutter. [3] With mechanical shutter. [4] up to 1/16000s using the electronic shutter option. [5] Metering modes: Evaluative (E), Partial (P), Spot (S), Centre-weighted average (C). [6] Also LP-E6NH and LP-E6. [7] Black 328g; white 329g

EOS mirrorless
Lenses for EOS R-series cameras

RF and RF-S lenses will fit all EOS R-series cameras. Full-frame models switch to crop mode with RF-S lenses.

www.eos-magazine.com

Lenses for EOS R-series cameras

	IS stops*	Elements/ groups	Minimum aperture	Aperture blades	Closest focus	Maximum magnification	Filter	Size (d x l)	Weight	Lens hood	Lens pouch	Introd.	Launch price
RF lenses RF lenses only fit EOS R-series cameras. EF, EF-S, TS-E and MP-E lenses can be used on EOS R-series cameras via mount adapters.													
RF 16mm f2.8 STM	5.5	9/7	f22	7	0.13m	0.26x	43mm	69x40mm	165g	EW-65C	LP1014	11/21	£319.99
RF 24mm f1.8 Macro IS STM	5/8.5	11/9	f22	9	0.14m	0.50x	52mm	74x63mm	270g	EW-65B	LP1016	07/22	£719.99
RF 28mm f2.8 STM	–	8/6	f22	7	0.23m	0.17x	55mm	69x25mm	120g	EW-55	LP811	06/23	£344.99
RF 35mm f1.8 Macro IS STM	5/7	11/9	f22	9	0.17m	0.50x	52mm	74x63mm	305g	EW-52	LP1016	12/18	£519.99
RF 50mm f1.2L USM	–	15/9	f16	10	0.40m	0.19x	77mm	90x108mm	950g	ES-83	LP1319	10/18	£2349.99
RF 50mm f1.8 STM	–	6/5	f22	7	0.30m	0.25x	43mm	69x40mm	160g	ES-65B	LP1014	12/20	£219.99
RF 85mm f1.2L USM	–	13/9	16	9	0.85m	0.12x	82mm	103x117mm	1195g	ET-89	LP1424	05/19	£2799.99
RF 85mm f1.2L USM DS	–	13/9	f16	9	0.85m	0.12x	82mm	103x117mm	1195g	ET-89	LP1424	12/19	£3249.99
RF 85mm f2 Macro IS STM	5/8	12/11	f29	9	0.35m	0.50x	67mm	77x89mm	395g	ET-77	LP1216	08/20	£649.99
RF 100mm f2.8L Macro IS USM	5/8	17/13	f32	9	0.26m	1.40x	67mm	81x148mm	730g	ET-73C	LP1222	07/21	£1479.99
RF 135mm f1.8L IS USM	5.5/8	17/12	f22	9	0.70m	0.26x	82mm	89x130mm	935g	ET-82II	LP1319	12/22	£2599.99
RF 400mm f2.8L IS USM	5.5/5.5	17/13	f32	9	2.5m	0.17x	52mm[3]	163x367mm	2890g	ET-155	LS400	07/21	£12449.99
RF 600mm f4L IS USM	5.5/5.5	17/13	f32	9	4.2m	0.15x	52mm[3]	168x472mm	3090g	ET-160	LS600	07/21	£15269.99
RF 600mm f11 IS STM	5/5	10/7	f11	–	4.5m	0.14x	82mm	93x269mm[1]	930g	ET-88B	LZ1328	07/20	£749.99
RF 800mm f11 IS STM	4/4	11/8	f11	–	6m	0.14x	95mm	102x352mm[2]	1260g	ET-101	LZ1435	07/20	£979.99
RF 800mm f5.6L IS USM	4.5/4.5	26/18	f64	9	2.6m	0.34x	52mm[3]	183x432mm	3140g	ET-155	LS600	05/22	£19099.99
RF 1200mm f8L IS USM	4.5/4.5	26/18	f64	9	4.3m	0.29x	52mm[3]	168x537mm	3340g	ET-160	LS1200	05/22	£22449.99
RF 14-35mm f4L IS USM	5.5/7	16/12	f22	9	0.2m	0.38x	77mm	84x100mm	540g	EW-83P	LP1219	08/21	£1749.99
RF 15-30mm f4.5-6.3 IS STM	5.5/7	13/11	f22-f32	7	0.28m	0.09/0.16x	67mm	77x88mm	390g	EW-73E	LP1116	07/22	£669.99
RF 15-35mm f2.8L IS USM	5/7	16/12	f22	9	0.28m	0.21x	82mm	88x127mm	840g	EW-88F	LP1222	09/19	£2329.99
RF 24-50 f4.5-6.3 IS STM	4.5	8/8	f22-f32	7	0.3m	0.11/0.19x	58mm	70x58mm	210g	EW-63C	LP1014	04/23	£379.99
RF 24-70mm f2.8L IS USM	5/8	21/15	f22	9	0.21/0.38m	0.30x	82mm	88x126mm	900g	EW-88E	LP1222	09/19	£2329.99
RF 24-105mm f4L IS USM	5/8	18/14	f22	9	0.45m	0.24x	77mm	83x107mm	700g	EW-83N	LP1319	10/18	£1119.99
RF 24-105mm f4-7.1 IS STM	5/8	11/13	f40	7	0.20/0.34m	0.21/0.4x	67mm	77x89mm	395g	EW-73D	LP1116	04/19	£459.99
RF 24-240mm f4-6.3 IS USM	5/6.5	21/15	f22-f38	7	0.50m	0.26x	72mm	80x122mm	750g	EW-78F	LP1219	09/19	£899.99
RF 28-70mm f2L USM	–	19/13	f22	9	0.39m	0.18x	95mm	104x140mm	1430g	EW-103	LP1424	12/18	£3049.99
RF 70-200mm f2.8L IS USM	5/7.5	17/13	f32	9	0.70m	0.23x	77mm	90x146mm	1070g	ET-83F	LP1424	12/19	£2699.99
RF 70-200mm f4L IS USM	5/7.5	16/11	f32	9	0.60m	0.28x	77mm	83x119mm	695g	ET-83G	LP1319	12/20	£1699.99
RF-100-300mm f2.8L IS USM	5.5/6	23/18	f22	9	1.8m	0.06x	112mm	128x323mm	2590g	ET-124	LS100-300	06/23	£11499.99
RF 100-400mm f5.6-8 IS USM	5.5/6	12/9	f32-f45	9	0.88m	0.41x	67mm	79x165mm	635g	ET-74B	LP1224	11/21	£699.99
RF 100-500mm f4.5-7.1L IS USM	5/6	20/14	f32-f54	9	0.9/1.2m	0.33x	77mm	94x208mm	1530g	ET-83F	LZ1328	08/20	£2899.99
RF-S lenses RF-S lenses only fit EOS R-series cameras. EF, EF-S, TS-E and MP-E lenses can be used on EOS R-series cameras via mount adapters.													
RF-S 18-45mm f4.5-6.3 IS STM	4/6.5	7/7	f22-f32	7	0.20/0.35m	0.14/0.16x	49mm	69x44mm	130g	EW-53	LP814	05/22	£319.99
RF-S 18-150mm f3.5-6.3 IS STM	4.5/7	17/13	f22-f40	7	0.17/0.45m	0.20/0.31x	55mm	69x84mm	310g	ET-60F	LP1016	05/22	£519.99
RF-S 55-210mm f5-7.1 IS STM	4.5/7	11/8	f22-f32	7	1.0/0.73m	0.05-0.28x	55mm	69x135mm	270g	ET-60B	LP1016	03/23	£429.99

* IS stops with lens / IS stops with lens and IBIS. [1] retracts to 199mm when not in use. [2] retracts to 282mm when not in use. [3] drop-in filter.
Multiple values for minimum aperture, closest focus and maximum magnification are for maximum wide-angle and telephoto focal length settings.

RF-S lenses

With the RF-S lenses, Canon has provided lightweight and versatile options for the EOS R7, R10, R50 and R100 cameras. Described as 'kit' lenses, these are solid all-rounders for everyday subjects.

The lenses utilise Canon's advanced technology, with one Ultra-low Dispersion (UD) and two aspherical elements (RF-S 18-45mm and RF-S 180-150mm lens) and two UD elements (RF-S 55-210mm lens, right)), plus Super Spectra Coating for optimum optical performance. The Stepper Motor (STM) ensures smooth and quiet autofocus for video.

The RF-S 18-150mm has an extra feature – it's capable of a maximum magnification of 0.59x in MF mode, making it an even more versatile every day photography companion.

Compatibility resolved

One of the problems with the DSLR APS-C line-up is that EF-S lenses are only compatible with APS-C model cameras. Upgrading to a full-frame DSLR means changing EF-S lenses for EF lenses and the associated cost. The lens mount of APS-C DSLR cameras is a hybrid of EF and EF-S with two mount points. This provides compatibility with EF and EF-S lenses. Some photographers with a DSLR APS-C camera only purchase EF lenses so that they have a simple upgrade path if they move to a full-frame DSLR camera.

With the RF-S lenses, Canon has overcome this obstacle. The RF mount can natively accept both RF and RF-S lenses, so all RF-S lenses are compatible with existing full-frame cameras in the EOS R line-up, with cameras compensating for the smaller image circle by automatically switching to crop mode (enabled via firmware updates).

RF-S lenses offer 100% coverage for Dual Pixel CMOS AF on APS-C R-series cameras, and a reduced 80% when used in crop mode on full frame R-series cameras.

EOS mirrorless
Accessories for EOS R-series cameras

The accessories on this page are those which only fit EOS R-series cameras. For accessories which are compatible with both mirrorless and digital single-lens reflex models, such as Speedlites, AC Adapters, Remote Switches, etc, see the Speedlites and accessories sections later in this supplement.

EOS R-series accessories

Mount adapters

Existing EF and EF-S lenses can be used with the EOS R-series cameras with full compatibility and, in some cases, enhanced functionality, when paired with one of three RF mount adapters.

Mount Adapter EF-EOS R

This is a standard adapter (above left) that provides full compatibility with EF/EF-S lenses, with no loss of performance. Autofocus, metadata and optical image stabilisation on EF lenses all continue to work seamlessly with the new EOS R camera through this adapter. (RRP £99.99)

Control Ring Mount Adapter EF-EOS R

This adapter (above centre) provides full EF/EF-S lens compatibility with the addition of a customisable control ring. Functions that can be assigned and adjusted by the control ring include aperture, shutter speed and ISO speed. (RRP £199.99)

Drop-In Filter Mount Adapter EF-EOS R

This adapter (above right) allows variable ND and circular polarising filters to be used with any EF lens. It has the advantage that only one filter (or each type) is needed for all your lenses. (RRP £299.00 with Drop-in Circular Polarizing Filter A; £399.00 with Drop-in Variable ND Filter A; Drop-in Clear Filter A £89.00; Drop-in Circular Polarizing Filter A £179.00; Drop-in Variable ND Filter A £289.00)

RF Extenders

Extender is Canon's name for a teleconverter. These high performance Extenders multiply the effective focal length of the lens to which they are attached by 1.4x or 1.4x. However, they have the disadvantage of reducing the effective aperture of the lens by 1 stop or 2 stops respectively. Extenders are only suitable for selected lenses (see right). They will not fit other RF lenses (the front elements of the Extenders get in the way of the rear elements of the lenses. The Extenders offer resistance to dust and water.

Compatible lenses include:
RF 400mm f2.8L IS USM
RF 600mm f4L IS USM,
RF 600mm f11 IS USM
RF 800mm f11 IS USM
RF 100-400mm f5.6-8 IS USM
RF 100-500mm f4.5-7.1L IS USM
(only compatible within 300mm to 500mm range)

	Construction (elements/groups)	Size(mm)	Weight	Pouch	Introd.	Price
Extender RF 1.4x	7/4	71x20	225g	LP811	09/20	£559.99
Extender RF 2x	9/5	71x39	340g	LP811	09/20	£699.99

Wireless File Transmitter WFT-R10B

The Wireless File Transmitter WFT-R10B is compatible with the EOS R5. It is shaped like a battery grip, fits like a battery grip, has vertical controls like a battery grip, yet specifically enables additional networking functionality. It adds further wireless capabilities over and above what the built-in Wi-Fi offers, provides high-speed Gigabit Ethernet support and enables wireless linked shooting – where you can remotely fire another camera at the same time for shots with different angles. (RRP £1349.99)

Battery Grip BG-R10

The Battery Grip BG-R10 is compatible with the EOS R5 and R6. Two LP-E6NH, LP-E6N or LP-E6 batteries can be used together to extend the shooting time. LP-E6NH and LP-E6N batteries can be charged in the grip by connecting the camera to a PD-compatible USB power source, like the Canon PD-E1 (see below). The grip has a duplicate set of camera controls positioned to replicate the layout of the camera's own buttons and dials. They fall instinctively under the right fingers and thumbs when the camera is held vertically. (RRP £419.99)

Battery Grip BG-E22

Battery Grip BG-E22 for the EOS R and Ra allows two high-capacity lithium-ion LP-E6N batteries to be used for extended shooting. It offers enhanced handling, especially when the camera is used in a vertical position – there is an additional shutter button. Charging can be done using a the PD-E1 USB Power Adapter (below). The grip features a PC terminal for wired connection to studio flash. (RRP £329.00)

Extension Grip EG-E1

Extension Grip EG-E1 for the EOS RP and R8 is not a battery grip. There is no space for a spare battery and no additional shutter button for vertical shooting. Instead, it adds to the depth of the compact EOS RP allowing a solid four-finger grip for photographers with larger hands. You do not need to remove the grip to change the battery. You remove the battery compartment door on the base of the camera before you fit the grip, which is secured by a solid aluminium screw, complete with its own tripod screw. A compartment door in the grip gives access to the battery. (RRP £84.99)

PD-E1 USB Power Adapter

Designed for in-camera charging of the LP-E6N and LP-E6NH batteries of the EOS R, R6 and R5 and the LP-E17 battery of the EOS RP, or theLP-E6N and LP-E6NH batteries in the battery grips BG-E22 and BG-R10. It will also power the EOS R5 and R6 directly from the mains. (RRP £104.99)

EOS VR System

With a compatible full frame RF mount camera and a high-resolution sensor (currently only the EOS R5 with firmware 1.5.0 or later), it is now easier to set up and shoot for stereoscopic 180° Virtual Reality (VR). Attach the RF 5.2mm F2.8L Dual Fisheye lens, choose your camera settings and immerse yourself in a whole new world of virtual content creation.
(RRP £2099.00 for Dual Fisheye lens)

Adapter AD-P1

Connect your Android smartphone to your EOS R3, R7, R8, R10 or R50 camera with this multifunctional hot shoe adapter for integration between camera and apps. Ideal for using with the Canon Mobile File Transfer App, this adapter makes it even easier to send images across from your camera to your Android device (iOS smartphones not supported). The small, lightweight design makes it ideal for taking on shoots wherever you go. (RRP £99.99)

Speedlite Transmitter ST-E10

Canon has launched a new Speedlite Transmitter for flashguns with radio communication. The ST-E10 features the new multi-function shoe, taking advantage of the communication and power benefits. The ST-E10 is much smaller and lighter than transmitters that have come before it – this is all to do with the new EOS R3, R7, R8, R10 and R50 hotshoe. Because it doesn't require its own power source, nor buttons, dials or an LCD screen for programming, the transmitter is an incredibly compact unit. It weighs a mere 48g. Matching the durability of the cameras for which it has been designed the ST-E10 is dust- and water-resistant. It has a maximum range of 30 metres and 15 channels, making it versatile when working in an environment with other photographers using flash.The ST-E10 is compatible with the Speedlites EL-1, 600EX-RT-series and 430EX-III-RT at launch. (RRP £699.99)

Speedlite EL-5

The Speedlite EL-5 incorporates a number of features found on the flagship EL-1 flash (see page 35), while also boasting a number of firsts in its own right. This includes the new multi-function foot to pair with the recently introduced multi-function hotshoe on cameras like the EOS R3, plus a new on-flash button which takes you straight into the camera's flash menu for instant control. You also have – for the first time – three Custom modes for programming and saving preferred flash set-ups, which can also be linked to your camera's Custom shooting modes. Not only is the communication between camera and flash enhanced, but you can also control this flashgun from Canon's Camera Connect app v3. The guide number of 60 matches that of the EL-1, making it a powerful partner in your Speedlite set-up. It's creatively versatile too, with the same flash head movement as the EL-1 and a wide range of power levels, giving you vast control over the direction and intensity of your light. The EL-5 can only work mounted on cameras that feature the multi-function hotshoe – currently that's the EOS R3, R6 Mark II, R7 and R10.

Off-camera shoe cord OC-E4A

The OC-E4A features Canon's multi-function shoe. Measuring 80cm in length – a third longer than the OC-E3 – this cord allows you to use compatible accessories, such as Speedlites, off-camera to achieve correct lighting when shooting vertically – preventing shadows and reducing red eye. Because of the multi-function shoe, the OC-E4A can also draw power from the camera and supply it to attached devices, such as microphones. It has also been designed to enable use with the RF 5.2mm f2.8L DUAL FISHEYE lens. Like the OC-E3, the OC-E4A retains the same level of dust- and water-resistance equivalent to the EOS-1D series. At launch, the OC-E4A is compatible with the EOS R3, R6 Mark II, R7, R8, R10 and R50 cameras, and will work with future EOS models which have the multi-function hotshoe. The OC-E4A is priced at £229.99 / €259.99 and is available from the end of June 2023.

Hotshoe adapter AD-E1

This adapter seems a simple enough premise initially – it improves the weather sealing of certain professional flashguns to take into account the new EOS R3, R7, R8, R10 and R50 hotshoe design. However, it promises much more, enabling connection to a new smartphone holder accessory, the Smartphone Link AD-P1, which in turn will allow for an Android phone to be mounted via the hotshoe. This will enable secure file transmission via the new Mobile File Transmitter (MFT) app to an FTP server, as well as firmware updates for the EOS R3 via the Canon Camera Connect app. (RRP £59.99)

Directional Stereo Microphone DM-E1D

The need for professionals to capture both stills and footage is ever growing and, in response to this, Canon has announced a new back-electret-condenser type stereo microphone, which comes with a wind screen. The DM-E1D shotgun microphone draws power from the EOS R3, R7, R8, R10 or R50 cameras (consumption is 0.11W). Because of this, it weighs only 136g. It uses digital processing for the audio rather than analogue, making it more tolerant to ambient electrical noise (such as from the camera itself) and from other sources of interference, while also reducing post-production work. (RRP £399.99)

EOS R-series discontinued

EOS Ra 2019-2022

- Launch price £2599.99 (body only)

The EOS Ra is a specialist, high-resolution camera for capturing the unique colour of deep space and constellations. It is based on the EOS R, but with a few significant tweaks.

The EOS Ra is ideal for shooting astronomical phenomena such as diffuse nebulae – a favourite among astrophotographers because of its distinct red colour caused by the ionisation of hydrogen. In a standard digital camera, an infrared (IR) filter limits the amount of Há light that passes through to the sensor, reducing the transmission of red signals to prevent unwanted colour artefacts in the final image. The EOS Ra features a new modified filter that offers four times more transparency for Há light than the EOS R, to capture crisp, clear images of red-coloured emission nebulae.

For extended exposure times, the EOS Ra has a built-in bulb timer, where the length of the exposure can be programmed without the need for an external remote controller.

Long exposure noise reduction helps to keep noise to a minimum – this is achieved using dark frame subtraction. The camera takes a second exposure immediately after the initial exposure, but with the shutter closed. It analyses the noise in the second image and then subtracts it from the first.

With 4K movie and 4K time-lapse capabilities, the EOS Ra is the first astro camera on the market with a 4K movie function.

EOS magazine, Jan-Mar 2020, page 26

EOS mirrorless

Cameras, lenses and accessories for EOS M-series cameras

The lenses and accessories on these pages are those which only fit EOS M-series cameras. For accessories which are compatible with both mirrorless and digital single-lens reflex models, such as Speedlites, AC Adapters, Remote Switches, etc, see the Speedlites and Accessories sections later in this supplement.

www.eos-magazine.com

EOS M system (APS-C sensors)

EOS M200 2019-

• £499.99 (body only)

The EOS M200 replaces the M100. Upgrades include the latest DIGIC 8 processor, improved autofocus and the addition of 4K movie. Other features include a 24.1 megapixel sensor, Dual Pixel CMOS AF with low-light sensitivity down to EV -4, and Eye Detection AF which automatically maintains focus on the eyes of a subject. The ISO speed range is from 100 to 25600.

Video includes a 4K time-lapse feature and the ability to take 4K stills from 4K movies. Movies can be recorded in a vertical orientation for showing on social media. The LCD touchscreen flips 180° for self-portraits and recording vlogs. Bluetooth and Wi-Fi allow images and video to be downloaded and shared.

EOS magazine, Jan-Mar 2020, page 24

EOS M50 Mark II 2021-

• £589.99 (body only)

The EOS M50 Mark II is a modest upgrade to the EOS M50. New features include:

• Improved autofocus
• Eye detection AF for stills and video
• Vertical video shooting format
• Touch recording & self-timer activation in movie mode
• Clean HDMI output
• Wireless live streaming capability for YouTube
• Touch and drag AF for on-screen focusing while looking through EVF
• Electronic shutter
• Around 8% more shots/footage from single battery charge.

The camera is available with a black or white finish.

EOS magazine, Apr-Jun 2021, page 13

Accessories

Electronic viewfinders

EVF-DC1 attaches to the hotshoe of the EOS M3, M6 and M6 Mark II. It rotates through 90° so that you can choose your viewing angle. There is a built-in eye sensor, or you can turn it on with the button on the left side. The display is bright and includes shooting data, but the refresh rate is slower than that of the LCD screen on the back of the camera. (RRP £249.00)

EVF-DC2 (above) Introduced with the EOS M6, but also compatible with the EOS M3 and M6 Mark II. It shows movement in real time with up to 120fps refresh rate. It is easy to swap between screen and viewfinder shooting simply by raising the camera to your eye. (RRP £219.99)

EOS M-series lens mount adapter

Mount Adapter EF-EOS M enables you to fit the full range of EF and EF-S lenses to EOS M-series cameras. Small and lightweight, it features a removeable tripod mount – ideal for supporting heavier lenses. (RRP £134.99)

Discontinued EOS M-series cameras

EOS M 2012-2015

• launch price £229.99 (with EF-M 22mm)

This is Canon's first compact system camera (CSC) – small and light, but with interchangeable lenses. The EOS M features a new lens mount. A small range of EF-M lenses are available, but any EF or EF-S lens from the EOS system can be used via an adapter. Autofocusing is provided by the 31-point Hybrid CMOS sensor, which uses both phase difference AF and contrast AF to give sharp images. There is no built-in flash, but the new compact Speedlite 90EX provides not only convenient light, but also a wireless sender function to control multiple remote Speedlites. Full HD video with Video Snapshot Mode. This is not a point-and-shoot camera. It is the EOS 650D without a reflex mirror, built-in flash and eyepiece viewfinder, but with most of the remaining specification intact.

When launched, the camera was criticised for the slow speed of the autofocus system. This was addressed by firmware version 2.0.3, introduced in November 2016. The firmware can be installed by the user (see page 14).

EOS magazine, Oct-Dec 2012, page 28

EOS M2 2013-2015

• not sold in UK

Canon introduced the EOS M2 in Japan, but has no plans to release it in Europe or North America. The EOS M was criticised for its slow autofocus, so the most notable improvement of the EOS M2 is the Hybrid CMOS AF II system, which Canon claims will give 2.3x faster autofocus speeds compared to the previous model. The new model has built-in Wi-Fi and is 8% smaller than its predecessor, although other camera features, such as the 18Mb APS-C sensor and ISO range from 12,800 to 25,600 remain the same. The EOS M2 is available in black or white, either body-only or in kits with lenses.

EOS M3 2015-2017

• £379.99 (body only)

At the heart of the EOS M3 is Canon's first 24.2 megapixel APS-C CMOS sensor and the advanced DIGIC 6 processor giving quality stills and Full HD movies. A new Hybrid CMOS AF III and 49-point AF system provides fast focusing. Framing versatility is provided by the 3-inch LCD touch screen which tilts up 180° and down 45° to help you shoot from all angles. An optional electronic viewfinder is available – the EVF-DC1. Integrated Wi-Fi and NFC (near field communication) allow for remote shooting using the new Camera Connect app and single-touch image transfers to the Canon Connect Station CS100.

EOS magazine, Apr-Jun 2015, page 30

EOS M6 2017-2019

• launch price £729.99 (body only)

In terms of specification the EOS M6 lies between the M3 and M5 and above the M100. It features a 24.2 megapixel CMOS sensor, Dual Pixel CMOS AF and continuous shooting at up to 9fps. An LCD touchscreen and thumb-operated dial offer full control of the camera. Wireless connections are by Wi-Fi, NFC and Bluetooth. An optional EVF-DC2 provides a lightweight external electronic viewfinder. You can switch between the 3-inch LCD screen and the viewfinder by raising the camera to your eye. Available with silver-style finish or all black.

EOS magazine, Apr-Jun 2017, page 22

EOS M6 Mark II 2019-2022

• £869.99 (body only)

• £1119.99 with EF-M 15-45mm and EVF-DC2

The EOS M6 Mark II is the mirrorless twin of the EOS 90D and houses the same 32.5 megapixel sensor, but deploys them for slightly different results. The camera is capable of 14fps continuous shooting and 30fps RAW burst. Both modes work with autofocus tracking, giving a camera that's as quick as it is compact.

The EOS M6 Mark II is a versatile cameras for both stills and videos, capable of 4K resolution video as well as Full HD, HD and 4K Time-lapse. Canon's Dual Pixel CMOS AF system is available in both these video modes and offers a wide area coverage of 88 x 100%, producing smooth, high-performance focus tracking in movies for professional-looking footage.

EOS magazine, Oct-Dec 2019, page 26

EOS M10 2015-2017

• launch price £309.99 (body only)

The EOS M10 is Canon's fourth mirrorless model, but comes in below the EOS M3 as an entry-level model. It has an 18 megapixel sensor offering ISO values from 100 to 12,800. Thanks to Hybrid CMOS AF II and a 49-point AF system, the EOS M10 can focus quickly and accurately and shoot movies with continuous focus. When used with compatible lenses, including the EF-M 15-45mm f3.5-6.3 IS STM, Dynamic IS stabilises camera shake for steady footage when shooting on the move. Continuous shooting is possible for up to 1000 JPEG or 7 RAW images at up to 4.6 frames per second. The camera uses a DIGIC 6 processor. The 3-inch touch screen tilts up to 180°. The EOS M10 is available in white or black. There is also a grey finish (only in North America).

EOS magazine, Jan-Mar 2016, page 18.

EOS M100 2017-2019

• launch price £449.99 (body only)

The EOS M100 is a direct replacement for the EOS M10. It offers a 24.2 megapixel sensor with DIGIC 7 processor. Wireless options are Wi-Fi, NFC and Bluetooth. Images can be transferred to a smartphone for upload to social media sites. There is a flip-up screen and a selfie mode, plus a smooth skin mode that can be applied in five different strengths. The EOS M100 is very small and light, making it ideal for travelling. Available in black, white and grey.

EOS magazine, Oct-Dec 2017, page 26

EOS M5 2016-2022

• £1049.00 (body only)

• £1149.00 with EF-M 15-45mm

• £1399.00 with EF-M 18-150mm

The EOS M5 is the first of the M-series with a built-in electronic viewfinder. This has a high resolution and 120fps refresh rate. When using the viewfinder, the LCD touch screen can be used as a touch pad, letting you use your thumb to change the AF point or zone. Alongside Wi-Fi and NFC, the EOS M5 adds Bluetooth connectivity which creates a constant link between a smartphone and the camera.

The camera is also the first EOS to include Canon's DIGIC 7 processor. The 24.2 megapixel CMOS sensor uses gapless microlenses to maximise the sensor area.

EOS magazine, Oct-Dec 2016, page 30

EOS M50 2018-2022

• £539.99 (body only)

• £649.99 with EF-M 15-45mm

Fitting somewhere between the EOS M100 and the EOS M5 and M6, the EOS M50 has an APS-C size 24.1 megapixel CMOS sensor and is the first EOS camera with the DIGIC 8 processor. The processor powers many of the camera's functions, including 4K movie recording, 4K time-lapse, frame grabs from 4K movies, up to 10fps continous shooting and an ISO expandable to 25600. An electronic viewfinder is incorporated, along with built-in flash. There is a Vari-angle touch screen which supports Touch-and-drag AF. The interface includes, Wi-Fi, Bluetooth, HDMI and Hi-speed USB. It is the first EOS with the .cr3 RAW format

EOS magazine, Apr-Jun 2018, page 20

CAMERA IMAGES ARE NOT TO SCALE

	IS stops	Elements/ groups	Minimum aperture	Aperture blades	Closest focus	Maximum magnification	Filter	Size (d x l)	Weight	Lens hood	Lens pouch	Introd.	Launch price
EF-M lenses EF-M lenses only fit EOS M-series cameras. EF, EF-S, TS-E and MP-E lenses can used on EOS M-series cameras with full autofocus and aperture control via Mount Adapter EF-EOS M (see right)													
EF-M 22mm f2 STM	–	7/6	f22	7	0.15m	0.21x	43mm	61x24mm	105g	EW-43	LP811	10/12	£229.99
EF-M 28mm f3.5 Macro IS STM* includes built-in Macro Lite	3.5	11/10	f22	7	0.093m	1.2x	43mm	61x45mm	130g	ES-22	LP811	05/16	£294.99
EF-M 32mm f1.4 STM	–	14/8	f16	7	0.23m	0.25	43mm	61x56mm	235g	ES-60	LP1014	10/18	£499.99
EF-M 11-22mm f4-5.6 IS STM	3	12/9	f22-32	7	0.15m	0.36x	55mm	61x58mm	220g	EW-60E	LP814	07/13	£379.99
EF-M 15-45mm f3.5-6.3 IS STM	3.5	10/9	f22-40	7	0.25m	0.25x	49mm	61x44mm	130g	EW-53	LP811	11/15	£299.00
EF-M 18-55mm f3.5-5.6 IS STM	4	13/11	f22-38	7	0.25m	0.25x	52mm	61x61mm	210g	EW-54	LP814	10/12	£269.99
EF-M 18-150mm f3.5-6.3 IS STM	4	17/13	f22-38	7	0.25m	0.31x	55mm	61x86mm	300g	EW-60F	LP816	09/16	£429.00
EF-M 55-200mm f4-6.3 IS STM	3.5	17/11	f22-32	7	1 metre	0.21x	52mm	61x86mm	260g	ET-54B	LP816	6/14	£289.99

	Mega pixels	DIGIC	Movie formats	Electronic viewfinder	Live View	Media card	Max. ISO	Expanded ISO	Max. shooting speed	Max. burst JPEG/RAW	Focus points	Metering modes	Metering zones	Max. shutter speed	Fastest x-sync	Flash GN	Remote socket/ switch			Exp. comp. (stops)	Custom Functions	LCD screen size	Vari-angle screen	Touch screen	Built-in Wi-Fi/NFC/ Bluetooth	Built-in GPS	Interval-ometer	Battery	Battery grip	Size (mm)	Body weight	
EOS M-series cameras (APS-C sensor – approx. 22.3 x 14.9mm)																															
EOS M	18.0	5	Full HD/HD/SD	–	✓	SD/SDHC/SDXC[1]	12800	25600	4.3fps	17/6	31	E/P/S/C	315	1/4000s	1/200s	–	–			±3	7/19	3.0in	–	–	– / – / –	–	–	LP-E12	–	109x66x32	298g	**EOS M**
EOS M2	18.0	5	Full HD/HD/SD	–	✓	SD/SDHC/SDXC[1]	12800	25600	4.6fps	17/6	31	E/P/S/C	315	1/4000s	1/200s	–	–			±3	7/19	3.0in	–	✓	✓ / – / –	–	–	LP-E12	–	105x65x32	274g	**EOS M2**
EOS M3	24.2	6	Full HD/HD/SD	optional	✓	SD/SDHC/SDXC[1]	12800	25600	4.2fps	1000/5	49	E/P/S/C	384	1/4000s	1/200s	5	–			±3	6/17	3.0in	✓	✓	✓ / – / –	–	–	LP-E17	–	111x68x44	366g	**EOS M3**
EOS M5	24.2	7	Full HD/HD/SD	built-in	✓	SD/SDHC/SDXC[1]	25600	–	9fps	26 JPEG	49	E/P/S/C	384	1/4000s	1/200s	5	E3			±3	12	3.2in	✓	✓	✓ / ✓ / ✓	–	–	LP-E17	–	116x89x61	427g	**EOS M5**
EOS M6	24.2	7	Full HD/HD/SD	optional	✓	SD/SDHC/SDXC[1]	25600	–	9fps	26/7	49	E/P/S/C	384	1/4000s	1/200s	5	E3			±3	13	3.0in	✓	✓	✓ / ✓/ ✓	–	–	LP-E17	–	112x68x44	390g	**EOS M6**
EOS M6 Mark II	32.5	8	4K/Full HD/HDR	optional	✓	SD/SDHC/SDXC[2]	25600	51200	14fps	54/36	143	E/P/S/C	384	1/4000s[4]	1/200s	4.6	E3/BR-E1			±3	15	3.0in	✓	✓	✓ / – / ✓	–	–	LP-E17	–	120x70x49	390g	**EOS M6 Mark II**
EOS M10	18.0	6	Full HD/HD/SD	–	✓	SD/SDHC/SDXC[1]	12800	25600	4.6fps	1000/7	49	E/P/S/C	384	1/4000s	1/200s	5	–			±3	5/13	3.0in	✓	✓	✓ / – / ✓	–	–	LP-E12	–	108x67x35	301g	**EOS M10**
EOS M50	24.1	8	4K/Full HD/HD	built-in	✓	SD/SDHC/SDXC[1]	25600	51200	10fps	33/10	143	E/P/S/C	384	1/4000s	1/200s	5	BR-E1			±3	9	3.0in	✓	✓	✓ / – / ✓	–	–	LP-E12	–	116x88x59	387g	**EOS M50**
EOS M50 Mark II	24.1	8	4K/Full HD/HD	built-in	✓	SD/SDHC/SDXC[1]	25600	51200	10fps	10/10	3975	E/P/S/C	384	1/4000s	1/200s	5	BR-E1			±3	9	3.0in	✓	✓	✓ / – / ✓	–	–	LP-E12	–	116x88x59	387g	**EOS M50 Mark II**
EOS M100	24.2	7	Full HD/HD/SD	–	✓	SD/SDHC/SDXC[1]	25600	–	6.1fps	89/21	49	E/P/S/C	384	1/4000s	1/200s	5	–			±3	5	3.0in	✓	✓	✓ / ✓ / ✓	–	–	LP-E12	–	108x67x35	302g	**EOS M100**
EOS M200	24.1	8	4K/Full HD/HD	–	✓	SD/SDHC/SDXC[1]	25600	25600	6.1fps	tbc	143	E/P/S/C	384	1/4000s	1/200s	5	BR-E1			±3	6	3.0in	✓	✓	✓ / – / ✓	–	–	LP-E12	–	108x67x35	299g	**EOS M200**

[1] UHS-I cards supported. [2] UHS-I and UHS-II cards supported. [3] UCF = until card is full. [4] up to 1/16000s using the electronic shutter option. [5] dual card slot CFexpress and SD/SDHC/SDXC[2]

Metering modes: Evaluative (E), Partial (P), Spot (S), Centre-weighted average (C). Models in **BLACK** are current; models in **GREY** are discontinued.

EOS digital single-lens reflex cameras

Models to suit every type of photographer

Whether you are a newcomer to digital photography, an enthusiast or a professional photographer, you will find a camera to suit your needs in the EOS range.

www.eos-magazine.com

EOS DSLR cameras for professionals and enthusiasts

EOS-1D X Mark III 2020-

- Launch price £6499.00 (body only)

The EOS-1D X Mark III is a camera for sports and wildlife photography, offering professionals limitless possibilities. It features shooting speeds of 20fps with AF tracking, high image quality, improved ISO performance and extensive communication capabilities. The EOS-1D X Mark III's AF sensor sports 28 times the centre resolution of its predecessor to address professional photographers' need for greater accuracy and focusing on subjects in a wider range of scenarios. The camera offers impressive 5.5K 12-bit RAW video internal recording – the first non-cinema Canon EOS series camera to have such feature – allowing professionals to capture top-quality video as well as stills. It is also the first EOS-1 series with built-in Wi-Fi and Bluetooth. Also new is the DIGIC X processor.

EOS magazine, Apr-Jun 2020, page 22

EOS 5D Mark IV 2016-

- Launch price £3629.00 (body only)

Features a 30.4 megapixel CMOS sensor with wide exposure latitude and 7fps (frames per second) continuous shooting. The camera is the first EOS to première the innovative Dual Pixel RAW file format, allowing you to fine-tune images in post-production by adjusting or correcting the point of sharpness, shifting the foreground bokeh or reducing image ghosting. 4K movie recording provides the ability to extract 8.8MP JPEG images from the videos. Built-in Wi-Fi enables remote operation and secure file transfer via smart devices using the Canon Camera Connect app. GPS geotags each image while, for the first time, IPTC metadata, such as the details of the shoot, can be automatically embedded. An enhanced noise reduction algorithm further improves low light shooting.

EOS magazine, Oct-Dec 2016, page 22

EOS 90D 2019-

- Launch price £1209.99 (body only)

The EOS 90D is equipped with Canon's DIGIC 8 processor, which achieves fast processing speed, responsiveness and the latest in both stills and movie functionality. Ideal for wildlife or sports photography, the camera shoots 10 frames per second (fps) with autofocus tracking and has a maximum burst of 58 JPEGs or 25 RAW files, so that you can capture the action as it happens.

The optical viewfinder provides the necessary responsiveness for shooting wildlife, such as birds in flight, while the Intelligent viewfinder function gives complete visibility of the composition and shooting settings within the display. It's built for being out in the field, with the return of an AF joystick for greater control, as well as the same build quality as the 80D. The EOS 90D has an extended battery life, rated for up to 1300 shots.

A brand new 32.5-megapixel APS-C CMOS sensor achieves greater resolution without compromising on low light performance, with a high ISO of 25600. This works in collaboration with the 220,000-pixel RGB+IR metering sensor with Flicker Detection, to achieve Face detection via the viewfinder – a first for this line – and greater control of overall exposure.

Focus bracketing allows up to 999 continuous shots of a macro subject with automatically adjusted focal positions. Digital Photo Professional software merges these images to create a final image with extended depth-of-field

4K video, 11fps in Live View and a vari-angle LCD touch screen complete the 90D, making it one of the most versatile and appealing models in the DSLR range.

EOS magazine, Oct-Dec 2019, page 22

EOS DSLR cameras for beginners

EOS 6D Mark II 2017-

- Launch price £1999.99 (body only)
- Launch price £2379.99 (with EF 24-105mm f3.5-5.6 IS STM)

With a new full-frame 26.2 megapixel CMOS sensor, DIGIC 7 processor, 45-point AF system and Dual Pixel CMOS AF technology, the EOS 6D Mark II meets the needs of professionals and enthusiasts. High dynamic range provides excellent exposure latitude. Improved ISO up to 40,000, expanding to 102,000, captures details in scenes on the darkest nights. The AF system locks on to subjects even in the lowest light. The EOS 6D Mark II is the first full-frame EOS camera to include built-in 5-axis movie stabilisation. Wi-Fi and Bluetooth provide an always on connection and the built-in GPS keeps track of location. It is the first camera from Canon to have both 4K time-lapse movie mode and an intervalometer.

EOS magazine, Oct-Dec 2017, page 20

EOS 850D 2020-

- Launch price £819.99 (body only)

The EOS 850D replaces both the EOS 800D and 77D. The addition of the DIGIC 8 processor powers a number of new features and improved performance. As well as 4K video at 25p – the first of the XXXD line to benefit from this video quality – the EOS 850D offers 4K time-lapse movies, as well as improved focusing speed and performance. Combined with the same 220,000 pixel metering sensor as in the EOS 90D, this camera promises to deliver quality and reliability. Battery life of the LP-E17 is also improved thanks to the updated processor, delivering 33% extra shots than when in the EOS 800D or 77D. The EOS 850D is also one of the first cameras compatible with Canon's brand new cloud-based platform, **image.canon**, which replaces Irista and Image Gateway,

EOS magazine, Apr-Jun 2020, page 26

EOS 250D 2019-

- Launch price £529.99 (body only)
- Launch price £649.99 with EF-S 18-55mm IS STM

Successor to the EOS 200D, the EOS 250D has a guided user interface, a 24.1 megapixel Dual Pixel CMOS APS-C sensor, 4K movie capability, fast and responsive autofocus, and excellent connectivity to smart devices. In addition, the camera features DIGIC 8, Canon's image processor which powers many of its functions. When images and videos are ready to be shared, the EOS 250D integrates with smart devices via Bluetooth and Wi-Fi using the free Canon Camera Connect app. From here, images and videos can be downloaded to a smart device, reviewed and posted on social media or shared with friends and family. The EOS 250D is available in three finishes: black, white (above) and silver.

EOS magazine, Jul-Sep 2019, page 22

EOS 2000D 2018-

- Launch price £369.99 (body only)
- Launch price £469.99 with EF-S 18-55mm

EOS 4000D 2018-

- Launch price £329.99 (body only)
- Launch price £369.99 with EF-S 18-55mm IS

These two cameras are both entry-level models. The EOS 2000D features a 24.1 megapixel APS-C CMOS sensor, with the EOS 4000D offering an 18 megapixel CMOS sensor. The EOS 4000D is currently the least expensive model in the EOS range. Both cameras use a DIGIC 4+ image processor. They feature basic and creative shooting modes. The rear-mounted LCD is 3-inches on the EOS 2000D and 2.7 inches on the EOS 4000D. Both cameras are Wi-Fi enabled for smartphone connectivity via the Canon Camera Connect app.

EOS magazine, Apr-Jun 2018, page 22

Software for EOS cameras

Digital Photo Professional

Digital Photo Professional (DPP) is a high-performance RAW image processing, viewing and editing software for EOS digital cameras. Using DPP you can easily perform basic and advanced editing and printing of RAW files. A RAW file opens with the camera settings at the time of exposure, but these can be adjusted in the software. Available editing functions include brightness and contrast control, image rotation, white balance adjustment, dynamic-range adjustment, colour adjustment and fine-tuning of tone curve characteristics. Some functions of DPP can also be used to process JPEG images.

DPP has been covered in many issues of **EOS magazine**, including July-September 2018 pages 54 to 57. For other articles see ***www.eos-magazine.com/Magazine/cumulative-index.html***

Download Digital Photo Professional, EOS Utility and Picture Style Editor at ***bit.ly/2JCuF7C*** *(select your camera and click the 'Software' tag).*

Camera Connect

Canon Camera Connect is a smartphone app which can be downloaded free from Google Play (for Android phones) or the Apple App Store (for iPhone and iPad). Once installed and linked up, the app can be used as an alternative to a simple remote trigger – or even replace it entirely.

The Camera Connect app does more than just fire your camera wirelessly, however. You can also use it to adjust a variety of camera settings, download the latest firmware to compatible cameras, view the images and video files that are on your camera, download those files to your smartphone so you can then upload elsewhere and, for selected camera models, now even use your smartphone to record GPS data for the images you shoot.

For more information, including compatible cameras visit ***https://www.canon.co.uk/apps/canon-camera-connect/***

Also see **EOS magazine**, January-March 2021, pages 60 to 63.

Picture Style Editor

Picture Style Editor is a software program that allows you to create your own personalised picture style files to achieve the look you want for your images. These picture styles can then be applied to your images in the RAW processing stage or loaded onto the camera and applied at the time of shooting.

See **EOS magazine** July-September 2019 pages 64 to 69.

EOS Utility

EOS Utility makes it easy to transfer images from your EOS camera to your computer. You can transfer all images at once or select individual images to transfer, it integrates with Digital Photo Professional.

EOS Utility also allows you to remotely operate the camera from your computer using either a USB cable, via Wi-Fi if your camera includes it, or via a separate Wireless File Transmitter (excludes EOS M).

See **EOS magazine** April-June 2017 pages 68 to 72 and (for Wi-Fi connection) January-March 2017 page 67.

EOS Webcam Utility

EOS Webcam Utility Software is free-to-download software that allows you to connect your compatible EOS camera to a Mac or Windows computer, where it will be recognised as a USB webcam. This means you can replace your existing webcam with your EOS camera for high-quality virtual meetings and video conferencing.

In-camera microphones are not supported – you will require an external microphone.

The software Improves image quality for virtual calls compared with a traditional webcam and offers better low-light performance, improved colour and depth-of-field. It can record a high quality version of the stream to the camera's memory card. 42 EOS cameras are supported, including the EOS R5 and R6.

EOS Webcam Utility is compatible with at least 13 video conferencing software programs, including Skype, Zoom, Microsoft Teams, YouTube Live, Discord, OBS, and Facebook Messenger.

Download EOS Webcam Utility at ***bit.ly/3qhfoJR***
For more information visit ***bit.ly/3fTMevq***

For a full video guide for Windows visit ***bit.ly/36pteSc***

Mobile File Transfer

Canon Mobile File Transfer App lets you use a 5G enabled smartphone to create, edit and add IPTC data to images for quicker tagging and cataloguing while out in the field. It is available for Android and Mac iOS phones.

The app allows wired or wireless connection for fast and stable image transfer from camera to app. You can use the phone's cellular or Wi-Fi connection to transmit images to clients the moment they are shot.

View your images in the app and send individually or as a batch via multi-image transfer. After sending, the thumbnails are ticked to show a successful upload.

Crop and send images and use the universally supported star rating to denote preference, plus add voice annotations to your shots for specific information or instructions.

The app is available to download for free from your device. Just visit the App Store or Google play and search for 'Mobile File Transfer'.

For further information visit: ***www.canon.co.uk/apps/mobile-file-transfer/***

EOS digital single-lens reflex cameras
key specifications

	Mega pixels	DIGIC	Movie formats	Live View	Media card	Max. ISO	Expanded ISO	Max. shooting speed	Max. burst	Focus points	Metering modes	Metering zones	Max. shutter speed	Fastest x-sync	Flash GN	Remote socket	Finder coverage	Focusing screens			AF micro-adjust.	Exp. comp. (stops)	Custom Func.	LCD screen size	Vari-angle screen	Touch screen	Built-in Wi-Fi/NFC/ Bluetooth	Built-in GPS	Interval-ometer	Battery	Battery grip	Size (mm)	Body weight	
DIGITAL SINGLE-LENS REFLEX CAMERAS (full-frame sensor – approx. 36 x 24mm)																																		
EOS-1D X	18.1	dual 5+	Full HD/HD/SD	●	CF x2	51200	204800	14fps	180/36	61	E/P/S/C	252	1/8000s	1/250s	–	N3	100%	12			±20 steps	±5	31/99	3.2in	–	–	–/–/–	–	–	LP-E4N	Built-in	158x164x83	1530g	**EOS-1D X**
EOS-1D X Mk II	20.2	dual 6+	4K/Full HD	●	CFast 2.0/CF	51200	409600	16fps	FULL/73	61	E/P/S/MS/C	216	1/8000s	1/250	–	N3	100%	11			±20 steps	±5	34	3.2in	–	●	–/–/–	●	–	LP-E19	Built-in	158x168x83	1340g	**EOS-1D X Mk II**
EOS-1D X Mk III	20.1	X	5.5K/Full HD	●	Dual CFexpress	102400	819200	20fps	1000+	191	E/P/S/MS/C	216	1/8000s	1/250	–	N3	100%	fixed			±20 steps	±5	39	3.2in	–	●	●/–/●	●	–	LP-E19	Built-in	158x168x83	1440g	**EOS-1D X Mk III**
EOS-1Ds	11.1	–	–	–	CF	1250	–	3fps	10	45	E/P/CS/S/MS/C	21	1/8000s	1/250s	–	N3	100%	9			–	±3	21/67	2.0in	–	–	–/–/–	–	–	NP-E3	Built-in	156x158x80	1265g	**EOS-1Ds**
EOS-1Ds Mk II	16.7	II	–	–	CF/SD	1600	3200	4fps	32/11	45	E/P/CS/S/MS/C	21	1/8000s	1/250s	–	N3	100%	9			–	±3	20/65	2.0in	–	–	–/–/–	–	–	NP-E3	Built-in	156x158x80	1214g	**EOS-1Ds Mk II**
EOS-1Ds Mk III	21.1	dual III	–	●	CF/SD	1600	3200	5fps	56/12	45	E/P/CS/S/MS/C	63	1/8000s	1/250s	–	N3	100%	10			±20 steps	±3	57/162	3.0in	–	–	–/–/–	–	–	LP-E4	Built-in	156x160x80	1210g	**EOS-1Ds Mk III**
EOS 6D	20.2	5+	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	25600	102400	4.5fps	1250/17	11	E/P/S/C	63	1/4000s	1/180s	–	N3	97%	3			±20 steps	±5	21	3.0in	–	–	●/–/–	●	–	LP-E6	BG-E13	144x110x71	755g	**EOS 6D**
EOS 6D Mark II	26.2	7	Full HD/HD	●	SD/SDHC/SDXC[2]	40000	102400	6.5fps	150/21	45	E/P/S/C	63	1/4000s	1/180s	–	N3	98%	fixed			±20 steps	±5	28	3.0in	●	●	●/–/●	●	●	LP-E6N	BG-E21	144x110x75	765g	**EOS 6D Mark II**
EOS 5D	12.8	III	–	–	CF	1600	3200	3fps	60/17	15	E/P/CS/S/C	35	1/8000s	1/200s	–	N3	96%	3			–	±2	21/57	2.5in	–	–	–/–/–	–	–	BP-511A	BG-E4	152x113x75	810g	**EOS 5D**
EOS 5D Mk II	21.1	4	Full HD/SD	●	CF	6400	25600	3.9fps	78/13	15	E/P/S/C	35	1/8000s	1/200s	–	N3	98%	3			±20 steps	±2	25/71	3.0in	–	–	–/–/–	–	–	LP-E6	BG-E6	152x113x75	810g	**EOS 5D Mk II**
EOS 5D Mk III	22.3	5+	Full HD/HD/SD	●	CF[1]/SD/SDHC/SDXC	12800	102400	6fps	16270/18	61	E/P/S/C	63	1/8000s	1/200s	–	N3	100%	fixed			±20 steps	±5	13/47	3.2in	–	–	–/–/–	–	–	LP-E6	BG-E11	152x116x76	950g	**EOS 5D Mk III**
EOS 5D Mk IV	30.4	6+	4K/Full HD/HD	●	CF[1]/SD/SDHC/SDXC[2]	12800	102400	7fps	FULL/21	61	E/P/S/C	252	1/8000s	1/200s	–	N3	100%	fixed			±20 steps	±5	17/46	3.2in	–	●	●/●/–	●	●	LP-E6N	BG-E20	151x116x76	890g	**EOS 5D Mk IV**
EOS 5DS	50.6	dual 6	Full HD/HD/SD	●	CF[1]/SD/SDHC/SDXC[2]	6400	12800	5fps	510/14	61	E/P/S/C	252	1/8000s	1/200s	–	N3	100%	fixed			±20 steps	±5	16	3.2in	–	–	–/–/–	–	●	LP-E6	BG-E11	152x116x76	845g	**EOS 5DS**
EOS 5DS R	50.6	dual 6	Full HD/HD/SD	●	CF[1]/SD/SDHC/SDXC[2]	6400	12800	5fps	510/14	61	E/P/S/C	252	1/8000s	1/200s	–	N3	100%	fixed			±20 steps	±5	16	3.2in	–	–	–/–/–	–	●	LP-E6	BG-E11	152x116x76	845g	**EOS 5DS R**
DIGITAL SINGLE-LENS REFLEX CAMERAS (APS-H sensor – approx. 28 x 19mm)																																		
EOS-1D	4.15	–	–	–	CF	1600	3200	8fps	21	45	E/P/CS/S/MS/C	21	1/16000s	1/500s	–	N3	100%	9			–	±3	21/67	2.0in	–	–	–/–/–	–	–	NP-E3	Built-in	156x158x80	1350g	**EOS-1D**
EOS-1D Mk II	8.2	II	–	–	CF/SD	1600	3200	8.5fps	40/20	45	E/P/CS/S/MS/C	21	1/8000s	1/250s	–	N3	100%	9			–	±3	21/67	2.0in	–	–	–/–/–	–	–	NP-E3	Built-in	156x158x80	1220g	**EOS-1D Mk II**
EOS-1D Mk II N	8.2	II	–	–	CF/SD	1600	3200	8.5fps	48/22	45	E/P/CS/S/MS/C	21	1/8000s	1/250s	–	N3	100%	10			–	±3	21/69	2.5in	–	–	–/–/–	–	–	NP-E3	Built-in	156x158x80	1225g	**EOS-1D Mk II N**
EOS-1D Mk III	10.1	dual III	–	●	CF/SD	3200	6400	10fps	110/30	45	E/P/CS/S/MS/C	63	1/8000s	1/300s	–	N3	100%	10			±20 steps	±3	57/162	3.0in	–	–	–/–/–	–	–	LP-E4	Built-in	156x157x80	1155g	**EOS-1D Mk III**
EOS-1D Mk IV	16.1	4	Full HD/HD/SD	●	CF/SD/SDHC	12800	102400	10fps	121/28	45	E/P/CS/S/MS/C	63	1/8000s	1/300s	–	N3	100%	12			±20 steps	±3	62/177	3.0in	–	–	–/–/–	–	–	LP-E4	Built-in	156x157x80	1180g	**EOS-1D Mk IV**
DIGITAL SINGLE-LENS REFLEX CAMERAS (APS-C sensor – approx. 22.5 x 15mm)																																		
EOS 7D	18.0	dual 4	Full HD/HD/SD	●	CF [1]	6400	12800	8fps	130/25	19	E/P/S/C	63	1/8000s	1/250s	12*	N3	100%	fixed			±20 steps	±5	27/70	3.0in	–	–	–/–/–	–	–	LP-E6	BG-E7	148x111x73	820g	**EOS 7D**
EOS 7D Mk II	20.2	dual 6	Full HD/HD/SD	●	CF[1]/SD/SDHC/SDXC[2]	16000	51200	10fps	130/24	65	E/P/S/C	252	1/8000s	1/250s	11*	N3	100%	2			±20 steps	±5	18	3.0in	–	–	–/–/–	●	●	LP-EGN	BG-E16	148x112x78	820g	**EOS 7D Mk II**
EOS 10D	6.3	I	–	–	CF	1600	3200	3fps	9	7	E/P/C	35	1/4000s	1/200s	13	N3	95%	fixed			–	±2	17/61	1.8in	–	–	–/–/–		–	BP-511	BG-ED3	150x107x75	790g	**EOS 10D**
EOS 20D	8.2	II	–	–	CF	1600	3200	5fps	20/6	9	E/P/C	35	1/8000s	1/250s	13	N3	95%	fixed			–	±2	18/50	1.8in	–	–	–/–/–	–	–	BP-511A	BG-E2/N*	144x105x71	690g	**EOS 20D**
EOS 20Da	8.2	II	–	–	CF	1600	3200	5fps	20/6	9	E/P/C	35	1/8000s	1/250s	13	N3	95%	fixed			–	±2	18/50	1.8in	–	–	–/–/–	–	–	BP-511A	BG-E2/N*	144x105x71	685g	**EOS 20Da**
EOS 30D	8.2	II	–	–	CF	1600	3200	5fps	30/11	9	E/P/S/C	35	1/8000s	1/250s	13	N3	95%	fixed			–	±2	19/53	2.5in	–	–	–/–/–	–	–	BP-511A	BG-E2/N*	144x105x73	705g	**EOS 30D**
EOS 40D	10.1	III	–	●	CF	1600	3200	6.5fps	75/17	9	E/P/S/C	35	1/8000s	1/250s	13	N3	95%	3			–	±2	24/62	3.0in	–	–	–/–/–	–	–	BP-511A	BG-E2/N*	145x108x73	740g	**EOS 40D**
EOS 50D	15.1	4	–	●	CF	3200	12800	6.3fps	60/16	9	E/P/S/C	35	1/8000s	1/250s	13	N3	95%	3			±20 steps	±2	25/74	3.0in	–	–	–/–/–	–	–	BP-511A	BG-E2/N*	145x108x73	730g	**EOS 50D**
EOS 60D	18.0	4	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	5.3fps	58/16	9	E/P/S/C	63	1/8000s	1/250s	13*	E3	96%	3			–	±5	20/59	3.0in	●	–	–/–/–	–	–	LP-E6	BG-E9	144x106x79	755g	**EOS 60D**
EOS 60Da	18.0	4	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	5.3fps	58/16	9	E/P/S/C	63	1/8000s	1/250s	13*	E3	96%	3			–	±5	20/59	3.0in	●	–	–/–/–	–	–	LP-E6	BG-E9	144x106x79	755g	**EOS 60Da**
EOS 70D	20.2	5+	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	12800	25600	7fps	65/16	19	E/P/S/C	63	1/8000s	1/250s	12*	E3	98%	fixed			±20 steps	±5	23	3.0in	●	●	●/–/–	–	–	LP-E6	BG-E14	139x104x78	775g	**EOS 70D**
EOS 77D	24.2	7	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	25600	51200	6fps	FULL/27	45	E/P/S/C	63	1/4000s	1/200s	12*	E3	95%	fixed			–	±5	14	3.0in	●	●	●/●/●	–	–	LP-E17	–	131x100x76	540g	**EOS 77D**
EOS 80D	24.2	6	Full HD/HD	●	SD/SDHC/SDXC[2]	16000	25600	7fps	110/25	45	E/P/S/C	63	1/8000s	1/250s	12*	E3	100%	fixed			±20 steps	±5	26	3.0in	●	●	●/●/–	–	●	LP-E6	BG-E14	139x105x79	730g	**EOS 80D**
EOS 90D	32.5	8	4K/Full HD/HDR	●	SD/SDHC/SDXC[2]	25600	51200	10fps	58/25	45	E/P/S/C	216	1/8000s†	1/250s	12*	E3	100%	fixed			±20 steps	±5	29	3.0in	●	●	●/–/●	–	●	LP-E6N	BG-E14	141x105x77	701g	**EOS 90D**
EOS 100D	18.0	5	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	12800	25600	4fps	1140/8	9	E/P/S/C	63	1/4000s	1/200s	9.4	E3	95%	fixed			–	±5	8/24	3.0in	–	●	–/–/–	–	–	LP-E12	–	117x91x69	407g	**EOS 100D**
EOS 200D	24.2	7	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	25600	51200	5fps	FULL/6	9	E/P/S/C	63	1/4000s	1/200s	9.8	E3	95%	fixed			–	±5	11	3.0in	●	●	●/●/●	–	–	LP-E17	–	122x93x80	453g	**EOS 200D**
EOS 250D	24.1	8	4K/Full HD/HD	●	SD/SDHC/SDXC[2]	25600	51200	5fps	FULL/10	9	E/P/S/C	63	1/4000s	1/200s	9.8	E3	95%	fixed			–	±5	11	3.0in	●	●	●/–/●	–	–	LP-E17	–	122x93x70	449g…	**EOS 250D**
EOS 300D	6.3	I	–	–	CF	1600	–	2.5fps	4	7	E/P/C	35	1/4000s	1/200s	13	E3	95%	fixed			–	±2	–	1.8in	–	–	–/–/–	–	–	BP-511	BG-E1	142x99x73	560g	**EOS 300D**
EOS 350D	8.0	II	–	–	CF	1600	–	3fps	14/5	7	E/P/C	35	1/4000s	1/200s	13	E3	95%	fixed			–	±2	9/24	1.8in	–	–	–/–/–	–	–	NB-2LH	BG-E3	126x94x64	485g	**EOS 350D**
EOS 400D	10.1	II	–	–	CF	1600	–	3fps	27/10	9	E/P/C	35	1/4000s	1/200s	13	E3	95%	fixed			–	±2	11/29	2.5in	–	–	–/–/–	–	–	NB-2LH	BG-E3	126x94x65	510g	**EOS 400D**
EOS 450D	12.2	III	–	●	SD	1600	–	3.5fps	53/6	9	E/P/S/C	35	1/4000s	1/200s	13	E3	95%	fixed			–	±2	13/33	3.0in	–	–	–/–/–	–	–	LP-E5	BG-E5	129x97x62	475g	**EOS 450D**
EOS 500D	15.1	4	Full HD/HD/SD	●	SD	3200	12800	3.4fps	170/9	9	E/P/S/C	35	1/4000s	1/200s	13	E3	95%	fixed			–	±2	13/38	3.0in	–	–	–/–/–	–	–	LP-E5	BG-E5	129x97x62	480g	**EOS 500D**
EOS 550D	18.0	4	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	3.7fps	34/6	9	E/P/S/C	63	1/4000s	1/200s	13	E3	95%	fixed			–	±5	12/36	3.0in	–	–	–/–/–	–	–	LP-E8	BG-E8	129x97x62	530g	**EOS 550D**
EOS 600D	18.0	4	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	3.7fps	34/6	9	E/P/S/C	63	1/4000s	1/200s	13	E3	95%	fixed			–	±5	11/34	3.0in	●	–	–/–/–	–	–	LP-E8	BG-E8	133x99x80	570g	**EOS 600D**
EOS 650D	18.0	5	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	12800	25600	5fps	30/6	9	E/P/S/C	63	1/4000s	1/200s	13*	E3	95%	fixed			–	±5	8/34	3.0in	●	●	–/–/–	–	–	LP-E8	BG-E8	133x100x79	575g	**EOS 650D**
EOS 700D	18.0	5	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	12800	25600	5fps	30.6	9	E/P/S/C	63	1/4000s	1/200s	13*	E3	95%	fixed			–	±5	8/24	3.0in	●	●	–/–/–	–	–	LP-E8	BG-E8	133x100x79	580g	**EOS 700D**
EOS 750D	24.2	6	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	12800	25600	5fps	940/8	19	E/P/S/C	63	1/4000s	1/200s	12*	E3	95%	fixed			–	±5	13	3.0in	●	●	●/●/–	–	–	LP-E17	BG-E18	132x101x78	555g	**EOS 750D**
EOS 760D	24.2	6	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	12800	25600	5fps	940/8	19	E/P/S/C	63	1/4000s	1/200s	12*	E3	95%	fixed			–	±5	14	3.0in	●	●	●/●/–	–	–	LP-E17	BG-E18	132x101x78	565g	**EOS 760D**
EOS 800D	24.2	7	Full HD/HD/SD	●	SD/SDHC/SDXC[2]	25600	51200	6fps	FULL/27	45	E/P/S/C	63	1/4000s	1/200s	12*	E3	95%	fixed			–	±5	15	3.0in	●	●	●/●/●	–	–	LP-E17	–	131x100x76	532g	**EOS 800D**
EOS 850D	24.1	8	4K/Full HD/HD	●	SD/SDHC/SDXC[2]	25600	51200	7fps	170/40	45	E/P/S/C	216	1/4000s	1/200s	12*	E3	95%	fixed			–	±5	14	3.0in	●	●	●/–/●	–	–	LP-E17	–	131x103x76	515g	**EOS 850D**
EOS 1000D	10.1	III	–	●	SD	1600	–	3.5fps	514/5	7	E/P/C	35	1/4000s	1/200s	13	E3	95%	fixed			–	±2	12/32	2.5in	–	–	–/–/–	–	–	LP-E5	BG-E5	126x97x62	450g	**EOS 1000D**
EOS 1100D	12.2	4	HD	●	SD/SDHC/SDXC	3200	–	3fps	830/5	9	E/P/C	63	1/4000s	1/200s	9.2	E3	95%	fixed			–	±5	10/32	2.7in	–	–	–/–/–	–	–	LP-E10	–	130x100x78	495g	**EOS 1100D**
EOS 1200D	18.0	4	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	3fps	69/6	9	E/P/C	63	1/4000s	1/200s	9.2	E3	95%	fixed			–	±5	11/33	3.0in	–	–	–/–/–	–	–	LP-E10	–	130x100x78	480g	**EOS 1200D**
EOS 1300D	18.0	4+	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	3fps	1110/6	9	E/P/C	63	1/4000s	1/200s	9.2	E3	95%	fixed			–	±5	11	3.0in	–	–	●/●/–	–	–	LP-E10	–	129x101x78	485g	**EOS 1300D**
EOS 2000D	24.1	4+	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	3fps	150/11	9	E/P/C	63	1/4000s	1/200s	9.2	E3	95%	fixed			–	±5	11	3.0in	–	–	●/●/–	–	–	LP-E10	–	129x101x78	475g	**EOS 2000D**
EOS 4000D	18.0	4+	Full HD/HD/SD	●	SD/SDHC/SDXC	6400	12800	3fps	FULL/6	9	E/P/C	63	1/4000s	1/200s	9.2	–	95%	fixed			–	±5	10	2.7in	–	–	●/–/–	–	–	LP-E10	–	129x102x77	436g	**EOS 4000D**
EOS D30	3.25	–	–	–	CF	1600	–	3fps	8	3	E/P/C	35	1/4000s	1/200s	12	N3	95%	fixed			–	±2	13/34	1.8in	–	–	–/–/–	–	–	BP-511	BG-ED3	149x106x75	780g	**EOS D30**
EOS D60	6.3	–	–	–	CF	1000	–	3fps	8	3	E/P/C	35	1/4000s	1/200s	12	N3	95%	fixed			–	±2	14/38	1.8in	–	–	–/–/–	–	–	BP-511	BG-ED3	149x106x75	780g	**EOS D60**
EOS D2000	2.0	–	–	–	PCMCIA	1600	–	3.5fps	12	5	E/P/FS	12	1/8000s	1/250s	–	N3	93%	8			–	±3	12	1.8in	–	–	–/–/–	–	–	Ni-Cd	Built-in	161x174x92	1650g	**EOS D2000**
EOS DCS 1	6.0	–	–	–	PCMCIA	80	–	0.6fps	2	5	E/P/S/FS/C	16	1/8000s	1/250s	–	T3	100%	fixed			–	±3	10	–	–	–	–/–/–	–	–	Ni-MH	Built-in	162x212x89	1800g	**EOS DCS 1**
EOS DCS 3	1.3	–	–	–	PCMCIA	1600	–	2.7fps	12	5	E/P/S/FS/C	16	1/8000s	1/250s	–	T3	100%	fixed			–	±3	10	–	–	–	–/–/–	–	–	Ni-MH	Built-in	162x212x89	1800g	**EOS DCS 3**

E&OE

Guide to camera listings (previous pages)

The **date** range shows the year of introduction and, if appropriate, the approximate year the camera was discontinued.

Prices are the recommended selling prices (RSP) taken from a recent Canon UK retail price list (including VAT at 20% where applicable). Prices are subject to change without notice. Many dealers sell at below the RSP.

Body only means that the camera is sold without a lens. However, digital cameras will usually be supplied with a strap, body cap, battery, battery charger, interface cables and software CD. EOS digital cameras are sold without a media card.

Camera kits Many cameras are sold as kits, with the camera body plus one or more lenses and/or other accessories. Kits may be changed or discontinued at any time.

Month and page at the end of descriptions refer to back issues of EOS magazine carrying product details at the time of launch.

E&OE While every effort has been made to avoid errors or omissions, you should not make significant purchase decisions based solely on the content of this guide.

Camera images are not to scale.

Guide to camera chart (left)

Max.burst:
the approximate number of Large JPEG/RAW images which can be taken continuously before the buffer is full and the camera stops shooting. FULL indicates that the camera will keep shooting until the media card is full.

Media cards
CF – CompactFlash
CF[1] – UDMA 7 compatible
SD – SecureDigital
SDHC – SecureDigital High Capacity
SDXC – SecureDigital Extended Capacity
SD/SDHC/SDXC[2] – High-speed writing with UHS-1 type SD cards is supported
DCS 1, DCS 3 and D2000 use a PCMCIA-ATA PC card

Metering modes:
E = evaluative
P = partial
CS = centre-spot
S = spot
MS = multi-spot
C = centre-weighted

Shutter speed
† EOS 90D offers maximum shutter speed of 1/16000 second using the elctronic shutter option.

Flash GN:
A flash guide number (GN) is given for cameras with built-in flash.

* indicates that the built-in flash can operate as an optical wireless flash transmitter (see page 20). Also see EOS magazine Jan-Mar 2016, page 52, for an article on built-in wireless flash.

Custom Functions:
functions/settings

Battery grips see page 26

EOS digital single-lens reflex cameras
discontinued models

www.eos-magazine.com

Discontinued EOS digital cameras

EOS-1D 2001-2004
• launch price £3999.99 (body only)
Based on the EOS 1V, this is a professional digital camera with a 4.15 megapixel CCD sensor. The shooting speed is up to 8fps in 21 frame bursts. Features include comprehensive colour temperature control, shutter speeds up to 1/16,000 second with flash synchronisation at 1/500 second, 21 Custom Functions and 25 Personal Functions (changed using supplied driver software).
EOS magazine, December 2001, page 8

EOS-1D Mark II 2004-2005
• launch price £3499.99 (body only)
An update of the EOS 1D delivering approx. 8.5fps at 8.2 megapixels. New technologies include the next-generation DIGIC II processor, a new CMOS sensor, and a larger buffer system. These work together to give 40 frame bursts at 8.5fps in JPEG, or 20 frame bursts in RAW mode. The EOS 1D Mark II is the first model to feature the E-TTL II autoflash system, and the first to add an SD card slot in addition to the standard CF card slot.
EOS magazine, March 2004, page 58

EOS-1D Mark II N 2005-2007
• launch price £3049.99 (body only)
An update of the EOS 1D Mark II. Still featuring 8.2 megapixel performance at 8.5fps, the Mark II N has a higher performance buffer to deliver a 48 frame burst in JPEG and 22 frame burst in RAW. The LCD monitor is increased from 2 to 2.5 inches. Colour matrix and parameter settings are replaced with Picture Style pre-sets – six settings that simplify in-camera control of image optimisation and processing.
EOS magazine, September 2005, page 62

EOS-1D Mark III 2007-2010
• launch price £3049.99 (body only)
At the time of introduction, the world's fastest AF DSLR – approx. 10 frames per second continuous shooting. Powered by a Dual DIGIC III image processor, with 14-bit colour depth. The first EOS camera with a Live View LCD monitor. 10.1 megapixel CMOS sensor, APS-H size (1.3x factor). Shutter durability has been increased to 300,000 cycles. Incorporates EOS Integrated Cleaning System with self-cleaning sensor unit and Dust Delete Data acquisition. Increased shutter durability of approx. 300,000 cycles. This is a camera aimed at news and sports photographers, but able to deliver in most areas of professional work.
EOS magazine, Apr-Jun 2007, page 14

EOS-1D Mark IV 2009-2012
• launch price £4499.99 (body only)
The EOS 1D Mark IV features a 16.1MP APS-H CMOS sensor and a 45-point autofocus (AF) system with 39 f2.8 sensitive cross-type points, providing a wide selection of precise focus areas across the frame. Dual DIGIC 4 processors provide the power to shoot continuous, high-resolution images at up to 10 frames per second (fps), as well as delivering an ISO range from 50 to 102,400. With a high-resolution 920,000 dot 3-inch LCD screen, detailed checks on images and video are possible. The Canon EOS 1D Mark IV features EOS Movie function, providing the ability to capture 1080p High Definition (HD) video at 30, 25 and 24fps and 720p footage at 60 and 50fps. The camera is rugged, with multiple weather-proof seals, making it a sturdy workhorse for professional users.
EOS magazine, Jan-Mar 2010, page 16

EOS-1D X 2012-2016
• launch price £5299.99 (body only)
The EOS-1D X offers a comprehensively-upgraded specification packed with new technologies. A newly-developed full-frame 18.1 megapixel CMOS sensor offers exceptional flexibility, allowing photographers to shoot a wider range of scenes and subjects in high resolution. Redesigned architecture offers an ISO range of 100-51200, expandable up to 204800, while dual 'DIGIC 5+' processors offer a 2-stop improvement in noise performance. The new 61-point wide-area autofocus system offers even greater sensitivity, delivering increased precision and speed. A 100,000 pixel RGB metering sensor is linked to the AF system and powered by its own dedicated DIGIC 4 processor, detecting faces and colour to ensure correct exposure levels and improved AF tracking.
EOS magazine, Oct-Dec 2011, page 20

EOS-1D X Mark II 2016-
• launch price £5199.00 (body only)
Developed using feedback from EOS-1D X photographers, the Mark II camera offers a new 20.2 megapixel full-frame CMOS sensor and new AI Servo AF III+, as well as 4K video capture up to 60p. The camera features an improved 61-point AF system with 41 cross-type AF points. These cover an expanded area and focus under low light to -3EV. For the first time, when shooting with selected Extenders and telephoto lenses, the new AF system offers f8 support with all 61 points, giving the freedom to choose the focus point. Other features include continuous shooting up to 16 frames per second (in Live View), USB 3.0, Ethernet and Wi-Fi, Dual DIGIC 6+ processors and built-in GPS. Also, footage captured in 4K can be used to extract high-resolution 8.8 megapixel stills.

EOS magazine, Apr-Jun 2016, page 18

EOS-1Ds 2002-2004
• launch price £6999.99 (body only)
An 11.1 megapixel CMOS sensor offers a resolution nearly thee times that of the EOS 1D. 3fps shooting in 10 frame bursts with top shutter speed of 1/8000 second. Many of the other features are similar to the EOS 1D.
EOS magazine, December 2002, page 12

EOS-1Ds Mark II 2004-2007
• launch price £5999.99 (body only)
A camera aimed at professional studio and commercial photographers. Featuring a full-frame 36 x 24mm 16.7 megapixel CMOS sensor, this camera has sufficient resolution to produce files which convert to 50MB uncompressed TIFF at 16-bit colour depth. Powered by Canon's second generation DIGIC II image processor.
EOS magazine, December 2004, page 64

EOS-1Ds Mark III 2007-2012
• launch price £5999.99 (body only)
This 21-megapixel camera delivers 14-bit depth images from a 35mm full-frame CMOS sensor. It produces files that convert to an uncompressed 16-bit TIFF of over 100MB, exceeding the standard quality demanded by leading photo agencies. Picture quality is assured by effective noise reduction at high sensitivities. Dual DIGIC III processors drive 5 frames per second continuous shooting for up to 56 Large JPEGs (12 RAW) in a single burst. Shutter durability has been increased to 300,000 cycles. A magnesium alloy casing with dust and moisture resistant seals protects the body. Other features include Live View mode with real-time or remote imaging, Highlight Tone Priority, autofocus system with 19 cross-type sensors and 28 focus assist points, 63-zone exposure metering, EOS Integrated Cleaning System, ISO range from 50 to 3200, and 3-inch LCD. This is a camera which is equally at home in a studio and out on assignment. Compatible with EF lenses only.
EOS magazine, Oct-Dec 2007, page 16

EOS 5D 2005-2008
• launch price £2539.99 (body only)
This 12.8 megapixel camera combines a full-frame CMOS sensor with a lightweight, compact magnesium alloy body. Weighing just 810g, it features 3 frames per second continuous shooting with a 60 frame burst (at Large JPEG quality), and a 0.2 second start up time. The camera has a 2.5 inch LCD monitor.
EOS magazine, September 2005, page 58

EOS 5D Mark II 2008-2012
• launch price £2299.99 (body only)
A replacement for the EOS 5D. 21.1 megapixel full-frame CMOS sensor with high performance DIGIC 4 processor. 3.9 frames per second continuous shooting with up to 310 Lage JPEG (13 RAW) files captured in a single burst with a UDMA CompactFlash card. The first EOS digital SLR with a movie mode – features 16:9 Full HD video capture at 1920 x 1080 pixels as well as 4:3 standard television quality (SD) capture at 640 x 480 pixels. Includes built-in microphone, plus socket for external microphone. 9 AF points plus 6 Assist AF points. Live View includes Quick Mode AF, Live Mode AF and Face Detection Live Mode AF. A Quick Control screen gives instant access to the most commonly changed settings. Improved integrated sensor cleaning system. 150,000-cycle shutter durability. Compatible with EF lenses only.
EOS magazine, Oct-Dec 2008, page 16

EOS 5D Mark III 2012-2016
• launch price £2999.99 (body only)
The EOS 5D Mark III incorporates a number of the features launched with Canon's revolutionary EOS-1D X. A newly-developed 22.3MP full-frame sensor provides increased resolution and finer detail. Higher speed continuous shooting offers expanded creative possibilities. With an increased 8-channel read out, the camera comfortably handles a maximum full resolution speed of up to 6fps in bursts of 18 RAW images or over 16,000 JPEGs. The sensor's advanced architecture offers a huge native ISO range of 100-25,600, expandable to 102,400, making it possible to capture pictures in extreme low-light conditions. The EOS 5D Mark III utilises the same 61-point wide-area AF system as the flagship EOS-1D X. It features an impressive 41 cross-type points and five dual cross-type points.
EOS magazine, Apr-Jun 2012, page 20

EOS 5DS 2015-2022
• Launch price £2999.99 (body only)
EOS 5DS R 2015-2022
• Launch price £3199.99 (body only)
Setting a new benchmark for full-frame cameras, the EOS 5DS and 5DS R combine fast DSLR handling with a newly-developed 50.6 megapixel CMOS sensor. Dual DIGIC 6 processors provide rapid performance and are designed to manage the huge levels of data from the sensor. For added flexibility, there are three in-camera crop shooting modes – 1.3x, 1.6x and 1x. Both cameras feature an advanced 61-point AF system with 41 cross-type points. Focus is maintained with moving subjects, using EOS Intelligent Tracking and Recognition AF (iTR) to track faces and colour. To reduce image blur, Canon's Mirror Vibration Control System uses cams to drive the mirror up and down in a highly-controlled fashion, avoiding sudden stops and softening the shutter-release sound. A new Fine Detail Picture Style maximises the level of detail that can be achieved from the sensor, enabling advanced sharpness adjustment without the need for editing software. Creative modes include Multiple Exposure and HDR, while a built-in interval timer allows you to shoot over long periods and create time-lapse videos in-camera. A new Custom Quick Control screen means that the type, size and position of icons can be adjusted to suit the user or the shooting scenario. Conventional DSLR designs use a low-pass filter in front of the camera's sensor to prevent digital artefacts, such as moiré patterns and false colour. However, such filters soften the image slightly. To prevent this, the EOS 5DS R cancels the low-pass effect to produce the sharpest performance. The EOS 5DS R is suited to landscape and architectural photography while the EOS 5DS excels with portrait and fashion photography.
EOS magazine, Apr-Jun 2015, page 22

EOS 6D 2012-2017
• launch price £1799.99 (body only)
The EOS 6D was the first in a new category of EOS full-frame digital cameras – entry level. In addition to a smaller size and lighter weight, it is also considerably less expensive than the mid-range EOS 5D Mark IV. The EOS 6D features a newly-designed 20.2 megapixel full-frame CMOS sensor. An ISO range of 100 to 25600 (extendable to 50, 51200 and 102400) helps you to take photographs in near darkness. A new 11-point AF system also offers the strongest low-light performance of any Canon AF system to date. Autofocusing operates down to EV -3 – the equivalent of moonlight. The EOS 6D is the first EOS camera to offer integrated wireless connectivity (Wi-Fi) and GPS.
EOS magazine, Oct-Dec 2012, page 22

EOS 60Da 2012-2016
• Launch price £1174.99 (body only)
Based on the specifications of the EOS 60D and succeeding the EOS 20Da, the EOS 60Da is ideal for shooting astronomical phenomena such as diffuse nebulae – a favourite among astrophotographers due to the distinct red colour caused by the ionisation of hydrogen. In a standard DSLR, an infrared (IR) filter limits the amount of Há light that passes through to the camera sensor, reducing the transmission of red signals to prevent unwanted colour artefacts in the final image. However the EOS 60Da features a new modified filter that offers three times more transparency for Há light than the EOS 60D. Available from specialist stockists.
EOS magazine, Apr-Jun 2012, page 25.

EOS 7D 2009-2014
• launch price £1699.99 (body only)
Incorporating an 18MP APS-C CMOS Sensor, the EOS 7D offers Dual DIGIC 4 processors, an ISO range expandable to 12,800 and continuous shooting at 8 frames per second. The camera features a 19-point cross-type AF sensor. This improved AF system offers a range of manual and automatic settings including Zone and Spot AF to track and capture subjects quickly and accurately. Different AF points can be set for vertical or horizontal orientation, so photographers can automatically switch between landscape and portrait shots. A new Focus Colour Luminance metering system (iFCL) intelligently measures focus, colour and luminance, across 63 zones.
EOS magazine, Oct-Dec 2009, page 16

EOS 7D Studio Version 2010-
• Launch price £1625.40 (body only)
This special version of the EOS 7D features four levels of locking the camera settings. An administrator can set the camera for operators, safe in the knowledge that the settings will not be accidentally changed. In addition, there is an optional Canon Barcode Solution which links customer data directly with EXIF data in the image files so that it can be followed throughout the entire workflow process – ideal for school, forensic and medical photographers. For example, when shooting school portraits, the name of the child can be attached to the image file. Wired and wireless configura-tions are possible. Available from specialist stockists.

EOS 7D Mark II 2014-2022
• Launch price £1599.99 (body only)
Completely rebuilt and redesigned, the EOS 7D Mark II delivers all the performance of its predecessor – and much more. The camera can capture 10 frames per second without any drop in resolution. Together with a new 65-point cross-type autofocus system and Dual DIGIC 6 processors, the EOS 7D Mark II sets a new benchmark for speed and power. The camera boasts a 20.2 megapixel APS-C CMOS sensor with a native ISO 100-16,000 range, expandable to ISO 51,200. An advanced high-resolution 150k pixel RGB+IR metering sensor ensures correctly exposed images. Other features include Dual Pixel CMOS AF technology, uncompressed HDMI output and a new shutter and mirror drive mechanism with 200,000-cycle durability.
EOS magazine, Oct-Dec 2014, page 22

EOS 10D 2003-2004
• launch price £1499.99 (body only)
6.3 megapixel CMOS sensor. A replacement for the EOS D60 with many similar features, but better performance and improved shooting features. The first digital EOS to allow direct printing from the camera (no computer needed).
EOS magazine, March 2003, page 62

EOS 20D 2004-2006
• launch price £1269.99 (body only)
With a second-generation APS-C size 8.2 megapixel CMOS sensor, 5fps shooting speed (with 22 shot burst), 9-point AF and the distance-linked E-TTL II autoflash system, Canon claims that the EOS 20D is the first semi-professional digital camera to deliver the performance, speed and flexibility of a high-end 35mm SLR film camera. Other advances over the EOS 10D include a monochrome shooting mode, top shutter speed of 1/8000 second and USB 2.0 High-speed output.
EOS magazine, September 2004, page 58

EOS 20Da 2005-2006
• launch price £1829.99 (body only)
Based on the 20D, this model is designed for astrophotography. It features a live preview on the LCD monitor and a modified low-pass filter optimised for photographing the night sky in brilliant detail. Limited production. This camera has been replaced by the EOS 60Da, based on the EOS 60D.
EOS magazine, September 2005, page 63

EOS 30D 2006-2007
• launch price £1099.99 (body only)
A direct replacement for the EOS 20D. 8.2 megapixel APS-C size CMOS sensor (1.6x factor). Features include 5fps continuous shooting, spot metering, DIGIC II processor, Picture Style parameters, simultaneous RAW and JPEG recording and 100,000 cycle shutter durability. Compatible with EF and EF-S lenses.
EOS magazine, April-June 2006, page 12

EOS 40D 2007-2009
• launch price £899.99 (body only)
A replacement for the EOS 30D. 10.1 megapixel APS-C size CMOS sensor. DIGIC III processor with 4-channel reading and 14-bit A/D conversion. Live View mode with a live histogram that simulates image exposure. 6.5 frames per second continuous shooting, with the image buffer handling up to 75 Large JPEG (17 RAW) files without a pause. Features include EOS Integrated Cleaning System, spot metering, DIGIC III processor, Picture Style parameters, interchangeable focusing screens, Highlight Tone Priority and 9-point cross-type AF points. Compatible with EF and EF-S lenses.
EOS magazine, Oct-Dec 2007, page 14

EOS 50D 2008-2010
• launch price £1199.99 (body only)
The 15.1 megapixel CMOS APS-C size sensor uses gapless microlenses over the pixels to reduce noise and expand sensitivity up to ISO 12800. The faster speed of the DIGIC 4 image processor contributes to the 6.3 frames per second continuous shooting capability with bursts of 90 Large JPEG or 16 RAW images on a UDMA CF card. Live View includes Quick Mode AF, Live Mode AF and Face Detection Live Mode AF. Compatible with EF and EF-S lenses.
EOS magazine, Oct-Dec 2008, page 12

EOS 60D 2010-2015
• launch price £1099.99 (body only)
The EOS 60D brings technologies developed for the EOS 7D and 550D into a redesigned mid-range camera body. With an integrated Speedlite transmitter, Movie mode and in-camera RAW processing with four creative filters, the 60D is both a step up for enthusiast photographers and a serious creative tool. It is the first EOS model with a Vari-Angle LCD screen (fold out and turn to a convenient viewing angle). Other features include an 18 megapixel sensor and iCFL metering, mode lock dial and electronic level.
EOS magazine, Oct-Dec 2010, page 20

EOS 70D 2013-2016
• launch price £1079.99 (body only)
The EOS 70D features a 20.2 megapixel APS-C CMOS sensor with ground-breaking Dual Pixel CMOS AF technology. This delivers smooth and accurate autofocus (AF) when shooting Full HD movies and fast AF acquisition when shooting in Live View mode. Paired with the 14-bit DIGIC 5+ processor the camera captures full-resolution images at up to 7fps, with up to 65 JPEG or 16 raw images in a single burst. An advanced customisable AF system for stills photography includes 19 cross-type AF points spread across the frame, ideal for tracking fast-moving sports and wildlife subjects. The EOS 70D is the second EOS model, after the EOS 6D, to feature integrated Wi-Fi.
EOS magazine, Jul-Sep 2013, page 20

EOS 77D 2017-2020
• £829.99 (body only)
• £919.99 with EF-S 18-55mm f4-5.6 IS STM
• £1199.99 with EF-S 18-135mm f3.5-5.6 IS USM
The EOS 77D appears to be a replacement for the EOS 760D and fits below the EOS 80D in terms of features. The camera shares many of the features of the EOS 800D, including a 24.2 megapixel APS-C CMOS sensor and DIGIC 7 processor, with high-end performance and full control using dual-control wheels to adjust settings, such as shutter speed and aperture. Both cameras offer the world's fastest autofocus using Live View mode (Canon research at February 2017). In addition to Wi-Fi and NFC, Bluetooth lets you turn on and browse photos on a smart device without having to take the camera out of a bag, or operate it remotely using a smart device or the Canon Remote Controller BR-E1.
EOS magazine, Apr-Jun 2017, page 20

EOS 80D 2016-2019
• launch price £999.99 (body only)
The EOS 80D combines leading imaging technologies, such as the new 24.2 megapixel CMOS sensor and DIGIC 6 processor, 45-point all cross type AF system and 7fps shooting. The AF points are individually selectable or can be grouped into areas. With certain lens and Extender combinations 27 f8 compatible AF points are available. The RGB+IR metering sensor measures both visible light and invisible infrared radiation to increase exposure accuracy. A new White Priority setting helps to reduce the appearance of warmer tones. The Intelligent Viewfinder displays 100% of the frame as well as the current settings. You can also quickly switch to the 3-inch vari-angle Clear View LCD touch screen to access functions, use Live View or shoot movies.
EOS magazine, Apr-Jun 2016, page 22

EOS 100D 2013-2017
• launch price £629.99 (body only)
The EOS 100D is the smallest and lightest digital single-lens reflex camera (as at April 2013). The camera has been designed from the ground up, with parts being made smaller and lighter where possible, yet it still has an 18 megapixel APS-C sensor and a 3-inch LCD touch screen. The EOS 100D features a Hybrid CMOS AF II Sensor that uses a combination of phase detection pixels located on the sensor, along with contrast AF to acquire swift and accurate focus. Compared to Hybrid CMOS AF, the AF II version has phase detection pixels over approx. 80% of the sensor, compared to only 15% on the EOS 650D, giving fast focus for both stills and Full HD movies. There are three new Scene Modes: kids, food and candlelight. Also available in white with matching white EF-S 18-55mm f3.5-5.6 STM lens.
EOS magazine, Apr-Jun 2013, page 18

EOS 200D 2017-2019
• launch price £579.99 (body only)
The lightest Canon digital single-lens reflex (DSLR) with a vari-angle screen, the EOS 200D features the world's fastest Dual Pixel CMOS autofocus. It also offers

Discontinued EOS digital cameras (continued)

Canon's latest processor, DIGIC 7. Guided UI is a visual tutorial, viewed on the back of the camera, which explains the effects that changing the settings will have on your photographs. It can be turned off when you no longer need it. The first Canon DSLR to feature a selfie mode, the EOS 200D features skin smoothing and background blurring. Compatible with smartphones with built-in Wi-Fi and Bluetooth. Available in black, white and silver/tan.
EOS magazine, Oct-Dec 2017, page 24

EOS 300D 2003-2005
- launch price £899.99 (body only)

6.3 megapixel CMOS sensor. Many similar features to the EOS 10D, but with less user selection. Introduces a new lens mount – EF-S. This accepts all the EF lenses from the EOS system, but also the new EF-S range (these lenses will not fit cameras which do not have the new mount).
EOS magazine, September 2003, page 58

EOS 350D 2005-2006
- launch price £749.99 (body only)

A replacement for the EOS 300D, increasing the sensor to 8 megapixels. The 350D offers more user control than the 300D, is smaller, and – most importantly for some photographers – is black. Many of the features, such as the DIGIC II processor and user-selectable AF modes, come from the 20D, rather than the 300D.
EOS magazine, March 2005, page 58

EOS 400D 2006-2008
- launch price £649.99 (body only)

The first EOS digital camera with a self-cleaning sensor unit and Dust Delete Data detection. 10.1 megapixel CMOS APS-C sensor (1.6x factor). Features include 2.5 inch LCD screen, 3 fps continuous shooting, 9-point autofocus sytem, DIGIC II processor, Picture Styles, additional Custom Functions. Compatible with EF and EF-S lenses.
EOS magazine, Oct-Dec 2006, page 12

EOS 450D 2008-2010
- launch price £599.99 (body only)

The 12.2 megapixel EOS 450D offers a DIGIC III image processor and redesigned menu system that enables features like direct control of Speedlite flash units from the camera. Features include 3.5 frames per second continuous shooting, 9-point wide-area AF with f2.8 cross-type centre point, EOS Integrated Cleaning System, 3-inch LCD with Live View mode, 14-bit image processing and spot metering. It's the first EOS digital camera which doesn't accept CompactFlash media cards – it has an SD card slot.
EOS magazine, Apr-Jun 2008, page 14

EOS 500D 2009-2011
- launch price £869.99 (body only)

Canon's second EOS model to feature a movie mode (the EOS 5D Mark II was the first). It offers Full High Definition (HD) video capability in a compact and lightweight DSLR. Lower shooting resolutions of 720P and VGA are also available. The camera features a 15.1 megapixel APS-C CMOS sensor with ISO sensitivity up to 3200 (expandable to 12800). A DIGIC 4 processor helps with noise reduction. Live View mode includes contrast-based and Face Detection AF options. A continuous shooting speed of up to 3.4 frames per second is possible in bursts of up to 170 JPEGs. Other features include a wide-area AF system with nine sensors and a 3-inch LCD.
EOS magazine, Apr-Jun 2009, page 16

EOS 550D 2010-2012
- launch price £799.99 (body only)

Canon's DIGIC 4 image processor and 18MP sensor support standard ISO settings of 100 to 6400 (expandable to 12800), while enhanced in-camera noise reduction technology boosts performance in low light conditions. The camera features a 9-point AF system with one extra-sensitive cross–type point at the centre for f/2.8 or faster lenses. The EOS 550D supports high-speed, continuous shooting at 3.7 frames per second. It records video in full 1920x1080p HD resolution, allowing photographers to select the frame rate preferred from 30, 25 and 24fps, as well as offering 720p video at 60 and 50fps. Compatible with EF and EF-S lenses.
EOS magazine, Apr-Jun 2010, page 14

EOS 600D 2011-2015
- launch price £679.99 (body only)

The EOS 600D features an 18 megapixel APS-C CMOS sensor, fast DIGIC 4 image processor and Full HD video capture – allowing you to switch seamlessly between high-quality still images and video. Scenes can be shot from any angle with a 7.7cm Vari-angle Clear View LCD screen. The camera also includes a new Feature Guide that offers an in-camera refresher to shooting modes and main settings. A new Scene Intelligent Auto mode offers point-and-shoot simplicity, analysing each scene and adjusting settings to take the best possible image. New Picture Style Auto mode processes the image based on the scene. Compatible with EF and EF-S lenses.
EOS magazine, Apr-Jun 2011, page 20

EOS 650D 2012-2013
- launch price £699.99 (body only)

The EOS 650D is the first EOS with touch screen technology. This supports natural, gesture-based control during shooting and playback, providing support for multi-touch actions including pinching, swiping and dragging. It is also the first EOS to feature a dual AF system, giving continuous autofocus tracking when shooting movies. At the camera's heart is an 18-megapixel Hybrid CMOS sensor and powerful DIGIC 5 processor enabling the capture of full resolution images at 5 frames a second. A 3-inch vari-angle screen allows you to view the LCD screen from awkward angles and can be closed to protect the screen when the camera is not in use. The built-in flash can act as a transmitter for the Speedlite wireless system, controlling up to two flash groups. Location data can be added to image EXIF data using the Canon GPS Receiver GP-E2 Compatible with EF and EF-S lenses.
EOS magazine, Jul-Sep 2012, page 24

EOS 700D 2013-2015
- launch price £629.99 (body only)

Barely nine months after it was introduced, the EOS 650D is replaced by the EOS 700D. The two cameras have similar specifications – features from the EOS 650D include a Vari-angle Clear View II touch screen, the 18 megapixel APS-C Hybrid CMOS II sensor andf the DIGIC 5 image processor. The AF system of the EOS 700D consists of nine high-performance cross-type points spread across the frame, delivering improved focusing speed and accuracy. The shooting dial offers 360° rotation – you can turn in either direction to reach the mode setting you require. The SCN dial setting gives LCD screen access to additiona modes – Night Portrait, Handheld Night Scene and HDR Backlight Control – without overcrowding the dial with icons.
EOS magazine, Apr-Jun 2013, page 20

EOS 750D 2015-
- launch price £599.99 (body only)

24.2 megapixel APS-C CMOS sensor and DIGIC 6 image processor. ISO range from 100 to 12,800. Flicker Detection provides consistently exposed images under fluorescent light. 19 cross-type AF points. 5fps continuous shooting mode. Vari-angle LCD provides easy handling. Movies can be shot in Full HD and in MP4 format for online sharing. Advanced Hybrid CMOS AF III provides the ability to track or swap focus. Built-in Wi-Fi enables images to be posted on social networks. NFC makes it fast and simple to transfer images and movies to a compatible smart device, such as the Canon Connect Station CS100.
EOS magazine, Apr-Jun 2015, page 26

EOS 760D 2015-2017
- launch price £649.99 (body only)

The EOS 760D uses a 24.2 megapixel APS-C CMOS sensor and DIGIC 6 image processor. The ISO 100-12,800 range delivers detailed results from dawn to dusk and with ambient light indoors. Flicker Detection technology, first seen in the EOS 7D Mark II, provides consistently exposed images under fluorescent light. 19 cross-type AF points ensure focus precision. Action can be captured with 5 frames per second continuous shooting. A vari-angle LCD provides easy-handling in all situations. The camera offers controls more usually found in Canon's enthusiast EOS models, including a rear Quick Control Dial, top LCD panel and Intelligent Viewfinder for quick access and review of both settings and images. Movies can be shot in Full HD resolution and in MP4 format for easy online sharing. Advanced Hybrid CMOS AF III provides the ability to track or swap focus, while compatibility with STM lenses provides silent, smooth focusing for accuracy and speed. The EOS 760D includes creative features, such as HDR movie mode to bring out detail in both the shadow and the highlight areas. Built-in Wi-Fi enables images to be posted on social networks and stored on cloud services. NFC (near field communication) makes it fast and simple to transfer images and movies to a compatible smart device, such as the Canon Connect Station CS-100.
EOS magazine, Apr-Jun 2015, page 26

EOS 800D 2017-2020
- launch price £779.99 (body only)

The same 24.2 megapixel APS-C CMOS sensor technology found in the EOS 80D and a DIGIC 7 processor. ISO values up to 25,600, extendable to 51,200. 45 cross-type AF points for fast focusing and 7560-pixel RGB+IR metering to detect fine details. Capture videos in Full HD 60p and HDR Movie Shooting – Dual Pixel CMOS AF tracks subjects as they move. The 5-axis digital image stabiliser irons out camera movements when shooting hand-held movies. Wi-Fi and NFC let you share images and movies to smart devices. Bluetooth compatible. A guided interface teaches how camera settings work as you shoot, helping to improve your photographic skills.
EOS magazine, Apr-Jun 2017, page 22

EOS 1000D 2008- 2011
- launch price £499.99 (body only)

10.1 megapixel sensor with continuous shooting at up to 3 frames per second. Uses SD and SDHC media cards. Continuous shooting is possible until the media card is full when shooting JPEG files. DIGIC III processor offers rapid operation and almost instant start-up times. 7-point wide-area AF system. 2.5 inch LCD. Live view with two AF modes – Quick AF, which momentarily flips the camera's mirror to engage the AF sensor, and Live AF, which uses contrast information for compact camera-style focusing. Other features include: EOS Integrated Cleaning System, customisable Picture Style image processing parameters. This camera is the lightest EOS digital camera so far.
EOS magazine, Jul-Sep 2008, page 12

EOS 1100D 2011-2014
- launch price £419.99 (body only)

The EOS 1100D is the ideal beginner's EOS, combining a high-performance specification with exceptional ease-of-use. The camera features a 12.2 Megapixel APS-C CMOS sensor and includes the same iFCL Metering system developed for the EOS 7D, linked to a 9-point AF system. Making it even easier for EOS 1100D users to capture truly artistic shots, Basic+ and Creative Auto modes use plain language to describe settings and their effect on an image. Users can also apply different atmospheres to a scene based on the creative intent or lighting type or, alternatively, make images lighter, darker or blur the background to create more interesting results. The EOS 1100D also offers 720p HD video capture. Compatible with EF and EF-S lenses.
EOS magazine, Apr-Jun 2011, page 20

EOS 1200D 2014-2016
- launch price £349.99 (body only)

The EOS 1200D is an entry-level camera, but offers an impressive specification for the cost. The camera features an 18 megapixel APS-C CMOS sensor and Canon's DIGIC 4 processor. A 9-point AF system features points spread across the frame. Continuous shooting fires at up to 3 frames per second. For easy shooting, Scene Intelligent Auto mode selects the most appropriate combination of camera settings. ISO values are from 100 to 6400, expandable to 12800. The EOS 1200D also shoots Full HD video (1080). Video Snapshot mode allows you to record a series of short video clips and automatically joins them together in the camera. The camera is compact and lightweight. It has a bright optical viewfinder, plus a 3 inch LCD. There is a built-in feature guide and a companion smartphone app.
EOS magazine, Apr-Jun 2014, page 20

EOS 1300D 2016-
- launch price £289.99 (body only)

The camera has an 18 megapixel CMOS sensor and DIGIC 4+ processor. Full HD movie shooting is available – Video Snapshot mode records a series of short clips which are automatically joined together in a video sequence. Some smartphone users like to photograph a meal before consuming it, posting their bites as bytes on Facebook or similar platforms. The EOS 1300D has a food mode – located on the Mode Dial – to cater for this. The mode enhances the colour and brightness of the food images, while at the same time making the images ready to share using Wi-Fi or Dynamic NFC.
EOS magazine, Apr-Jun 2016, page 26

EOS D30 2000-2002
- launch price £2199.99 (body only)

3.25 megapixel CMOS sensor. Continuous shooting capability of up to 8 frames at approx. 3fps. Operates from BP-511 lithium-ion battery or from AC power supply via DC Coupler DR-400 and Compact Power Adapter CA-PS400. Single slot for CompactFlash cards Type I or II; also accepts IBM Microdrive. Comprehensive software bundle supports Macintosh and PC.
EOS magazine, June 2000, page 6

EOS D60 2002-2003
- launch price £2199.99 (body only)

An update of the EOS D30 with a 6.3 megapixel CMOS sensor. Shooting speed of 3fps in 8 frame bursts. AF performance in low light conditions has been improved, and there are enhanced metering algorithms. The shutter release time lag has been reduced.
EOS magazine, March 2002, page 8

Canon/Kodak models

The following cameras were produced jointly by Canon and Kodak. Much of the digital technology came from Kodak, with the camera hardware being provided by Canon. The DCS (digital camera system) series was marketed jointly, with both the Canon and Kodak logos on each camera body. From the year 2000 onwards, Canon has been in total control of their digital cameras, providing both the hardware and the digital systems.

EOS DCS series 1995-1998

The DCS 1, 3 and 5 series used a Kodak digital film back on the EOS 1N body. The DCS 1 has a 6 megapixel CCD sensor; the DCS 3 a 1.3 megapixel CCD sensor ; the DCS 5 a 1.5 megapixel CCD sensor. Each model came in three versions, for colour, monochrome and infrared monochrome. The cameras use PCMCIA media cards. A built-in microphone records .WAV files. The DCS 1 and 3 models were sold by Kodak and Canon. The DCS 5 appears to have been sold only by Kodak and only in the USA, possibly because it was well-suited to baseball photography.

EOS D6000 1998-2000

Successor to the EOS DCS 1, again with 6 megapixel CCD sensor, but with improved digital integration and higher speed data transfer. Sold in Europe and the USA as the Kodak DCS 560.

EOS D2000 1998-2001
- launch price £11748.83 (camera kit)

2 megapixel CCD. Based on the EOS 1N; compatible with EF lenses and most EOS accessories. 1.8 inch colour LCD monitor. Continuous shooting capability of up to 12 frames at 3.5fps. Sold by Kodak as the DCS 520.
EOS magazine, March 1998, page 5 (brief item)

ALWAYS A GOOD READ...
have you read your camera's instruction manual?

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EOS DSLR and mirrorless camera data

EOS camera names worldwide

Europe	North America	Japan
EOS-1D	EOS-1D	EOS-1D
EOS-1D Mark II	EOS-1D Mark II	EOS-1D Mark II
EOS-1D Mark II N	EOS-1D Mark II N	EOS-1D Mark II N
EOS-1D Mark III	EOS-1D Mark III	EOS-1D Mark III
EOS-1D Mark IV	EOS-1D Mark IV	EOS-1D Mark IV
EOS-1D X	EOS-1D X	EOS-1D X
EOS-1D X Mark II	EOS-1D X Mark II	EOS-1D X Mark II
EOS-1D X Mark III	**EOS-1D X Mark III**	**EOS-1D X Mark III**
EOS-1Ds	EOS-1Ds	EOS-1Ds
EOS-1Ds Mark II	EOS-1Ds Mark II	EOS-1Ds Mark II
EOS-1Ds Mark III	EOS-1Ds Mark III	EOS-1Ds Mark III
EOS 5D	EOS 5D	EOS 5D
EOS 5D Mark II	EOS 5D Mark II	EOS 5D Mark II
EOS 5D Mark III	EOS 5D Mark III	EOS 5D Mark III
EOS 5D Mark IV	**EOS 5D Mark IV**	**EOS 5D Mark IV**
EOS 5DS	EOS 5DS	EOS 5DS
EOS 5DS R	EOS 5DS R	EOS 5DS R
EOS 6D	EOS 6D	EOS 6D
EOS 6D Mark II	**EOS 6D Mark II**	**EOS 6D Mark II**
EOS 7D	EOS 7D	EOS 7D
EOS 7D Mark II	EOS 7D Mark II	EOS 7D Mark II
EOS 10D	EOS 10D	EOS 10D
EOS 20D	EOS 20D	EOS 20D
EOS 20Da	EOS 20Da	EOS 20Da
EOS 30D	EOS 30D	EOS 30D
EOS 40D	EOS 40D	EOS 40D
EOS 50D	EOS 50D	EOS 50D
EOS 60D	EOS 60D	EOS 60D
EOS 60Da	EOS 60Da	EOS 60Da
EOS 70D	EOS 70D	EOS 70D
EOS 77D	EOS 77D	EOS 9000D
EOS 80D	EOS 80D	EOS 80D
EOS 90D	**EOS 90D**	**EOS 90D**
EOS 100D	EOS Rebel SL1	EOS KISS X7
EOS 200D	EOS Rebel SL2	EOS KISS X8
EOS 250D	**EOS Rebel SL3**	**EOS KISS X10**
EOS 300D	EOS Rebel	EOS KISS Digital
EOS 350D	EOS Rebel XT	EOS KISS Digital N
EOS 400D	EOS Rebel XTi	EOS KISS Digital X
EOS 450D	EOS Rebel XSi	EOS KISS X2
EOS 500D	EOS Rebel T1i	EOS KISS X3
EOS 550D	EOS Rebel T2i	EOS KISS X4
EOS 600D	EOS Rebel T3i	EOS KISS X5
EOS 650D	EOS Rebel T4i	EOS KISS X6i
EOS 700D	EOS Rebel T5i	EOS KISS X7i
EOS 750D	EOS Rebel T6i	EOS KISS X8i
EOS 760D	**EOS Rebel T6s**	**EOS 8000D**
EOS 800D	EOS Rebel T7i	EOS KISS X9i
EOS 850D	**EOS Rebel T8i**	**EOS KISS X10i**
EOS 1000D	EOS Rebel XS	EOS KISS F
EOS 1100D	EOS Rebel T3	EOS KISS X50
EOS 1200D	EOS Rebel T5	EOS KISS X70
EOS 1300D	EOS Rebel T6	EOS KISS X80
EOS 2000D *	**EOS Rebel T7**	**EOS KISS X90**
EOS 4000D *	**EOS Rebel T100**	not available
EOS D30	EOS D30	EOS D30
EOS D60	EOS D60	EOS D60
EOS D2000	EOS D2000	EOS D2000
not sold	not sold	EOS D6000
EOS DCS 1	EOS DCS 1	EOS DCS 1
EOS DCS 3	EOS DCS 3	EOS DCS 3
EOS M	EOS M	EOS M
not available	not available	EOS M2
EOS M3	EOS M3	EOS M3
EOS M5	EOS M5	EOS M5
EOS M6	EOS M6	EOS M6
EOS M6 Mark II	**EOS M6 Mark II**	**EOS M6 Mark II**
EOS M10	EOS M10	EOS M10
EOS M50	**EOS M50**	**EOS M50**
EOS M50 Mark II	**EOS M50 Mark II**	**EOS M50 Mark II**
EOS M100	EOS M100	EOS M100
EOS M200	**EOS M200**	**EOS M200**
EOS R	**EOS R**	**EOS R**
EOS Ra	EOS Ra	EOS Ra
EOS RP	**EOS RP**	**EOS RP**
EOS R3	**EOS R3**	**EOS R3**
EOS R5	**EOS R5**	**EOS R5**
EOS R5 C	**EOS R5 C**	**EOS R5 C**
EOS R6	EOS R6	EOS R6
EOS R6 Mark II	**EOS R6 Mark II**	**EOS R6 Mark II**
EOS R7	**EOS R7**	**EOS R7**
EOS R8	**EOS R8**	**EOS R8**
EOS R10	**EOS R10**	**EOS R10**
EOS R50	**EOS R50**	**EOS R50**
EOS R100	**EOS R100**	**EOS R100**

* In India, China and Australia EOS 2000D is EOS 1500D, EOS 4000D is EOS 3000D. EOS 4000D is not currently sold in Japan.

E&OE Cameras in **BOLD** are current

Some EOS cameras are sold under different names in different parts of the world – mostly for marketing reasons. The three main market areas are Europe, the USA and Japan, though India and China are becoming increasingly important. The enthusiast and professional models have the same names across the world. It is with the entry-level models that the names differ. If you plan to buy abroad, in person or online, you need to make a note of these names. The cameras are generally the same.

Canon does not usually announce when a camera model is discontinued. We have based our information on various sources. Some photo dealers might still have a discontinued camera in stock. There are also bargains to be found secondhand.

Three identical cameras, but with different names. **Left**: EOS 850D (Europe); **Centre**: EOS Rebel T8i (North America; **Right**: EOS KISS X10i (Japan)

Camera chronology

Many EOS digital camera models have been introduced since July 1995. The first four models were collaborations with Kodak. The first Canon exclusive model was the EOS D30 in 2000. The dates indicate the time at which the cameras were announced – availability might have been a month or two later. The EOS 100D was introduced with a white finish in November 2013 (Japan), May 2014 (Europe) and June 2014 (North America).
The EOS M50 Mark II was introduced in some parts of the world in October 2021, but arrived in the UK in March 2021.

Camera	announced
EOS DCS 3	JULY 1995
EOS DCS 1	DECEMBER 1995
EOS D2000	MARCH 1998
EOS D6000	DECEMBER 1998
EOS D30	OCTOBER 2000
EOS-1D	DECEMBER 2001
EOS D60	MARCH 2002
EOS-1Ds	NOVEMBER 2002
EOS 10D	MARCH 2003
EOS 300D	SEPTEMBER 2003
EOS-1D Mark II	APRIL 2004
EOS 20D	SEPTEMBER 2004
EOS-1Ds Mark II	NOVEMBER 2004
EOS 20Da	FEBRUARY 2005
EOS 350D	MARCH 2005
EOS-1D Mark II N	OCTOBER 2005
EOS 5D	OCTOBER 2005
EOS 30D	MARCH 2006
EOS 400D	SEPTEMBER 2006
EOS-1D Mark III	MAY 2007
EOS-1Ds Mark III	NOVEMBER 2007
EOS 40D	SEPTEMBER 2007
EOS 450D	MARCH 2008
EOS 1000D	JUNE 2008
EOS 50D	SEPTEMBER 2008
EOS 5D Mark II	NOVEMBER 2008
EOSD 500D	MAY 2009
EOS 7D	OCTOBER 2009
EOS-1D Mark IV	DECEMBER 2009
EOS 550D	FEBRUARY 2010
EOS 60D	SEPTEMBER 2010
EOS 600D	MARCH 2011
EOS 1100D	MARCH 2011
EOS 5D Mark III	MARCH 2012
EOS-1D X	APRIL 2012
EOS 60Da	JUNE 2012
EOS 650D	JUNE 2012
EOS M	OCTOBER 2012
EOS 6D	DECEMBER 2012
EOS 100D	APRIL 2013
EOS 700D	APRIL 2013
EOS 70D	AUGUST 2013
EOS M2	DECEMBER 2013
EOS 1200D	MARCH 2014
EOS 7D Mark II	SEPTEMBER 2014
EOS 5DS	FEBRUARY 2015
EOS 5DS R	FEBRUARY 2015
EOS 750D	FEBRUARY 2015
EOS 760D	FEBRUARY 2015
EOS M3	FEBRUARY 2015
EOS M10	NOVEMBER 2015
EOS-1D X Mark II	FEBRUARY 2016
EOS 80D	FEBRUARY 2016
EOS 1300D	MARCH 2016
EOS 5D Mark IV	SEPTEMBER 2016
EOS M5	SEPTEMBER 2016
EOS 77D	FEBRUARY 2017
EOS 800D	FEBRUARY 2017
EOS M6	FEBRUARY 2017
EOS 6D Mark II	JUNE 2017
EOS 200D	JUNE 2017
EOS M100	AUGUST 2017
EOS 2000D	FEBRUARY 2018
EOS 4000D	FEBRUARY 2018
EOS M50	FEBRUARY 2018
EOS R	OCTOBER 2018
EOS RP	FEBRUARY 2019
EOS 250D	APRIL 2019
EOS 90D	SEPTEMBER 2019
EOS M6 Mark II	SEPTEMBER 2019
EOS M200	SEPTEMBER 2019
EOS Ra	DECEMBER 2019
EOS-1D X Mark III	FEBRUARY 2020
EOS 850D	APRIL 2020
EOS R5	JULY 2020
EOS R6	JULY 2020
EOS M50 Mark II	OCTOBER 2020
EOS R3	NOVEMBER 2021
EOS R5 C	MARCH 2022
EOS R7	MAY 2022
EOS R10	MAY 2022
EOS R6 Mark II	NOVEMBER 2022
EOS R8	APRIL 2023
EOS R50	APRIL 2023
EOS R100	JUNE 2023

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Latest camera firmware

Firmware is an interface between the camera features and the camera hardware. Firmware is not always perfect when it is installed by Canon. Despite rigorous testing, there can be flaws. Canon provides user-installable firmware updates from time to time to correct these issues. They are available from:
canon-europe.com/support

Camera	firmware	updated
EOS-1D	1.4.0	30 Jul 2002
EOS-1D Mark II	1.2.6	20 Dec 2006
EOS-1D Mark II N	1.1.2	20 Dec 2006
EOS-1D Mark III	1.3.2	23 Jul 2013
EOS-1D Mark IV	1.1.5	14 Nov 2016
EOS-1D X	2.1.1	2 Sep 2019
EOS-1D X Mark II	1.1.8	14 May 2021
EOS-1D X Mark III	1.7.1	24 Mar 2023
EOS-1Ds	1.0.3	6 Apr 2004
EOS-1Ds Mark II	1.1.6	20 Dec 2006
EOS-1Ds Mark III	1.2.3	23 Jul 2013
EOS 5D	1.1.1	18 Mar 2008
EOS 5D Mark II	2.1.2	17 Feb 2012
EOS 5D Mark III	1.3.6	2 Sep 2019
EOS 5D Mark IV	**1.4.0**	28 Apr 2023
EOS 5DS	1.1.4	3 Feb 2021
EOS 5DS R	1.1.4	3 Feb 2021
EOS 6D	1.1.9	13 Nov 2019
EOS 6D Mark II	**1.2.0**	28 Apr 2023
EOS 7D	2.0.6	14 Nov 2016
EOS 7D Mark II	1.1.3	14 Nov 2019
EOS 10D	2.0.1	20 Jan 2004
EOS 20D	2.0.3	26 Oct 2005
EOS 20Da	2.0.3	26 Oct 2005
EOS 30D	1.0.6	18 Mar 2008
EOS 40D	1.1.1	20 Jan 2009
EOS 50D	1.0.9	17 Feb 2012
EOS 60D	1.1.2	14 Nov 2016
EOS 60Da	1.1.2	14 Nov 2016
EOS 70D	1.1.3	14 Nov 2019
EOS 77D	1.1.0	6 Oct 2020
EOS 80D	1.0.3	30 Jul 2019
EOS 90D	1.1.1	25 Oct 2019
EOS 100D	1.0.1	13 Sep 2016
EOS 200D	1.1.0	6 Oct 2020
EOS 250D	1.0.3	21 May 2021
EOS 300D	1.1.1	23 Oct 2003
EOS 350D	1.0.3	26 Oct 2005
EOS 400D	1.1.1	19 Sep 2007
EOS 450D	1.1.0	23 Apr 2009
EOS 500D	1.1.2	29 Nov 2016
EOS 550D	1.1.0	13 Dec 2016
EOS 600D	1.0.3	14 Nov 2016
EOS 650D	1.0.5	15 Nov 2016
EOS 700D	1.1.5	13 Sep 2016
EOS 750D	1.1.0	6 Oct 2020
EOS 760D	1.0.1	13 Nov 2019
EOS 800D	1.1.0	6 Oct 2020
EOS 850D	1.0.0	–
EOS 1000D	1.0.7	13 Oct 2010
EOS 1100D	1.0.6	14 Nov 2016
EOS 1200D	1.0.2	14 Nov 2016
EOS 1300D	1.2.0	6 Oct 2020
EOS 2000D	**1.2.0**	28 Apr 2023
EOS 4000D	1.0.1	13 Nov 2019
EOS D30	1.0.3	22 Apr 2002
EOS D60	1.0.4	11 Nov 2002
EOS D2000	3.2.3	5 Dec 2008
EOS D6000	3.2.3	5 Dec 2008
EOS DCS 1	5.0.1	Feb 1999
EOS DCS 3	5.0.1	Feb 1999
EOS M	2.0.3	14 Nov 2016
EOS M2	1.0.4	13 Feb 2020
EOS M3	1.2.1	29 Jan 2020
EOS M5	1.0.2	29 Jan 2020
EOS M6	1.0.1	29 Jan 2020
EOS M6 Mark II	1.1.1	22 Jan 2021
EOS M10	1.1.1	29 Jan 2020
EOS M50	1.1.0	7 Oct 2020
EOS M50 Mark II	1.0.3	2 Jun 2022
EOS M100	1.1.0	6 Oct 2020
EOS M200	1.0.0	–
EOS R	1.8.0	9 Jun 2021
EOS Ra	1.8.0	9 Jun 2021
EOS RP	1.6.0	11 Nov 2020
EOS R3	**1.4.1**	18 Apr 2023
EOS R5	1.8.1	15 Mar 2023
EOS R5 C	1.0.3.1	28 Mar 2023
EOS R6	**1.8.2**	16 May 2023
EOS R6 Mark II	**1.1.2**	16 May 2023
EOS R7	**1.3.1**	16 May 2023
EOS R8	1.0.0	–
EOS R10	1.3.0	16 Feb 2023
EOS R50	1.0.0	–
EOS R100	1.0.0	–

• We have given the firmware version as 1.0.0 where an update has not yet been released.
• Firmware in **BOLD** indicates a change (or correction) since the previous edition.

E&OE

Cinema EOS system

Canon entered the motion picture production industry in 2012 with the launch of the Cinema EOS System (above) – a professional digital cinematography system for filmmakers and cinematographers. The system has expanded rapidly with video cameras and lenses.

EOS C300/C300 PL 2012-2015
- launch price $20,000

Canon earned praise for the video features of the EOS 5D Mark II launched in November 2008. This has been used in the production of blockbuster Hollywood motion pictures and hit television programmes. The Cinema EOS system builds on this success, targeting a new area of imaging for Canon.

The first models in the system are the EOS C300 and C300 PL which come with a range of seven lenses in a mix of two lens mounts (EF and PL). They deliver a 4K performance. The products fuse together Canon's proven technologies in the fields of video, lenses, CMOS sensors and image processing.

EOS-1D C 2012-2019
- launch price £10,000

The EOS-1D C is a DSLR camera targeting the motion picture, television and high-resolution production industries. The compact and lightweight camera supports in-camera 4K (4,096 x 2,160) video recording with 4:2:2 colour sampling. The EOS-1D C, which is based on the core specifications of the EOS-1D X, is compatible with more than 60 EF lenses. The EOS-1D C has been independently tested in accordance with the European Broadcasting Union (EBU) standards for content acquisition. It was found to satisfy the stringent testing criteria for HD production – the first DSLR to do so.

EOS C100 2012-2014
- launch price $7999

The EOS C100 is a compact, versatile interchangeable-lens professional video camera designed for independent videographers. Based on the core performance of the EOS C300, the new model combines impressive hardware specifications with a range of new automatic features – making it ideal for professionals who shoot without a crew.

Its advanced imaging system utilises the widely-used AVCHD codec, with the CMOS sensor recording 1920x1080 (Full HD) resolution video to two SD cards at 24Mbps with 4:2:0 colour sampling – delivering sharp, vivid, professional-quality video. Uncompressed video can also be output directly to external recorders via an integrated HDMI terminal, complete with embedded timecode data.

Support for 24/25/30p and 50/60i frame rates offers flexibility, and an ISO range of 320-20,000 provides extensive exposure control and low noise in all lighting conditions. A new Wide Dynamic Range gamma setting makes it possible to shoot in demanding, high contrast situations – achieving a dynamic range of up to 800% without the need for extensive colour grading in post-production. Additionally, Canon Log Gamma enables the capture of high quality video rich in exposure latitude and dynamic range, and ensures footage has a consistent look and feel when used alongside other Cinema EOS cameras in multicamera shoots.

EOS C500/C500 PL 2012-2019
- launch price £20,000

The EOS C500 was Canon's flagship camera model in the Cinema EOS system. Features include: 8.85 megapixel Super 35mm Canon CMOS sensor optimised for 4K-resolution imaging, compatibile with Canon's wide range of EF lenses (C500) – new Cinema Lock EF lens mount for easier lens change-over, industry-standard PL lens compatibility (C500 PL), three built-in ND filters, 'Cinema RAW' 4K RAW/HRAW recording modes, recorded to external device.

EOS C100 Mark II 2014-2019
- launch price £4280

A Super 35mm 8.3MP CMOS sensor combines with a DIGIC DV 4 processor to deliver rich colour and a wide dynamic range. The EOS C100 Mark II includes Canon's Dual Pixel CMOS AF technology as standard. It also features two recording formats: Dual Format recording allows operators to simultaneously capture Full HD footage in both MP4 (up to 35Mbps) and AVCHD (up to 28Mbps) variants, using frame rates of up to 60P. Alternatively, users can record HD and SD footage to separate SD cards. Integrated Wi-Fi connectivity – a first for the Cinema EOS series. Browser-based camera control via built-in Wi-Fi and support for Canon's multi-functional RC-V100 remote control allows the camera to be positioned in locations that previously could not have been considered.

EOS C300 Mark II 2015-2019
- launch price £11299

Features include an advanced imaging engine with dual DIGIC DV5 processors, new professional codecs and outstanding dynamic range. With the ability to record 10-bit 4:2:2 files internally at up to 410Mbps in 4K, or 10/12-bit 4:4:4 files in 2K/Full HD, with up to 15 stops of dynamic range, the EOS C300 Mark II provides footage suitable for extensive post-production work.

EOS C700 2016-
- launch price £27,000

Robust and highly-capable primary 4K camera with maximum image quality and flexibility. Ideal for for drama, independent film and documentary. Configurable for multiple production workflows, including support for HDR monitoring.

EOS C200 2017-
- launch price £7699.99

As the first Cinema EOS camera to support the new RAW recording format – Cinema RAW Light – the EOS C200 provides the same flexibility in colour grading as Cinema RAW in a smaller file size. The EOS C200 features Canon's 4K Super 35mm CMOS sensor with an effective pixel count of 8.85MP, along with the newly developed Dual DIGIC DV6 image processors. As a result, it can deliver Cinema RAW Light recording at 4K DCI 50P internally to a CFast 2.0 card. Supporting up to 15-stops of dynamic range with Cinema RAW Light and up to 13-stops of dynamic range in MP4 (Canon Log / Log 3), the camera is perfect for capturing highlight and shadow details. The EOS C200 is also capable of delivering both slow and fast motion recording at up to 120fps with no crop in Full HD/MP4, ideal for those wanting creative slow motion capture.

EOS C200B 2017-
- launch price £6900

The EOS C200B Digital Cinema Camera comes as a standalone camera body, excluding the built-in electronic viewfinder, LCD monitor, handle and handgrip accessories that come with the EOS C200. This allows the user the flexibility to customize the camera with a wide range of accessories to fit their specific needs. The camera's small form factor allows it to be used in tighter spaces, and more easily attached to a gimbal or drone.

EOS C700FF 2018-
- launch price £33,000

EOS C200B

Canon's first full-frame cinema camera. The CMOS sensor records 5.9K with over sampling for exceptionally high quality 4K footage. The sensor offers low noise, wide colour gamut, and a wide dynamic range of 15-stops for a natural look and greater freedom when grading.

EOS C500 Mark II 2019-
- launch price £17,000

The EOS C500 Mark II is a compact and versatile full-frame camera. The sensor is powered by Canon's DIGIC DV 7 processor. Supporting 5.9K internal Cinema RAW Light and 4K 4:2:2 10bit XF-AVC recording, this camera enables professionals to creatively explore full-frame, cinematic images. It is the first camera in the range with the ability to record on to new, faster storage media – dual CFexpress cards. The EOS C500 Mark II is the first Cinema EOS System camera to feature a user interchangeable lens-mount for EF Cinema Lock, and PL, giving professionals a wide variety of lens selection.

Cinematographers can configure the camera using two different expansion units – the EU-V1 and EU-V2. Two viewfinders (EVF-V70 and EVF-V50) are also available as optional units. The ability to configure the camera with Expansion Units, along with its compactness and lightweight design, gives cinematographers greater shooting flexibility.

The EOS C500 Mark II is the first camera to incorporate Electronic Image Stabilization in a Cinema EOS System, providing the camera with 5-axis Image Stabilization. When a lens that supports data transmission is attached, focal length data is automatically received. However, when used with a lens with no lens communication, Electronic IS is possible by manually inputting the focal length. In addition to this, Electronic IS is also compatible with anamorphic lenses.

EOS C200

EOS C300 Mark III

EOS C300 Mark III 2019-
- launch price £10,499.00

The latest model in Canon's Cinema EOS Camera range features a newly-developed Super 35mm 4K CMOS sensor and comes with 16+ stops of dynamic range, professional codecs and the same compact, modular body as the Canon EOS C500 Mark II. The EOS C300 Mark III is the first Cinema EOS System camera to feature Canon's Dual-Gain Output (DGO) sensor, which means it can capture images with wider dynamic range and lower noise, making it ideal for HDR output. It also offers outstanding low-light performance with a maximum ISO setting of 102400. Featuring the recently developed DIGIC DV7 image processor, the Canon EOS C300 Mark III can continuously record high bitrate 4K files internally at up to 120fps and all the way up to 180fps in 2K(crop) mode. High frame rate recording enables slow-motion effects. The camera can record 4K RAW internally, at 12-bit or 10-bit, to dual high-speed CFexpress cards using Canon's Cinema RAW Light format format is just 20-30% of the size of a standard Cinema 4K RAW file – overcoming the storage and transfer challenges typically associated with RAW formats. The Canon EOS C300 Mark III features Canon's acclaimed Dual Pixel CMOS AF, giving a natural autofocus action similar to the way focus pullers would achieve focus, as well as high-precision Face Detection AF and Tracking AF features, which should help single operators or small crews capture the moment without focal concerns. The Canon EOS C300 Mark III is supplied with the default EF mount, making it compatible with more than 90 current EF and Cinema EF lenses, but it's also possible to fit the lever-locking EF Cinema Lock Mount (CM-V1) or the industry standard PL Mount (PM-V1) – and the lens mounts are user-changeable, giving maximum versatility.

EOS C70 2020-
- launch price £4799.00

The EOS C70 is a compact, versatile camera that is the first to combine the image quality of Canon's Cinema EOS System range with the portability and flexibility of its EOS R line-up. For the first time, filmmakers can enjoy the possibilities of the powerful RF lens range.

The design of the EOS C70 makes it suitable for a broad range of uses including documentaries, productions of all sizes, news gathering and even social media – thanks to its unique vertical shooting capability. The size and features enable filmmakers to shoot handheld or on a drone or gimbal. Recording to Dual SD cards the EOS C70 features several recording options at resolutions from 4K, UHD, 2K, and Full HD.

While the camera is the smallest and lightest in Canon's Cinema EOS System line-up, it is packed with features that support a versatile range of professional video requirements. Face Detection AF greatly improves the reliability of focusing on and tracking the subject. The EOS C70 introduces Auto ISO to the Cinema EOS System range for the first time.

Also available is the Mount Adapter EF-EOS R 0.71x – an EF Lens to RF Mount adapter giving filmmakers the freedom to use the entire EF lens line-up with the EOS C70.

EOS C70

Left: Mount Adapter EF-EOS R 0.71x is an EF to RF adapter to use the broad range of Canon EF lenses on the EOS C70 camera.

Above: The EOS C70 is light enough to be carried beneath a drone for aerial photography.

EOS R5 C 2022-
- Launch price £4499.99 (body only)

The EOS R5 C might seem like the identical twin of the EOS R5 – bar its scarlet shutter button and bold 'C' badge declaring its status as Cinema EOS. But while it shares common features and technology, the EOS R5 C houses two very different cameras in one body.

When the EOS R5 was released in 2020, one of its headline features was 8K video. And yet it was clear from the outset that the R5 was a stills camera, first and foremost. The video feature was very much an add-on, just it has been on all EOS cameras since the groundbreaking EOS 5D Mark II, launched in 2008.

Ten years ago, the Cinema EOS system was launched, marking a distinct line in the road, much like a pedestrian and cyclist lane. One side for one user, one side for the other.

Until now, no single EOS camera has been truly hybrid in nature. But with the introduction of the EOS R5 C, Canon seems to have nailed the concept. Possibly revolutionised it.

It all starts with the On/Off switch, which has been converted to a Photo/Off/Video switch on the R5 C, marking its imaging duality. That switch, however, does a lot more than transition between modes.

In Photo mode, the EOS R5 C operates just like the EOS R5. It offers the same sensor, same generation of DIGIC processor, as well as like-for-like focusing features such as subject detection and AF areas, all of which make the EOS R5 such a powerful tool for stills. It's almost identical, bar one key feature: the EOS R5 C is missing In-body Image Stabilisation (IBIS). You'll get optical image stabilisation (if offered) from an attached lens. But that's it for stills.

The EOS R5 C does have Electronic IS, a digitally-deployed feature that's only for video. This feature detects camera/lens movement or shake, and moves the image on the sensor to compensate. With IBIS, it's the sensor that moves.

Switch to video mode and it's like the camera transforms entirely into a Cinema EOS. Video features and settings aren't just added onto the stills menus, as with all other video-capable EOS cameras. No, the menu system is from the Cinema system, providing a dedicated and streamlined experience for shooting video.

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E&OE

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by Nina Bailey

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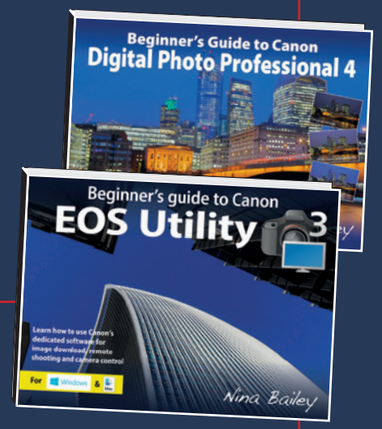

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Lenses (EF and EF-S mount)
Over 100 lenses fulfil your every need

There are over 60 lenses in the current range, and well over 100 lenses if you include discontinued items. Most of the lenses carry the prefix EF, which is an abbreviation for electro-focus. All EF and EF-S lenses offer autofocusing. Only the TS-E (tilt-and-shift) lenses and the MP-E65 macro lens do not autofocus.
See page 7 for RF and RF-S lenses and page 10 for EF-M mount lenses.

Prime lenses

A prime lens has a fixed focal length. 50mm used to be the most popular prime lens, but most photographers now obtain this focal length in the standard zoom often supplied as part of a kit.

In the past, prime lenses offered a significantly better optical performance than zoom lenses. Today, while the top prime lenses still out-perform zooms, the difference is much less marked.

In its current prime range, Canon concentrates on high performance, wide aperture lenses. In the main, these are aimed at professional photographers, with prices to match. The exception is the 50mm f1.8 II lens, which combines high performance with low cost.

Zoom lenses

By far the most popular lenses today are zooms. These offer a range of focal lengths in one lens – 18mm to 55mm, for example. The zoom ratio is found by dividing the maximum focal length by the minimum. This gives a ratio of approximately 1:3 for an 18-55mm lens. The 35-350mm lens has a ratio of 1:10.

The main advantage of a zoom lens is convenience – one zoom lens can replace two or three non-zoom (or 'prime') lenses.

L-series lenses

If you want the ultimate in lens performance and durability, look for the 'L' designation at the end of the lens name. This stands for luxury. These lenses are manufactured using the very latest in lens technology, including elements made from fluorite crystal and ultra-low dispersion (UD) glass.

L-series lenses tend to have the widest maximum apertures – and the highest prices.

However, do not assume that only L-series lens will give top quality images. Results from lenses such as the EF 50mm f1.8 II, EF 85mm f1.8 USM and EF 100mm f2 USM are equally good, even though their durability may be below L-series standards.

L-series lenses can be identified by the bright red line around the front of the lens barrel.

Ultrasonic motor (USM)

Another feature to look for in EF lenses is the USM – ultrasonic motor. This is the motor which drives the autofocusing. Non-USM lenses use an arc form

drive (AFD) motor. This is good, but the USM is faster and quieter.

Some EF lenses allow Full-time Manual focusing (FTM). This allows you to manually refocus the lens as soon as One-shot AF control is completed without switching the focus mode switch to manual focus. FTM is very useful if you need to fine-tune the focus in macro or super-telephoto photography.

Stepper motors (STM)

A stepper motor converts digital pulses into mechanical rotation. A complete rotation of the shaft is divided into a large number of small steps. Each pulse rotates the shaft by one step and the position of the motor shaft can be controlled without any feedback mechanism. A large number of digital pulses give a smooth rotation of the shaft.

There are no contact brushes in the motor, giving the device a long life. The motor is reliable, rugged and relatively inexpensive. It is also very quiet – ideal when the lens is used on an EOS camera shooting movies. The built-in microphone is less likely to pick up lens motor noise.

Diffractive element (DO)

A lens innovation from Canon is the Multi-layer Diffractive Optical Element (DO).

A single diffractive element is not suitable for lens use because it creates flare. However, Canon has discovered that combining two diffractive elements in a single lens cancels out the flare.

At the moment, the main advantage of the multi-diffractive element is that it reduces the length of telephoto lenses, a benefit mostly of interest to professional photographers travelling abroad on assignments. DO lenses are identified by a green line round the lens barrel..

Image stabilisation (IS)

One of the major causes of poor image quality is camera shake. If you move the camera during the exposure, the image is likely to be blurred.

In 1995 Canon introduced the world's first image stabilizer lens for a 35mm single-lens reflex camera. The technology uses tiny gyro motors which sense the slightest movement of the lens. This data is fed to a mini computer which controls the movement of a special element in the lens. This element moves in response to lens and camera movement to keep the image stationary. Using image stabilisation is equivalent to setting a shutter speed up to four steps faster.

Special lenses

Canon is one of the few camera manufacturers to offer a range of tilt-and-shift (TS-E) lenses. These allow you to angle the plane of focus rather than keeping it parallel to the film or digital sensor, giving much greater control over depth-of-field and allowing unusual creative effects. You can also move the axis of the lens away from the centre of the frame for greater control of verticals in architectural photography.

Another special lens is the MP-E 65mm f2.8 1-5x Macro. As the name suggests, this provides magnifications from 1x to 5x. It is the only EOS lens which does not focus to infinity.

EF and EF-S lenses

All EF lenses fit all EOS cameras, both film and digital, including mirrorless via adapters. However, many digital EOS cameras have a sensor which is smaller than the 36x24mm format of 35mm film frame. On these cameras, the lens has a narrower field-of-view, This is good for telephoto lens users, but restricts the range for wide-angle lens users.

EF-S lenses do not fit all EOS models. They have been specially designed for the EOS 20D and all later APS-C format cameras – this excludes the EOS D30, D60 and 10D. These cameras will, however, also accept all the EF lenses in the EOS system.

Guide to lens charts on the following pages

As far as we know, the charts on the following pages list every EOS camera lens manufactured since the range was introduced in 1987. If you know of any lens not shown here, please let us know.

Const. shows the construction of the lens as elements/groups. It used to be the case that lenses with more elements had higher performances (each additional element gave greater correction of lens aberrations). However, the increased use of computers in lens design, along with fluorite and UD glass elements, means that high performance is now possible with fewer elements.
Min. ap. is the minimum aperture (the maximum aperture is shown in the lens name). The aperture may vary with the zoom setting.
Bld. is the number of blades used to construct the diaphragm (this can affect the lens 'Bokeh' – the quality of the out-of-focus areas.
Cl. foc. is the closest focusing distance
Mag. is the maximum magnification
Filter is the filter size or type
Size shows the dimensions of the lens – max. diameter x length
Weight is the weight of the lens
Hood, Hard case and **Pouch** show the reference number of these accessories (where available)
Introd. is the month and year the lens was introduced
Price is the suggested retail price (inclusive of VAT) from a current Canon UK price guide. Dealers often sell at lower prices. If a price is not given, the lens is discontinued, but may be available on the second-hand market.

Filter rotation
The front element of some zoom lenses rotates during focusing, which means that an attached filter will also rotate. This can be inconvenient if you are using a polarizing filter, or any other filter which changes its effect with the angle of rotation. Lenses with a rotating front element are indicated in the list by the symbol 'R' after the filter size. Front elements which do not rotate are indicated by the symbol 'NR'. Where no symbol is given, we do not currently have information about rotation. None of the fixed focal length EF lenses has a rotating front element.

Lens version
Roman numerals after the lens name indicate the version number. Zoom lenses in particular are often updated, usually becoming smaller and lighter.

Lens performance
If you are looking for ultimate lens performance, buy an L-series lens (look for the 'L' at the end of the lens designation). These use state-of-the-art design and materials to combine wide apertures with high resolution.

While every effort has been made to avoid errors or omissions, you should not make significant purchase decisions based solely on the content of this guide.

EF zoom lenses

A range of focal lengths in one lens

Many EF lenses are being discontinued as Canon expands its range of RF lenses for EOS R-series mirrorless cameras. However, as photographers move to mirrorless, there are plenty of EF and EF-S lenses appearing on the second-hand market. This gives EOS DSLR users a choice of good lenses at good prices.

EF zoom lenses

Zooms give a range of focal lengths in a single lens, replacing a number of non-zoom lenses. The EF 24-70mm and EF 70-300mm lenses, for example, might cover all your needs.

	Stops	Const.	Min.ap.	Bld	Cl. foc.	Mag.	Filter	Size (mm)	Weight	Hood	Hard case	Pouch	Introd.	Price
EF 8-15mm f4L Fisheye USM		14/11	f22	7	0.15m	0.39x	Filter holder	78x83	540g	EW-77[15mm only]	–	LP1219	03/11	£1359.99
EF 11-24mm f4L USM		16/11	f22	9	0.28m	0.16x	Filter holder	108x132	1180g	Built-in	–	LP1424	03/15	£2799.99
EF 16-35mm f2.8L USM		14/10	f22	7	0.28m	0.22x	77mm[NR]	83x103	600g	EW-83E	–	LP1319	11/01	–
EF 16-35mm f2.8L II USM		16/12	f22	7	0.28m	0.22x	82mm	88x112	635g	EW-88E	–	LP1319	02/07	–
EF 16-35mm f2.8L III USM		16/11	f22	9	0.28m	0.25x	82mm	88x127	790g	EW-88D	–	LP1222	09/16	£2349.00
EF 16-35mm f4L IS USM	4	16/12	f22	9	0.28m	0.23x	77mm	83x113	615g	EW-82	–	LP1219	06/14	£1199.99
EF 17-35mm f2.8L USM		15/10	f22	7	0.42m	0.11x	77mm[NR]	83x96	545g	EW-83C	LHD14/B	LP1216	04/96	–
EF 17-40mm f4L USM		12/9	f22	7	0.28m	0.24x	77mm[NR]	83x97	475g	EW-83E	–	LP1319	04/03	£849.99
EF 20-35mm f2.8L		15/12	f32	8	0.5m	0.09x	72mm[NR]	89x79	570g	EW-75	LHD13	NONE	10/89	–
EF 20-35mm f3.5-4.5 USM		12/11	f27	5	0.34m	0.13x	77mm[NR]	83x69	340g	EW-83	LHD11	LP1214	03/93	–
EF 22-55mm f4-5.6 USM[IX]		9/9	f22-32	5	0.35m	0.2x	58mm[R]	66x59	175g	EW-60D	–	LP1014	02/98	–
EF 24-70mm f2.8L USM		16/13	f22	8	0.38m	0.29x	77mm[NR]	83x123	950g	EW-83F	–	LP1219	11/02	–
EF 24-70mm f2.8L II USM		18/13	f22	9	0.38m	0.21x	82mm[NR]	88x133	805g	EW-88C	–	LP1219	02/12	£2099.99
EF 24-70mm f4L IS USM	4	15/12	f22	9	0.38m	0.7x	77mm	83x93	600g	EW-83L	–	LP1219	01/13	£1099.99
EF 24-85mm f3.5-4.5 USM		15/12	f32	6	0.5m	0.16x	67mm[NR]	73x69	380g	EW-73	L13HC	LP1014	09/96	–
EF 24-85mm f3.5-4.5 MS USM[MS]		15/12	f32	6	0.5m	0.16x	67mm[NR]	73x69	380g	EW-73	L13HC	LP1014	09/96	–
EF 24-105mm f3.5-5.6 IS STM	4	17/13	f22-36	7	0.4m	0.3x	77mm	83x104	525g	EW-83M	–	LP1219	11/14	£479.99
EF 24-105mm f4L IS USM	3	18/13	f22	8	0.45m	0.23x	77mm	83x107	630g	EW-83H	–	LP1219	10/05	–
EF 24-105mm f4L IS II USM	4	17/12	f22	10	0.45m	0.24x	77mm	83x118	795g	EW-83M	–	LP1219	09/16	£1129.00
EF 28-70mm f3.5-4.5		10/9	f29	5	0.39m	0.22x	52mm	70x75	300g	EW-68A	LHB12	ESC13	11/87	–
EF 28-70mm f3.5-4.5 II		10/9	f29	5	0.39m	0.22x	52mm	70x76	285g	EW-68A	LHB12	ESC13	06/88	–
EF 28-70mm f2.8L USM		16/11	f22	8	0.5m	0.18x	77mm[NR]	83x118	880g	EW-83B	LHD16/2	LP1219	11/93	–
EF 28-80mm f2.8-4L USM		15/11	f22	8	0.5m	0.2x	72mm[NR]	84x119	945g	EW-79	LHD16	NONE	04/89	–
EF 28-80mm f3.5-5.6		10/10	f38	5	0.38m	0.26x	58mm[R]	66x71	200g	EW-60C	LHC13	ESC9	09/96	–
EF 28-80mm f3.5-5.6 USM		10/9	f38	5	0.5m	0.18x	58mm	72x77	330g	EW-68A	LHB12	ESC13	10/91	–
EF 28-80mm f3.5-5.6 II		10/10	f38	5	0.38m	0.26x	58mm[R]	66x71	200g	EW-60C	–	LP814	03/99	–
EF 28-80mm f3.5-5.6 II USM		9/9	f38	5	0.38m	0.26x	58mm[R]	63x68	200g	EW-60C	LHC13	ESC9	10/93	–
EF 28-80mm f3.5-5.6 III USM		9/9	f38	5	0.38m	0.26x	58mm[R]	65x63	205g	EW-60C	LHC13	ESC9	08/95	–
EF 28-80mm f3.5-5.6 IV USM		10/10	f38	5	0.38m	0.26x	58mm[R]	66x71	200g	EW-60C	LHC13	ESC9	09/96	–
EF 28-80mm f3.5-5.6 V USM		10/10	f38	5	0.38m	0.26x	58mm[R]	66x71	200g	EW-60C	–	LP814	03/99	–
EF 28-90mm f4-5.6		10/8	f32	–	0.38m	0.3x	58mm[R]	67x71	180g	EW-60C	–	LP814	09/00	–
EF 28-90mm f4-5.6 USM		10/8	f32	–	0.38m	0.3x	58mm[R]	67x71	180g	EW-60C	–	LP814	09/00	–
EF 28-90mm f4-5.6 II		10/8	f32	5	0.38m	0.3x	58mm	67x71	180g	EW-60C	–	LP814	09/02	–
EF 28-90mm f4-5.6 II USM		10/8	f32	5	0.38m	0.3x	58mm	67x71	190g	EW-60C	–	LP814	09/02	–
EF 28-90mm f4-5.6 III		10/8	f32	5	0.38m	0.3x	58mm	67x71	190g	EW-60C	–	LP814	09/04	–
EF 28-105mm f3.5-4.5 USM		15/12	f29	5	0.5m	0.19x	58mm[NR]	72x75	375g	EW-63	LHC13	LP814	11/92	–
EF 28-105mm f3.5-4.5 II USM		15/12	f27	7	0.5m	0.19x	58mm[NR]	72x75	375g	EW-63	–	LP814	09/00	–
EF 28-105mm f4-5.6		10/9	f32	6	0.48	0.19x	58mm	67x68	210g	EW-63B	–	LP814	09/02	–
EF 28-105mm f4-5.6 USM		10/9	f32	6	0.48	0.19x	58mm	67x68	210g	EW-63B	–	LP814	09/02	–
EF 28-135mm f3.5-5.6 IS USM	2	16/12	f22-36	6	0.5m	0.19x	72mm[NR]	78x97	540g	EW-78B	–	LP1116	02/98	–
EF 28-200mm f3.5-5.6		16/13	f36	–	0.45m	0.28x	72mm[NR]	78x90	495g	EW-78D	–	LP1116	09/00	–
EF 28-200mm f3.5-5.6 USM		16/13	f36	–	0.45m	0.28x	72mm[NR]	78x90	495g	EW-78D	–	LP1116	09/00	–
EF 28-300mm f3.5-5.6L IS USM	3	23/16	f22-38	8	0.70m	0.30x	77mm	92x184	1670g	EW-83G	–	LZ1324	05/04	£2599.99
EF 35-70mm f3.5-4.5		9/8	f29	5	0.39m	0.2x	52mm	70x63	245g	EW-68B	LHC13	ESC9	03/87	–
EF 35-70mm f3.5-4.5 A[AF]		9/8	f29	5	0.39m	0.2x	52mm	69x63	230g	EW-68B	LHC13	ESC9	10/88	–
EF 35-80mm f4-5.6 PZ[PZ]		7/7	f32	5	0.5m	0.18x	52mm	68x72	205g	–	–	–	03/90	–
EF 35-80mm f4-5.6		8/8	f32	5	0.37m	0.25x	52mm[R]	69x61	180g	EW-62	LHC13	ESC9	09/90	–
EF 35-80mm f4-5.6 USM		8/8	f32	5	0.38m	0.25x	52mm[R]	65x61	170g	EW-54	LHC13	LP814	04/92	–
EF 35-80mm f4-5.6 II		8/8	f32	5	0.38m	0.25x	52mm[R]	65x61	170	EW-54	LHC13	ESC9	09/93	–
EF 35-80mm f4-5.6 III		8/8	f32	5	0.4m	0.23x	52mm[R]	65x63	175g	EW-54	LHC13	LP814	03/95	–
EF 35-105mm f3.5-4.5		14/11	f29	5	0.85m	0.16x	58mm[R]	73x82	400g	EW-68B	LHC13	ESC13	03/87	–
EF 35-105mm f4.5-5.6		13/12	f29	5	0.85m	0.16x	58mm[R]	71x63	280g	EW-68B	LHB12	ESC9	04/91	–
EF 35-105mm f4.5-5.6 USM		13/12	f29	5	0.85m	0.16x	58mm[R]	68x63	280g	EW-60B	LHB12	ESC9	06/92	–
EF 35-135mm f3.5-4.5		16/12	f29	6	0.95m	0.18x	58mm	73x94	475g	EW-68B	LHB15	ESC13	06/88	–
EF 35-135mm f4-5.6 USM		14/12	f32	5	0.75m	0.15x	58mm[NR]	72x86	425g	EW-62	LHC13	ESC13	03/90	–
EF 35-350mm f3.5-5.6L USM		21/15	f36	8	0.6m	0.25x	72mm[NR]	85x167	1385g	EW-78	LHD22	LZ1325	01/93	–
EF 38-76mm f4.5-5.6		6/6	f27	5	0.58m	0.15x	52mm	65x64	155g	EW-54	LHPC10	ESC9	02/95	–
EF 50-200mm f3.5-4.5		16/13	f29	8	1.2m	0.23x	58mm	76x146	690g	ET-62	LHC19	ESC17	12/87	–
EF 50-200mm f3.5-4.5L		16/14	f29	8	1.2m	0.23x	58mm	76x146	695g	ET-62	LHC19	ESC17	06/88	–
EF 55-200mm f4.5-5.6 USM[IX]		13/13	f22-29	6	1.2m	0.21x	52mm[NR]	70x97	310g	ET-54	–	LP1016	02/98	–
EF 55-200mm f4.5-5.6 II USM		13/13	f22-27	6	1.2m	0.21x	52mm	70x97	310g	ET-54	–	LP1016	09/03	–
EF 70-200mm f2.8L USM		18/15	f32	8	1.5m	0.16x	77mm[NR]	85x194	1310g	ET-83	LHD24B	LZ1324	03/95	£1449.99
EF 70-200mm f2.8L IS USM	3	23/18	f32	8	1.4m	0.17x	77mm[R]	86x197	1570g	ET-86	–	LZ1324	08/01	–
EF 70-200mm f2.8L IS II USM	4	23/19	f32	8	1.2m	0.21x	77mm	89x199	1490g	ET-87	–	LZ1326	02/10	£2329.99
EF 70-200mm f2.8L IS III USM	3.5	23/19	f32	8	1.2m	0.21x	77mm	89x199	1480g	ET-87	–	LZ1326	07/18	£2149.99
EF 70-200mm f4L USM		16/13	f32	8	1.2m	0.21x	67mm[NR]	76x172	710g	ET-74	–	LP1224	09/99	£719.99
EF 70-200mm f4L IS USM	4	20/15	f32	8	1.2m	0.21x	67mm	76x172	760g	ET-74	–	LP1224	08/06	£1299.99
EF 70-200mm f4L IS II USM	5	20/15	f32	9	1.0m	0.27x	72mm	80x176	780g	ET-78B	–	LP1224	07/18	£1299.99
EF 70-210mm f4		11/8	f32	8	1.2m	0.24x	58mm[R]	76x138	605g	ET-62	LHC19	ESC17	05/87	–
EF 70-210mm f3.5-4.5 USM		14/10	f29	8	1.2m	0.17x	58mm[NR]	73x121	550g	ET-65	LHC16	ESC17	06/90	–
EF 70-300mm f4.5-5.6 DO IS USM	3	18/12	f32-38	6	1.4m	0.19x	58mm	82x100	720g	ET-65B	–	LP1116	05/04	£1699.99
EF 70-300mm f4-5.6 IS USM	3	15/10	f32-45	8	1.5m	0.26x	58mm	76x143	670g	ET-65B	–	LP1222	10/05	£559.99
EF 70-300mm f4-5.6L IS USM	4	19/14	f32-45	8	1.2m	0.21x	67mm	89x143	1050g	ET-73B	–	LP1424	10/10	–
EF 70-300mm f4-5.6 IS II USM	4	17/12	f32-45	9	1.2m	0.25x	67mm	80x145	710g	ET-74B	–	LP1222	09/16	£499.00
EF 75-300mm f4-5.6		12/9	f45	7	1.5m	0.25x	58mm[R]	74x122	500g	ET-60	LHC16	ESC17	03/91	–
EF 75-300mm f4-5.6 USM		13/9	f45	7	1.5m	0.25x	58mm[R]	71x122	495g	ET-60	LHC16	ESC17	06/92	–
EF 75-300mm f4-5.6 II		13/9	f45	7	1.5m	0.25x	58mm[R]	71x122	480g	ET-60	LHC16	ESC17	07/95	–
EF 75-300mm f4-5.6 II USM		13/9	f45	7	1.5m	0.25x	58mm[R]	71x122	480g	ET-60	LHC16	ESC17	03/95	–
EF 75-300mm f4-5.6 III		13/9	f45	7	1.5m	0.25x	58mm[R]	71x122	480g	ET-60	–	LP1019	03/99	£299.99
EF 75-300mm f4-5.6 III USM		13/9	f45	7	1.5m	0.25x	58mm[R]	71x122	480g	ET-60	–	LP1019	03/99	£349.99
EF 75-300mm f4-5.6 IS USM	2	15/10	f45	8	1.5m	0.25x	58mm[R]	78x138	650g	ET-64	LHD188	LP1022	09/95	–
EF 80-200mm f2.8L		16/13	f32	8	1.8m	0.13x	72mm[NR]	84x186	1330g	ES-79	LHD23	–	09/89	–
EF 80-200mm f4.5-5.6		10/7	f29	5	1.5m	0.16x	52mm[R]	71x78	275g	ET-54	LHB12	ESC13	11/90	–
EF 80-200mm f4.5-5.6 USM		10/7	f29	5	1.5m	0.16x	52mm	69x78	260g	ET-54	LHC13	LP1014	06/92	–
EF 80-200mm f4.5-5.6 II		10/7	f29	5	1.5m	0.16x	52mm[R]	69x78	250g	ET-54	LHB12	LP1014	03/95	–
EF 90-300mm f4-5.6		13/9	f38-45	7	1.5m	0.25x	58mm	71x115	420g	ET-60	–	LP1019	09/02	–
EF 90-300mm f4-5.6 USM		13/9	f38-45	7	1.5m	0.25x	58mm	71x115	420g	ET-60	–	LP1019	09/02	–
EF 100-200mm f4.5		10/7	f32	8	1.9m	0.13x	58mm	74x130	520g	ET-62	LHC19	ESC17	12/88	–
EF 100-300mm f4.5-5.6 USM		13/10	f40	8	1.5m	0.26x	58mm[NR]	73x121	540g	ET-65	LHC19	LP1019	06/90	–
EF 100-300mm f5.6		15/9	f22	8	2.0m	0.26x	58mm	75x167	685g	ET-62	LHC21	ESC20	03/87	–
EF 100-300mm f5.6L		15/10	f22	8	1.5m	0.26x	58mm[R]	75x167	695g	ET-62	LHC21	ESC20	06/87	–
EF 100-400mm f4.5-5.6L IS USM	2	17/14	f32-38	8	1.8m	0.20x	77mm[NR]	92x189	1360g	ET-83C	–	LZ1324	11/98	–
EF 100-400mm f4.5-5.6L IS II USM	4	2/16	f32-38	9	0.98m	0.31x	77mm	92x193	1640g	ET-83D	–	LZ1326	12/14	£1999.99
EF 200-400mm f4L IS USM Ext. 1.4x	4	25/20	f32	9	2m	0.15x	52mm drop-in	128x366	3620g	ET-120	200-400	–	07/13	£11999.99

[R] and [NR] filter rotation (see Guide to Lens Charts on a previous page) [IX] designed for EOS IX models, but usable with all EOS cameras
[MS] metallic finish silver to match retro-style and IX models [AF] autofocus only [PZ] built-in power zoom

EF-S lenses (zoom and prime)

These lenses are designed for the lens mounts of the EOS 7D, 7D Mark II, 20D, 30D, 40D, 50D, 60D, 70D, 77D, 80D, 90D, 100D, 200D, 250D, 300D, 350D, 400D, 450D, 500D, 550D, 600D, 650D, 700D, 750D, 760D, 800D, 850D, 1000D, 1100D, 1200D, 1300D, 2000D and 4000D digital cameras. EF lenses also fit these cameras, but EF-S lenses will not fit other EOS cameras.

	Stops	Const.	Min. ap.	Bld.	Cl. foc.	Mag.	Filter	Size (mm)	Weight	Hood	Hard case	Pouch	Introd.	Price
EF-S 10-18mm f4.5-5.6 IS STM	4	14/11	f22-29	7	0.22x	0.15x	67mm	75x72	240	EW-73C	–	LP1116	05/14	£299.99
EF-S 10-22mm f3.5-4.5 USM	–	13/10	f22-27	6	0.24m	0.17x	77mm	83x90	385g	EW-83E	–	LP1319	10/04	–
EF-S 15-85mm f3.5-5.6 IS USM	4	17/12	f22-38	7	0.35m	0.21x	72mm[NR]	82x87	575g	EW-78E	–	LP1116	10/09	–
EF-S 17-55mm f2.8 IS USM	3	19/12	f22	7	0.35m	0.17x	77mm	83x111	645g	EW-83J	–	LP1219	02/06	–
EF-S 17-85mm f4-5.6 IS USM	3	17/12	f22-32	6	0.35m	0.20x	67mm	78x92	475g	EW-73B	–	LP1116	10/04	–
EF-S 18-55mm f3.5-5.6	–	11/9	f22-36	6	0.28m	0.28x	58mm	68x66	190g	EW-60C	–	LP814	09/04	–
EF-S 18-55mm f3.5-5.6 USM	–	11/9	f22-36	6	0.28m	0.28x	58mm	68x66	190g	EW-60C	–	LP814	09/04	–
EF-S 18-55mm f3.5-5.6 II USM	–	11/9	f22-36	6	0.28m	0.28x	58mm	68x66	190g	EW-60C	–	LP814	03/05	–
EF-S 18-55mm f3.5-5.6 II	–	11/9	f22-32	6	0.28m	0.28x	58mm	68x66	190g	EW-60C	–	LP814	03/05	–
EF-S 18-55mm f3.5-5.6 III	–	11/9	f22-36	6	0.28m	0.28x	58mm	68x66	190g	EW-60C	–	LP814	02/11	–
EF-S 18-55mm f3.5-5.6 IS	4	11/9	f22-38	6	0.25m	0.34x	58mm	68x70	200g	EW-60C	–	LP814	09/07	–
EF-S 18-55mm f3.5-5.6 IS II	4	11/9	f22-38	6	0.25m	0.34x	58mm	68x70	200g	EW-60C	–	LP814	03/11	£199.99
EF-S 18-55mm f3.5-5.6 IS STM*	4	13/11	f22-38	7	0.25m	0.36x	58mm	69x75	205g	EW-63C	–	LP1016	04/13	£239.99
EF-S 18-55mm f4-5.6 IS STM	4	12/10	f22-32	7	0.25m	0.25x	58mm	66x62	215g	EW-63C	–	LP1016	02/17	£219.99
EF-S 18-135mm f3.5-5.6 IS	4	16/12	f22-38	6	0.45m	0.21x	67mm	75x101	455g	EW-73B	–	LP1116	10/09	–
EF-S 18-135mm f3.5-5.6 IS STM	4	16/12	f22-38	7	0.39m	0.28x	67mm	77x96	480g	EW-73B	–	LP1116	07/12	£479.99
EF-S 18-135mm f3.5-5.6 IS USM	4	16/12	f22-38	7	0.39m	0.28x	67mm	77x96	515g	EW-73D	–	LP1116	02/16	£439.99
EF-S 18-200mm f3.5-5.6 IS	4	16/12	f22-36	6	0.45m	0.24x	72mm[NR]	79x102	600g	EW-78D	–	LP1116	09/08	–
EF-S 55-250mm f4-5.6 IS	4	12/10	f22-32	7	1.1m	0.31x	58mm	71x108	390g	ET-60	–	LP1019	09/07	–
EF-S 55-250mm f4-5.6 IS II	4	12/10	f22-32	7	1.1m	0.31x	58mm	71x108	390g	ET-60	–	LP1019	07/11	–
EF-S 55-250mm f4-5.6 IS STM	3.5	15/12	f22-32	7	0.85m	0.29x	58mm[NR]	70x1111	375g	ET-63	–	LP1019	09/13	–
EF-S 24mm f2.8 STM	–	6/5	f22	7	0.16m	0.27x	52mm	68x23	125g	ES-52		LP811	11/14	£179.99
EF-S 35mm f2.8 Macro IS STM includes built-in Macro Lite	4	10/6	f32	7	0.13m	1x	49mm	69x56	190	ES-27	–	LP1014	05/17	£399.99
EF-S 60mm f2.8 Macro USM	–	12/8	f32	7	0.2m	1.0x	52mm[NR]	73x70	335g	ET-67B	–	LP1016	03/05	£539.99

* also available in white to match the EOS 100D (WHITE) camera

IS lenses Built-in gyros control an image stabiliser group of elements. These shift in response to movement and reduce the effects of camera shake. 'Stops' (first column in table) indicates the approximate advantage given by the lens; for example, 3 stops means that – with IS on – you can shoot with a shutter speed three stops slower than with IS off and obtain similar results in terms of image sharpness.

Will there be any more EF/EF-S/EF-M lenses? We have not seen any new EF lenses since December 2018. Some time ago, Canon said they were going to concentrate on RF lenses for EOS R-series cameras and there have been many RF lenses introduced since October 2018. Will there be any more EF lenses? We don't know. We have not seen any rumours suggesting a new EF lens is on the way. On the contrary, Canon has discontinued a large number of EF lenses, though admittedly most of these date back a long way. So should you consider buying a new EOS digital single-lens camera? "Why not?", is our answer. There are still current EF lenses available and, as photographers sell their EF lenses and move to mirrorless, there are plenty of good EF lens on the secondhand market.

Lenses and accessories in **BOLD** are current. Items without a price are discontinued, but will probably be available second-hand.

Non-zoom lenses

Wide apertures and high performance

Zooms have taken over the main lens market, leaving the non-zoom (prime) lenses to meet the demands of professional and high-end enthusiast users. As a general rule, prime lenses offer wider maximum apertures than zooms, making them attractive for sport, news and other low light situations. Most prime lenses also offer higher optical performance than most zoom lenses. See page 19 for guide to listings.

EF non-zoom (prime) lenses

The following lenses are among the best you can buy for your EOS camera. At the very least, you should consider the 'nifty fifty' – EF 50mm f1.8 STM – one of the least expensive lenses in the system.

	IS Stops	Const.	Min. Ap.	Bld.	Cl. foc.	Mag.	Filter	Size (mm)	Weight	Hood	Hard case	Pouch	Introd.	Price
EF 14mm f2.8L USM		13/10	f22	5	0.25m	0.1x	Gelatine	77x89	560g	Built-in	LHC13	LP1016	12/91	–
EF 14mm f2.8L II USM		14/11	f22	6	0.20m	0.15x	Gelatine	80x94	645g	Built-in	–	LP1016	09/07	–
EF 15mm f2.8 Fisheye		8/7	f22	5	0.20m	0.14x	Gelatine	73x62	330g	Built-in	LHPC10	LP814	04/87	–
EF 20mm f2.8 USM		11/9	f22	5	0.25m	0.14x	72mm[NR]	77x71	405g	EW75	LHD13	LP1214	06/92	£609.99
EF 24mm f1.4L USM		11/9	f22	7	0.25m	0.16x	77mm[NR]	83x77	550g	EW-83D	–	LP1214	09/97	–
EF 24mm f1.4L II USM		13/10	f22	8	0.25m	0.17x	77mm[NR]	93x87	650g	EW-83K	–	LP1319	11/08	£1669.99
EF 24mm f2.8		10/10	f22	6	0.25m	0.16x	58mm[NR]	67x48	270g	EW-60	LHB9	LP811	11/88	–
EF 24mm f2.8 IS USM	4	11/9	f22	7	0.20m	0.23x	58mm	68x56	280g	EW-65B	–	LP1014	02/12	–
EF 28mm f1.8 USM		10/9	f22	7	0.25m	0.18x	58mm[NR]	74x56	310g	EW-63	LHP-C10	LP814	09/95	£569.99
EF 28mm f2.8		5/5	f22	5	0.30m	0.13x	52mm[NR]	67x42	185g	EW-65	LHB9	LP1011	06/87	–
EF 28mm f2.8 IS USM	4	9/7	f22	7	0.23m	0.20x	58mm	68x51	260g	EW-65B	–	LP1014	02/12	£539.99
EF 35mm f1.4L USM		11/9	f22	8	0.30m	0.18x	72mm[NR]	79x86	580g	EW-78C	–	LP1214	11/98	–
EF 35mm f1.4L II USM		14/11	f22	9	0.28m	0.21x	72mm	80x105	760g	EW-77B	–	LP1219	10/15	£1799.99
EF 35mm f2		7/5	f22	5	0.25m	0.23x	52mm[NR]	67x42	210g	EW-65	LHB9	LP1011	10/90	–
EF 35mm f2 IS USM	4	10/8	f22	8	0.24m	0.24x	67mm	78x63	335g	EW-72	–	LP1116	01/13	–
EF 40mm f2.8 STM		6/4	f22	7	0.30m	0.18x	52mm	68x23	130g	ES-52	–	LP811	06/12	–
EF 50mm f1.0L USM		11/9	f16	8	0.95m	0.11x	72mm[NR]	91x81	985g	ES-79	LHD12	NONE	09/89	–
EF 50mm f1.2L USM		8/6	f16	8	0.45m		72mm[NR]	85x65	545g	ES-78	–	LP1214	09/06	£1559.99
EF 50mm f1.4 USM		7/6	f22	8	0.45m	0.15x	58mm[NR]	74x50	290g	ES-71	LHPC10	LP1014	06/93	£379.99
EF 50mm f1.8		6/5	f22	5	0.45m	0.15x	52mm[NR]	67x42	190g	ES-65	LHB8	LP1014	03/87	–
EF 50mm f1.8 II		6/5	f22	5	0.45m	0.15x	52mm[NR]	68x41	130g	ES-62AD	LHB9	LP1014	12/90	–
EF 50mm f1.8 STM		6/5	f22	7	0.35m	0.21x	49mm	69x39	159g	ES-68	–	LP1014	05/15	£129.99
EF 85mm f1.2L USM		8/7	f16	8	0.95m	0.11x	72mm[NR]	91x84	1025g	ES-79	LHD12	NONE	09/89	–
EF 85mm f1.2L II USM		8/7	f16	8	0.95m	0.11x	72mm[NR]	91x84	1025g	ES-79	–	LP1219	03/06	–
EF 85mm f1.4L IS USM	4	14/10	f22	9	0.85m	0.12x	77mm	87x105	950g	ET-83E	–	LP1219	11/17	£1569.99
EF 85mm f1.8 USM		9/7	f22	8	0.85m	0.13x	58mm[NR]	75x71	425g	ET-65	LHB12	LP1014	07/92	–
EF 100mm f2 USM		8/6	f22	8	0.90m	0.14x	58mm[NR]	75x73	460g	ET-65	LHB12	LP1014	10/91	–
EF 135mm f2L USM		10/8	f32	8	0.90m	0.19x	72mm[NR]	82x112	750g	ET-78	LHD16/2	LP1219	04/96	–
EF 135mm f2.8 Soft Focus		7/6	f32	6	1.30m	0.12x	52mm[NR]	69x98	390g	ET-65	LHB15	LP1016	10/87	–
EF 200mm f1.8L USM		12/10	f22	8	2.5m	0.09x	48mm[NR]	130x208	3000g	ET-123		–	11/88	–
EF 200mm f2L IS USM	5	17/12	f32	8	1.9m	0.12x	52mm drop-in	128x208	2520g	ET-120B	–	Case 200	04/08	–
EF 200mm f2.8L USM		9/7	f32	8	1.5m	0.16x	72mm[NR]	83x136	790g	Built-in	LHD18	–	12/91	–
EF 200mm f2.8L II USM		9/7	f32	8	1.5m	0.16x	72mm[NR]	83x136	765g	ET-83B	LHD181/2	LP1222	03/96	£779.99
EF 300mm f2.8L USM		10/8	f32	8	3m	0.11x	48mm[NR]	125x253	2855g	ET-118	CSEF30028	NONE	11/87	–
EF 300mm f2.8L IS USM	2	17/13	f32	8	2.5m	0.13x	52mm[NR]	128x252	2550g	ET-120	Case 300	–	07/99	–
EF 300mm f2.8L IS II USM	4	16/12	f32	9	2.0m	0.18x	52mm drop-in	128x248	2400g	ET-120(WII)	Case 300B	–	03/11	–
EF 300mm f4L USM		8/7	f32	8	2.5m	0.13x	77mm[NR]	90x213	1165g	Built-in	LHD26	LZ1128	12/91	–
EF 300mm f4L IS USM	2	15/11	f32	8	1.5m	0.24x	77mm[NR]	90x221	1190g	Built-in	LHD27	LZ1128	03/97	–
EF 400mm f2.8L USM		11/9	f32	8	4m	0.11x	48mm[NR]	167x348	6100g	ET-161B	Exclusive	–	04/91	–
EF 400mm f2.8L IS USM	2	17/13	f32	8	3.0m	0.15x	52mm[NR]	163x349	5300g	ET-155	Case 400	–	10/99	–
EF 400mm f2.8L II USM		11/9	f32	8	4m	0.11x	48mm[NR]	167x348	5910g	ET-161B		NONE	03/96	–
EF 400mm f2.8L IS II USM	4	16/12	f32	9	2.7m	0.17x	52mm drop-in	163x343	3850g	ET-155(WII)	Case 400C	–	03/11	£9999.99
EF 400mm f2.8L IS III USM	5	17/13	f32	9	2.5m	0.17x	52mm drop-in	163x343	2840g	ET-155(WIII)	Case LS400	–	12/18	£11999.99
EF 400mm f5.6L USM		7/6	f32	8	3.5m	0.11x	77mm[NR]	90x256	1250g	Built-in	LHD29	LZ1132	05/93	£1349.99
EF 400mm f4 DO IS USM	2	17/13	f32	8	3.5m	0.12x	52mm drop-in	128x233	1940g	ET-120	Case 400B	–	11/01	–
EF 400mm f4 DO IS II USM	4	18/12	f32	9	3.3m	0.13x	52mm drop-in	128x233	2100g	ET-120	Case 400D	–	11/14	–
EF 500mm f4L IS USM	2	17/13	f32	8	4.5m	0.12x	52mm[NR]	146x387	3870g	ET-138	Case 500	–	07/99	–
EF 500mm f4L IS II USM	4	16/12	f32	9	3.7m	0.15x	52mm drop-in	146x383	3190g	ET-138(WII)	Case 500B	–	mid/11	–
EF 500mm f4.5L USM		8/7	f32	9	5m	0.11x	48mm[NR]	139x390	3000g	ET-123B		NONE	03/92	–
EF 600mm f4L IS USM	2	17/13	f32	8	5.5m	0.12x	52mm[NR]	168x456	5300g	ET-160	Case 600	–	10/99	–
EF 600mm f4L IS II USM	4	16/12	f32	9	4.5m	0.15x	52mm drop-in	168x448	3920g	ET-160 (WII)	Case 600B	–	mid/11	£11299.00
EF 600mm f4L IS III USM	5	17/13	f32	9	4.2m	0.15x	52mm drop-in	168x448	3050g	ET-160 (WIII)	Case LS600	–	12/18	£12999.99
EF 600mm f4L USM		9/8	f32	8	6m	0.11x	48mm[NR]	167x456	6000g	ET-161		NONE	11/88	–
EF 800mm f5.6L IS USM	4	18/14	f32	8	6m	0.14x	52mm drop-in	163x461	4500g	ET-155	–	Case 800	05/08	–
EF 1200mm f5.6L USM		13/10	f32	8	14m	0.09x	48mm[NR]	228x836	16500g	Built-in	Exclusive	–	07/93	–

all 48mm filters are drop-in [R] and [NR] filter rotation (see Guide to Lens Charts on page 9)

Lenses and accessories in **BOLD** are current. Items without a price are discontinued, but will probably be available second-hand.

IS lenses Built-in gyros control an image stabiliser group of elements. These shift in response to movement and reduce the effects of camera shake. 'Stops' (first column in table) indicates the approximate advantage given by the lens; for example, 3 stops means that – with IS on – you can shoot with a shutter speed three stops slower than with IS off and obtain similar results in terms of image sharpness.

Macro lenses and accessories

Macro lenses provide life-size or greater magnifications, but also focus to infinity for general photography (except MP-E65mm f2.8 lens).

	Const.	Min. ap.	Bld.	Cl. foc.	Mag.	Filter	Size (mm)	Weight	Hood	Hard case	Pouch	Introd.	Price
EF 50mm f2.5 Macro	9/8	f32	6	0.23m	0.5x	52mm[NR]	67x63	280g	NONE	LHC10	LP814	12/87	–
Life-size Converter (for 50mm Macro lens)							35x68	160g	–	LHB8	ESC9	12/87	£289.99
EF-S 35mm f2.8 Macro IS STM includes built-in Macro Lite	10/6	f32	7	0.13m	1.0x	49mm	69x56	190g	ES-27	–	LP1014	05/17	–
EF-S 60mm f2.8 Macro USM	12/8	f32	7	0.2m	1.0x	52mm[NR]	73x70	335g	ET-67B	–	LP1016	03/05	–
EF 100mm f2.8 Macro	10/9	f32	8	0.31m	1.0x	52mm[NR]	75x105	650g	NONE	LHC16	LP816	04/90	–
EF 100mm f2.8 Macro USM	12/8	f32	8	0.31m	1.0x	58mm[NR]	79x119	600g	ET-67	–	LP1219	03/00	£469.99
EF 100mm f2.8L Macro IS USM	15/12	f32	9	0.30m	1.0x	67mm[NR]	78x123	625g	ET-73	–	LP1219	10/09	£959.99
EF 180mm f3.5L Macro USM	14/12	f32	8	0.48m	1.0x	72mm[NR]	82x187	1090g	ET-78	LH24C	LZ1324	04/96	–
MP-E 65mm f2.8 1-5x Macro	10/8	f16	6	0.24m	5.0x	58mm[NR]	81x98	730g	NONE	–	LP1216	09/99	£1249.99
Macro Lens Mount Converter FD-EOS	Allows FD mount close-up accessories, (i.e. Auto Bellows) to be attached to EOS cameras; no infinity focusing with FD lenses.												–
Extension Tube EF12							66x12	66g					–
Extension Tube EF12 II							66x12	66g					£79.99
Extension Tube EF25							68x27	125g					–
Extension Tube EF25 II							66x27	95g					£159.99

Tilt and shift lenses

These lenses can be tilted at an angle to the camera body and the lens axis can be shifted away from the centre of the frame. This allows you to correct the converging vertical lines of buildings and manipulate depth-of-field independently of the lens aperture. TS-E lenses are EF mount, but manual focus only.

	Const.	Min. ap.	Bld.	Cl. foc.	Mag.	Filter	Size (mm)	Weight	Hood	Hard case	Pouch	Introd.	Price
TS-E 17mm f4L	18/12	f22	8	0.25m	0.14x	77mm[NR]	89x107	820g	–	–	LP1219	05/09	£2249.99
TS-E 24mm f3.5L	11/9	f22	8	0.3m	0.14x	72mm[NR]	78x86	570g	EW-75B	LHD14	LP1216	04/91	–
TS-E 24mm f3.5L II	16/11	f22	8	0.21m	0.34x	82mm[NR]	88x107	780g	EW-88B	–	LP1319	05/09	£1999.99
TS-E 45mm f2.8	10/9	f22	8	0.4m	0.16x	72mm[NR]	81x90	645g	EW-79B	LHD14	LP1216	04/91	–
TS-E 50mm f2.8L Macro	12/9	f32	9	0.273m	0.50x	77mm	87x115	945g	ES-84	–	LP1219	11/17	£2499.99
TS-E 90mm f2.8	6/5	f32	8	0.5m	0.29x	58mm[NR]	74x88	565g	ES-65	LHD14	LP1016	04/91	–
TS-E 90mm f2.8L Macro	11/9	f45	9	0.39m	0.50x	77mm	87x116	915g	ES-84	–	LP1219	11/17	£2499.99
TS-E 135mm f4L Macro	11/7	f45	9	0.486m	0.50x	82mm	88x139	1110g	ET-88	–	LP1424	11/17	£2499.99
Tripod adapter	Allows camera with TS-E lens fitted to be attached to a tripod												–

EF Extenders

Extender is Canon's name for a teleconverter. These high performance Extenders multiply the effective focal length of the lens to which they are attached by x2 or x1.4. However, they have the disadvantage of reducing the effective aperture of the lens by 2 stops or 1 stop respectively. Extenders are only suitable for certain lenses (see below). They will not fit other EF lenses (the front elements of the Extenders get in the way of the rear elements of the lenses. The Mk III versions complement the latest range of L-series lenses, matching their appearance and offering a visible difference to previous models. A carefully positioned lens release mechanism also makes it easy to mount the Extenders quickly, reducing the time that the camera and lens are exposed to the environment. The Extenders are highly resistant to both dust and water, allowing photographers to use them in extreme shooting conditions.

	Const.	Size(mm)	Weight	Case	Pouch	Introd.	Price
Extender EF 2x	7/5	68x50	240g	LHPB9	LP811	1988	–
Extender EF 1.4x	5/4	68x23	200g	LHB9	LP811	1988	–
Extender EF 2x Mk II	7/5	72x58	265g	–	LP811	04/01	–
Extender EF 1.4x Mk II	5/4	72x27	220g	–	LP811	04/01	–
Extender EF 2x Mk III	9/5	72x52	325g	–	LP811	12/10	£449.99
Extender EF 1.4x Mk III	7/3	72x27	225g	–	LP811	12/10	£449.99

Compatible lenses include:

EF 70-200mm f2.8L IS USM
EF 70-200mm f2.8L IS II USM
EF 70-200mm f2.8L USM
EF 70-200mm f4L IS USM
EF 70-200 mm f4L USM
EF 100-400mm f4.5-5.6L IS USM
EF 100-400mm f4.5-5.6L IS II USM
EF 200-400mm f4L IS USM Ext. 1.4x
EF 135mm f2L USM
EF 180mm f3.5L Macro USM
EF 200mm f1.8L USM
EF 200mm f2L IS USM
EF 200mm f2.8L II USM
EF 300mm f2.8L USM
EF 300mm f2.8L IS USM
EF 300mm f2.8L IS II USM
EF 300mm f4L USM
EF 300mm f4L IS USM
EF 400mm f2.8L USM
EF 400mm f2.8L II USM
EF 400mm f2.8L IS USM
EF 400mm f2.8L IS II USM
EF 400mm f2.8L IS III USM
EF 400mm f4 IS DO USM
EF 400mm f4 DO IS II USM
EF 400mm f5.6L USM
EF 500mm f4L IS USM
EF 500mm f4L IS II USM
EF 500mm f4.5L USM
EF 600mm f4L USM
EF 600mm f4L IS USM
EF 600mm f4L IS II USM
EF 600mm f4L IS III USM
EF 800mm f5.6L IS USM
EF 1200mm f5.6L USM
TS-E 17mm f4L TS-E 24mm f3.5L
TS-E 45mm f2.8 TS-E 90mm f2.8

Compatible means that the Extender can be attached to the lens. Autofocus and image stabilisation may not work with some lens and Extender combinations on some camera bodies.

Which cameras maintain autofocus with Extenders?

Most EOS cameras will not autofocus if the maximum aperture of a lens drops below f5.6. A lens with a maximum aperture of f4, for example, drops to a maximum aperture of f8 when a 2x Extender is attached. However, some EOS cameras will autofocus with a maximum aperture of f8. These models include: EOS-1D, 1D Mark II, 1D Mark II N, 1D Mark III, 1D Mark IV, 1D X, 1D X Mark II, 1Ds, 1Ds Mark II, 1Ds Mark III, 5D Mark III, 5D Mark IV, 5DS, 5DS R, 6D Mark II, 7D Mark II, 77D, 80D, 90D, 800D and 850D. Some of these cameras only work with the centre AF point at f8, but others can use multiple AF points, depending on the lens.

The EOS R and RP models go one stop further and will retain autofocusing with an effective maximum aperture of f11 – an f5.6 lens with a 2x Extender, for example..

Tripod mount rings

A tripod mount ring is a collar which encircles and grips the barrel of a lens. The base of the ring has a built-in tripod bush. Rings are available for some of the longer EF lenses, allowing you to fit the tripod under the lens rather than under the camera. This gives a better balance to the set-up, reducing the risk of the weight of the lens tilting the camera forwards.

Tripod Mount Ring A II/W
£139.99
White, handcuff type for
EF 70-200mm f4L USM

Tripod Mount Ring A II/B
£139.99
Black, handcuff type for
EF 80-200mm f2.8L
EF 200mm f2.8L USM
EF 200mm f2.8L II USM

Tripod Mount Ring C/WII
£159.99
White, handcuff type for
EF 70-300mm f4-5.6L IS USM

Tripod Mount Ring D £139.99
Black, handcuff type for
EF 100mm f2.8L IS USM Macro

Tripod Mount Ring with USM Adapter £159.99
Black, puzzle type for
MP-E 65mm f2.8
EF 100mm f2.8 USM Macro

Mount adapters

Lens Mount Converter FD-EOS
Allows Canon FD mount lenses to be used on EOS cameras (autofocus does not operate). A lens element in the converter enables infinity focusing with FD lenses.

Macro lens Mount Converter FD-EOS
Allows FD mount close-up accessories, such as the Auto Bellows, to be used on EOS cameras. Does not include a lens element so infinity focusing is not possible if attached to FD lenses.

Lens accessories

Small essentials for better pictures

Close-up lenses offer an easy and relatively inexpensive way to increase the close-focusing distance magnification of your lens. They can be used with any lens, but are particularly effective with longer focal lengths. Extension tubes are better with shorter focal lengths. Digital photography has reduced the need for filters, but neutral density and polarising filters are still worth carrying if you enjoy landscape photography.

Close-up lenses

Close-up lenses screw to the filter mount of the lens to give a magnified image.

52mm Type 250D £79.99
52mm Type 500D £79.99
52mm Type 500
58mm Type 250D £109.99
58mm Type 500D £99.99
58mm Type 500
72mm Type 24
72mm Type 500D £149.99
72mm Type 500
77mm Type 500D £179.99
77mm Type 500
52mm Type 240
52mm Type 450
58mm Type 240
58mm Type 450
58mm Type 450
72mm Type 240

500 = 2 dioptres; 450 = 2.2 dioptres
250 = 4 dioptres; 240 = 4.2 dioptres
The higher the dioptre rating, the more powerful the lens. The 'D' suffix indicates a double element construction, giving higher quality results. Type 240 and 450 close-up lenses were introduced for the long-discontinued FD series of lenses, but are compatible with EF lenses.

Extension tubes

Extension tubes fit between the lens and the camera body, allowing the lens to focus closer than normal. The original tubes are only compatible with EF lenses. The Mark II versions are compatible with EF and EF-S lenses. The number indicates the length of the tube in millimetres. The longer tube gives greater magnification.

Extension Tube EF12
Extension Tube EF12 II £79.99
Extension Tube EF25
Extension Tube EF25 II £159.99

Filters

Circular polarising
52mm: £109.99 58mm: £109.99
67mm: £169.99 72mm: £179.99
77mm: £199.99
48mm drop-in: £199.99
52mm drop-in: £199.99
52mm drop-in II: £219.99
Neutral density
x8 - 52mm: £39.99 58mm: £39.99
72mm: £79.99
x4 - 52mm: £39.99 58mm: £39.99
72mm: £79.99
Regular protect
49mm: £29.99 52mm: £29.99
58mm: £29.99 67mm: £49.99
72mm: £49.99 77mm: £59.99
82mm: £79.99
Softmat 2
58mm
Drop-in Gelatin Filter Holder
48mm: £89.99 52mm: £99.99
52mm II: £109.99
Drop-in Screw Filter Holder
48mm: £89.99 52mm: £99.99
52mm II: £109.99
Version II items are for 300, 400, 500, 600 f4 IS II USM lenses

Lens cases

Code for diameters: A=69mm, B=77mm, C=82 or 84mm, D=96mm.
LHA 17 (length 17.1cm)
LHB 8 (length 7.7cm)
LHB 9 (length 8.8cm)
LHBP 9 (length 8.8cm)
LHB 12 (length 8.8cm) for EF 50mm f1.0
LHB 15 (length 14.9cm)
LHC 13 (length 12.9cm)
LHC 19 (length 18.5cm)
LHD 11 for EF 20-35mm f3.5-5.6 USM
LHD 12 (length 12.3cm)
LHD 13 (length 12.9cm)
LHD 14 for TS-E lenses
LHD 16/2 for EF 28-70mm f2.8L USM
LHD 18/2 for EF 200mm f2.8L USM II
LHD 22 (length 22.8cm)
LHD 23 (length 22.2cm)
LHD 24 (length 24cm)
LHD 24B for EF 70-200mm f2.8L USM
LHD 27 for EF 300mm f4L IS USM
LH 29 for EF 400mm f5.6L

Lens cases, special

Case 200 (for EF 200mm f2L IS USM) £419.99
Case 300 (for EF 300mm f2.8L IS USM) £389.99
Case 300B (for EF 300mm f2.8L II IS USM) £429.99
Case 400 (for EF 400mm f2.8L IS USM) £549.99
Case 400B (for EF 400mm f4 DO IS USM) £419.99
Case 400C (for EF 400mm f2.8L II IS USM) £579.99
Case 400D (for EF 400mm f4 DO IS II)
Case LS400 (for EF 400mm f2.8L III IS USM) £tbc
Case 500 (for EF 500mm f4L IS USM) £549.99
Case 500B (for EF 500mm f4L IS II USM) £649.99
Case 600 (for EF 600mm f4L IS USM) £609.99
Case 600B (for EF 600mm f4L IS II USM) £649.99
Case 600C (for EF 600mm f4L IS III USM) £tbc
Case 800 (for EF 800mm f5.6L IS USM) £729.99

Lens pouches

LP-811 £29.99
RF 28mm f2.8 STM
EF 24mm f2.8, EF 40mm f2.8 STM, EF-S 24mm f2.8 STM, EF-M 15-45mm f3.5-6.3 IS STM,
EF-M 28mm f3.5 Macro IS STM, EF2x, EF1.4x, EF25, EFCON

LP-814 £29.99
short zooms, e.g. EF 35-80mm, RF-S 18-45mm

LP-816
EF 100mm f2.8, EF-M 18-150mm f3.5-6.3 IS STM, EF-M 55-200mm f4.5-6.3 IS STM

LP-1011 £29.99
EF 28mm f2.8, EF 35mm f2

LP-1014 £29.99
short primes e.g. EF 50mm f1.4, EF 50mm f1.8 STM, EF-S 35mm f2.8 Macro IS STM, EF-M 32mm f1.4 STM, RF 50mm f1.8 STM, RF 16mm f2.8 STM, RF 24-50mm

LP-1016 £29.99
EF 14mm f2.8, EF 135mm f2.8,
EF-S 18-55mm f4-5.6 IS STM, TS-E 90mm f2.8, EF 55-200mm, RF35mm f1.8 IS Macro STM,
RF 24mm f1.8 Macro IS STM, RF-S 18-150mm
RF-S 55-210mm f5-7.1 IS STM

LP-1019 £29.99
EF 75-300mm II, EF 75-300mm II USM, EF 100-300mm USM

LP-1022 £29.99
EF 75-300mm IS USM

LP-1116 £29.99
EF 28-135mm IS USM, EF 28-200mm f3.5-5.6, EF-S 10-18mm f4.5-5.6 IS STM,
EF-S 18-135mm f3.5-5.6 IS STM
RF 24-105mm f4-7.1 IS STM,
RF 15-30mm f4.5-6.3 IS STM

LP-1214 £29.99
EF 24mm f1.4, EF 35mm f1.4L, EF 20mm f2.8, EF 20-35mm f3.5-4.5

LP-1216 £29.99
TS-E 24mm, TS-E 45mm, EF 50mm f1, EF 85mm f1.2, EF 17-35mm f2.8, MP-E 65mm,
RF 85mm f2 Macro IS STM

LP-1219 £29.99
EF 16-35mm f4L IS USM, EF 24-70mm f2.8, EF 24-105mm f4L IS II USM, EF 24-105mm f3.5-5.6 IS STM, EF 28-70mm f2.8L,
EF 35mm f1.4L II USM, EF 85mm f1.2,
EF 85mm f1.4L IS USM, EF 100mm f2.8 Macro,
EF 135mm f2.0, EF-S 17-55mm IS, TS-E 17mm,
TS-E 50mm f2.8L Macro, TS-E 90mm f2.8L Macro,
RF 24-240 f4-6.3 IS USM, RF 14-35mm f4L IS USM

LP-1222 £29.99
EF 16-35mm f2.8L III USM, EF 70-300mm f4-5.6 IS II USM, EF 200mm f2.8L USM, EF 200mm f2.8L II USM,
RF 15-35mm f2.8L IS USM, RF 24-70mm f2.8L IS USM,
RF 100mm f2.8L Macro IS USM

LP-1224 £29.99
EF 70-200mm f4L USM, EF 70-200mm f4L IS II USM,
RF 100-400 f5.6-8 IS USM

LP-1319 £29.99
EF 16-35mm, EF 17-40mm, TS-E 24mm II,
RF 50mm f1.2L USM, RF 135mm f1.8L IS USM,
RF 24-105mm f4L IS USM. RF 70-200mm f4L IS USM,

LP-1424 £39.99
EF 11-14mm f4L USM, EF 70-300mm f4-5.6L IS USM, TS-E 135mm f4L Macro, RF 85mm f1.2L USM,
RF 85mm f1.2L USM DS, RF 28-70mm f1.2L USM,
RF 70-200mm f2.8L IS USM

LS100-300 £tbc
EF 100-300mm f2.8L IS USM

LS400 £259.99
EF 400mm f2.8L IS USM, EF 400mm f2.8L II USM,
EF 400mm f2.8L IS III USM, RF 400mm f2.8L IS USM

LS600 £299.99
EF 600mm f4L IS USM, EF 600mm f4L IS II USM,
EF 600mm f4L IS III USM, EF 400mm f2.8L IS USM,
EF 400mm f2.8L IS II USM, RF 600mm f4L IS USM
RF 800mm f5.6L IS USM

LS1200 £tbc
RF 1200 f8L IS USM,

LZ-1128 £49.99
EF 300mm f4.0, EF 300mm f4.0L IS USM

LZ-1132
EF 400mm f5.6L USM

LZ-1324 £49.99
EF 35-350mm, EF 100-400mm f4.5-5.6L IS USM,
EF 180mm f3.5L USM, EF 70-200mm f2.8L

LZ-1326 £45.99
EF 70-200mm f2.8L IS II, EF 70-200mm f2.8L IS III USM,
EF 100-400mm f4.5-5.6L IS II USM

LZ-1328
RF 600mm f11 IS STM, RF 100-500mm f4.5-7.1 IS USM

LZ-1435
RF 800mm f11 IS STM

Lens straps

Neck strap 19
for EF 300mm f2.8L

Wide Strap £29.99
for super telephoto IS lenses

Wide Strap B
£39.99
for super telephoto IS lenses, version II

Rain hoods

Rainhood/M
for EF 200mm and 300mm

Rainhood/L
for EF 400mm, 500mm and 600mm

Designed for use with large telephoto lenses on the EOS 1N and 1V, but very flexible and can be used with most lenses and cameras. However, the hoods have a fitting which slips over the viewfinder eyepiece and this is not suitable for the EOS 3/30/33/5/50E. See EOS magazine, June 2000, page 52 for review and alternative rain protection.

Power Zoom Adapter

£129.99

The EF-S 18-135mm f3.5-5.6 IS USM includes electrical contacts and a gear underneath the body to enable compatibility with the new Power Zoom Adapter PZ-E1. This allows the zoom to be operated smoothly at slow or fast speeds via the zoom lever. The zoom can also be controlled remotely by Wi-Fi when used with compatible EOS camera bodies (currently only the EOS 80D) and smart devices running Canon's Camera Connect app or via PCs/Macs running the supplied EOS Utility software.

The obvious use of the PZ-E1 is for smooth zooms when making movies, but the Wi-Fi operation also makes the unit attractive for wildlife shooting – you can zoom the lens in or out on a remote camera while viewing the image on a handheld tablet or smartphone, or on a computer monitor.

Lens hoods

Small essentials for better pictures

Lens flare spoils many pictures. Even when it does not show as a streak across the image, it can cause overall loss of contrast. Flare is caused by light from bright sources, such as the sun or spotlights, hitting the front element of the lens at an angle. This sets off a series of unwanted internal reflections and refractions. A good lens hood protects the front of the lens from this side lighting.

ES-22 £27.99
EF-M 28mm f3.5 Macro IS STM
ES-27 £63.99
EF-S 35mm f2.8 Macro IS STM
ES-52 £19.99
EF 40mm f2.8 STM
EF-S 24mm f2.8 STM,
ES-60 £31.99
EF-M 32mm f1.4 STM
ES-62AD £19.99
EF 50mm f1.8 II
ES-65 III £29.99
EF 50mm f1.8
TS-E 90mm f2.8
ES-65B £34.99
RF 50mm f1.8 STM
ES-68 £19.99
EF 50mm f1.8 STM
ES-71 II £29.99
EF 50mm f1.4 USM
ES-78 £26.99
EF 50mm f1.2L USM
ES-79 II £49.99
EF 80-200mm f2.8L
EF 50mm f1L USM
EF 85mm f1.2L USM
EF 85mm f1.2L II USM
ES-83 £49.99
RF 50mm f1.2L USM
ES-84 £53.99
TS-E 50mm f2.8L Macro
TS-E 90mm f2.8L Macro
ET-54 £19.99
EF 55-200mm f4.5-5.6 USM
EF 55-200mm f4.5-5.6 II USM
EF 80-200mm f4.5-5.6
EF 80-200mm f4.5-5.6 II
EF 80-200mm f4.5-5.6 USM
ET-54B £14.99
EF-M 55-200mm f4.5-6.3 IS STM
ET-60 £19.99
EF 75-300mm f4-5.6
EF 75-300mm f4-5.6 USM
EF 75-300mm f4-5.6 II
EF 75-300mm f4-5.6 II USM
EF 75-300mm f4-5.6 III
EF 75-300mm f4-5.6 III USM
EF 90-300mm f4-5.6
EF 90-300mm f4-5.6 USM
EF-S 55-250mm f4-5.6 IS
ET-60B £19.99
RF-S 55-210mm f5-7.1 IS STM
ET-62 II
EF 50-200mm f3.5-4.5
EF 50-200mm f3.5-4.5L
EF 70-210mm f4
EF 100-200mm f4.5
EF 100-300mm f5.6
EF 100-300mm f5.6L
ET-63 £12.99
EF-S 55-250mm f4-5.6 IS STM
ET-64 II £29.99
EF 75-300mm f4-5.6 IS USM
ET-65 III £24.99
EF 85mm f1.8 USM
EF 100mm f2 USM
EF 135mm f2.8 SF
EF 75-300mm f4-5.6
EF 70-210mm f3.5-4.5 USM
EF 100-300mm f4.5-5.6 USM
ET-65B £39.99
EF 70-300mm f4-5.6 IS USM
EF 70-300mm f4.5-5.6 DO IS USM
ET-67 £39.99
EF 100mm f2.8 Macro USM
ET-67B £29.99
EF-S 60mm f2.8 Macro USM
ET-73 £39.99
EF 100mm f2.8L IS Macro USM
ET-73B £49.99
EF 70-300mm f4-5.6L IS USM
ET-73C £44.99
RF 100mm f2.8L Macro IS USM
ET-74 £39.99
EF 70-200mm f4L USM
EF 70-200mm f4L IS USM
ET-74B £76.99
EF 70-300mm f4-5.6 IS II USM,
RF 100-400mm f5.6-8 IS USM
ET-77 £58.99
RF 85mm f2 Macro IS STM
ET-78 II £39.99
EF 135mm f2L USM
EF 180mm f3.5L Macro USM
ET-78B £45.99
EF 70-200mm f4L IS II USM
ET-83 II £49.99
EF 70-200mm f2.8L USM
ET-83B II £39.99
EF 200mm f2.8L II USM
ET-83C £49.99
EF 100-400mm f4.5-5.6L IS USM
ET-83D £54.99
EF 100-400mm f4.5-5.6L IS II USM
ET-83E £53.99
EF 85mm f1.4L IS USM
ET-83F (WIII) £94.99
RF 70-200mm f2.8L IS USM
RF 100-500mm f4.5-7.1 IS USM
ET-83G £41.99
RF 70-200mm f4L IS USM
ET-86 £36.99
EF 70-200mm f2.8L IS USM
ET-87 £55.99
EF 70-200mm f2.8L IS II USM
ET-88 £50.99
TS-E 135mm f4L Macro
EF 70-200mm f2.8L IS III USM
ET-88B £58.99
RF 135mm f1.8L IS USM
RF 600mm f11 IS STM
ET-89 £69.99
RF 85mm f1.2L USM
RF 85mm f1.2L USM DS
ET-101 £58.99
RF 800mm f11 IS STM
ET-118
EF 300mm f2.8L USM
ET-120 £409.99
EF 300mm f2.8L IS USM
EF 300mm f2.8L IS II USM
EF 400mm f4 DO IS USM
EF 400mm f4 DO IS II USM
ET-120B £619.99
EF 200mm f2L IS USM
ET-120 II £499.99
EF 300mm f2.8L II IS USM
ET-123
EF 200mm f1.8L USM
ET-123B
EF 500mm f4.5L USM
ET-124
RF 100-300mm f2.8L IS USM
ET-138 £509.99
EF 500mm f4L IS USM
EF 500mm f4L IS II USM
ET-138 II £629.99
EF 500mm f4L IS II USM
ET-155 £639.99
EF 400mm f2.8L IS USM
EF 800mm f5.6L IS USM
ET-155 (WIII) £719.99
EF 400mm f2.8L IS II USM
EF 400mm f2.8L IS III USM
RF 400mm f2.8L IS USM
RF 800mm f5.6L IS USM
ET-155B £539.99
Short hood for
RF 400mm f2.8L IS USM
RF 800mm f5.6L IS USM
ET-160 £669.99
EF 600mm f4L IS USM
EF 600mm f4L IS II USM
ET-160 II £699.99
EF 600mm f4L IS II USM
ET-160 (WIII) £779.99
EF 600mm f4L IS II USM
EF 600mm f4L IS III USM
RF 600mm f4L IS USM
RF 1200mm f8L IS USM
ET-160B £779.99
Short hood for
RF 600mm f4L IS USM
RF 1200mm f8L IS USM
ET-161 III
EF 600mm f4L USM
ET-161B
EF 400mm f2.8L USM
EF 400mm f2.8L II USM
EW-43 £24.99
EF-M 22mm f2 STM
EW-52 £25.99
RF 35mm f1.8 Macro IS STM
EW-53 £14.99
EF-M 15-45mm f3.5-6.3 IS STM
RF-S 18-45mm f4.5-6.3 IS STM
EW-54 £14.99
EF-M 18-55mm f3.5-5.6 IS STM
EW-54 II
EF 35-80mm f4-5.6 II
EF 35-80mm f4-5.6 III
EF 35-80mm f4-5.6 USM
EF 38-76mm f4.5-5.6
EF 55-200mm f4.5-5.6 USM
EF 55-200mm f4.5-5.6 II USM
EW-55 £tbc
RF 28mm f2.8 STM
EW-60 II £29.99
EF 24mm f2.8
EW-60B
EF 28-105mm f4-5.6
EF 28-105mm f4-5.6 USM
EF 35-105mm f4.5-5.6 USM
EW-60C £19.99
EF 28-80mm f3.5-5.6
EF 28-80mm f3.5-5.6 II
EF 28-80mm f3.5-5.6 II USM
EF 28-80mm f3.5-5.6 III USM
EF 28-80mm f3.5-5.6 IV USM
EF 28-80mm f3.5-5.6 V USM
EF 28-90mm f4-5.6
EF 28-90mm f4-5.6 USM
EF 28-90mm f4-5.6 II
EF 28-90mm f4-5.6 II USM
EF 28-90mm f4-5.6 III
EF-S 18-55mm f3.5-5.6
EF-S 18-55mm f3.5-5.6 II
EF-S 18-55mm f3.5-5.6 IS
EF-S 18-55mm f3.5-5.6 IS II
EW-60D
EF 22-55mm f4-5.6 USM
EW-60E £13.99
EF-M 11-22mm f4-5.6 IS STM
EW-60F
EF-M 18-150mm f3.5-6.3 IS STM
RF-S 18-150mm f3.5-6.3 IS STM
EW-62 £19.99
EF 35-80mm f4-5.6
EF 35-135mm f4-5.6 USM
EW-63 II £19.99
EF 28-105mm f3.5-4.5 USM
EF 28-105mm f3.5-4.5 II USM
EF 28mm f1.8 USM
EW-63B £19.99
EF 28-105mm f4-5.6
EF 28-105mm f4-5.6 USM
EW-63C £18.99
EF-S 18-55mm f3.5-5.6 IS STM
EF-S 18-55mm f4-5.6 IS STM
RF 24-50mm f4.5-6.3 IS STM
EW-65 II £19.99
EF 28mm f2.8
EF 35mm f2
EW-65B £49.99
EF 24mm f2.8 IS USM
EF 28mmm f2.8 IS USM
RF 24mm f1.8 Macro IS STM
EW-65C £24.99
EF 16mm f2.8 STM
EW-68A £29.99
EF 28-70mm f3.5-4.5
EF 28-70mm f3.5-4.5 II
EF 28-80mm f3.5-5.6 USM
EW-68B
EF 35-70mm f3.5-4.5
EF 35-70mm f3.5-4.5 A
EF 35-105mm f3.5-4.5
EF 35-105mm f4.5-5.6
EF 35-135mm f3.5-4.5
EW-72 £45.99
EF 35mm f2 IS USM
EW-73 II £19.99
EF 24-85mm f3.5-4.5 USM
EF 24-85mm f3.5-4.5 MS USM
EW-73E £tbc
RF 15-30mm f4.5-6.3 IS STM
EW-73B £29.99
EF-S 18-135mm f3.5-5.6 IS
EF-S 17-85mm f4-5.6 IS USM
EW-73C £24.99
EF-S 10-18mm f4.5-5.6 IS STM
EW-73D £49.99
EF-S 18-135mm f3.5-5.6 IS USM
RF 24-105mm f4-7.1 IS STM
EW-75 II £49.99
EF 20-35mm f2.8L
EF 20mm f2.8 USM
EW-75B
EF 35mm f1.4L II USM
EW-75B II £29.99
TS-E 24mm f3.5L
EW-77 £49.99
EF 8-15mm f4L USM
EW-77B £47.99
EF 35mm f1.4L II USM
EW-78 II £49.99
EF 35-350mm f3.5-5.6L USM
EW-78B II £29.99
EF 28-135mm f3.5-5.6 IS USM
EW-78C £49.99
EF 35mm f1.4L USM
EW-78D £49.99
EF-S 18-200mm f3.5-5.6 IS
EF 28-200mm f3.5-5.6
EF 28-200mm f3.5-5.6 USM
EW-78E £39.99
EF-S 15-85mm f3.5-5.6 IS USM
EW-78F £34.99
RF 24-240mm f4-6.3 IS USM
EW-79 £37.99
EF 28-80mm f2.8-4L USM
EW-79B II £28.99
TS-E 45mm f2.8
EW-82 £49.99
EF 16-35mm f4L IS USM
EW-83 II £29.99
EF 20-35mm f3.5-4.5 USM
EW-83B II £39.99
EF 28-70mm f2.8L USM
EW-83C II £39.99
EF 17-35mm f2.8L USM
EW-83D II £49.99
EF 24mm f1.4L USM
EW-83E £39.99
EF-S 10-22mm f3.5-4.5 USM
EF 16-35mm f2.8L USM
EF 17-40mm f4L USM
EW-83F £49.99
EF 24-70mm f2.8L USM
EW-83G £49.99
EF 28-300mm f3.5-5.6L IS USM
EW-83H £49.99
EF 24-105mm f4L IS USM
EW-83J £49.99
EF-S 17-55mm f2.8 IS USM
EW-83K £49.99
EF 24mm f1.4L II USM
EW-83L £46.99
EF 24-70mm f4L IS USM
EW-83M £29.99
EF 24-105mm f3.5-5.6 IS STM
EF 24-105mm f4L IS II USM
EW-83N £44.99
RF 24-105mm f4L IS USM
EW-83P £59.99
RF 14-35mm f4L IS USM
EW-88B £39.99
TS-E 24mm f3.5L II
EW-88C £54.39
EF 24-70mm f2.8L II USM
EW-88D
EF 16-35mm f2.8L III USM
EW-88E £36.99
EF 16-35mm f2.8L II USM,
RF 24-70mm f2.8L IS USM,
EW-88F £80.99
RF 15-35mm f2.8L IS USM
EW-103 £65.49
RF 28-70mm f2L USM,
RF 28-70mm f1.2L USM

• Roman numerals indicate later versions of the hood; earlier versions are not listed. Later versions usually have an improved anti-reflective coating on the inside.

EW-54 lens hood

Accessories without a price have been discontinued, but will probably be available second-hand.

Lens and body caps
Protection for lenses and cameras

The exposed front element of a lens is susceptible to dust, dirt and scratches. When not in use, a front lens cap offers simple but effective protection. A rear lens cap protects the rear element when the lens is not attached to a camera. When no lens is attached to the camera, a body cap stops dust and dirt from reaching the exposed mirror or sensor.

Caps for front of lens

E8-15 £19.99
for EF 8-15mm f4L USM

E11-24 £17.99
for EF 11-14mm f4L USM

E14 £9.99
for EF 14mm f2.8L II USM

E17 £39.99
for TS-E 17mm f4L

E43 £4.99
for EF-M 22mm f2 STM
for EF-M 32mm f1.4 STM

E49 £4.49
for EF and RF lenses with 49mm filter mount

E52 II £9.99
for EF and RF lenses with 52mm filter mount

E52U
for EF lenses with 52mm filter mount

E55 £4.99
for EF and RF lenses with 55mm filter mount

E58 II £9.99
for EF and EF-S lenses with 58mm filter mount

E67 II £9.99
for EF-S and RF lenses with 67mm filter mount

E67U
for EF 24-85mm f3.5-4.5 USM

E72 II £9.99
for RF and EF lenses with 72mm filter mount

E72U £9.99
for EF lenses with 72mm filter mount

E73 £19.99
for EF 15mm f2.8

E77 II £5.99
for EF, TS-E and RF lenses with 77mm filter mount

E77U
for EF lenses with 77mm filter mount

E82 £9.99
for TS-E 24mm f3.5L II

E82 II £5.99
for EF, TS-E and RF lenses with 82mm filter mount

E82U
for EF 16-35mm f2.8L II USM

E95
for RF lenses with 95mm filter mount

E112
for RF lenses with 112mm filter mount

E137
for EF 300mm f2.8L

E145 £79.99
for EF 300mm f2.8L IS USM

E145B £109.99
for EF 200mm f2L IS USM

E145C £79.99
for EF 300mm f2.8L IS II USM
for EF 400mm f4 DO IS II USM
EF 200-400mm f4L IS USM Ext. 1.4x

E162
for EF 200mm f1.8L

E163 £109.99
for EF 500mm f4L IS USM

E163B £99.99
for EF 500mm f4L IS II USM

E130
for EF 500mm f4.5L

E180C £109.99
for EF 400mm f2.8 L IS USM

E180D £109.99
for EF 400mm f2.8L IS II USM

E180E £94.49
for EF 400mm f2.8L IS II USM
for EF 400mm f2.8L IS III USM
for RF 400mm f2.8L IS USM

E185
for EF 600mm f4L IS USM

E185B £99.99
for EF 600mm f4L IS II USM

E185C £94.49
for EF 600mm f4L IS II USM
for EF 600mm f4L IS III USM
RF 600mm f4L IS USM

EF-M28
EF-M 28mm f3.5 Macro IS STM

EF-S35 £11.99
EF-S 35mm f2.8 Macro IS STM

Rear lens caps

Lens Dust Cap E £4.99
(for rear of EF and EF-S lenses)

Lens Dust Cap EB £6.99
(for rear of EF-M lenses)

Lens Dust Cap RF £6.99
(for rear of RF and RF-S lenses)

Extender Cap EII £9.99

Lens Cap E77 II

Lens Dust Cap E

Body caps

Body Cap RF3 £4.99
(for EOS DSLR and SLR)

Body Cap RF4 £4.99
(for EOS M series)

Body Cap RF5 £2.99
(for EOS R series)

Accessories without a price have been discontinued, but will probably be available second-hand.

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Lens firmware
Correct errors and improve features

Some lenses feature firmware which can be updated by the user. This allows corrections and improvements to be made without the need to return the lens to Canon. Only lenses with a firmware update available are listed here. You can download the firmware and instructions from: canon-europe.com/support

RF lenses

RF 35mm f1.8 Macro IS STM
Firmware version 2.0.2 (10 Jul 2020)
Adds core functionality to the lens image stabilisation (IS) features to enable the lens to work together with the new in-body image stabilisation (IBIS) system introduced with the EOS R5 and R6 cameras.

RF 50mm f1.2L USM
Firmware version 1.0.5 (4 Nov 2020)
Reduces image noise when performing high sensitivity shooting with the lens attached to the EOS C70 camera.

RF 15-35mm f2.8L IS USM
Firmware version 1.0.7 (10 Jul 2020)
Adds core functionality to the lens image stabilisation (IS) features to enable the lens to work together with the new in-body image stabilisation (IBIS) system introduced with the EOS R5 and R6 cameras.

RF 24-70mm f2.8L IS USM
Firmware version 1.0.7 (10 Jul 2020)
Adds core functionality to the lens image stabilisation (IS) features to enable the lens to work together with the new in-body image stabilisation (IBIS) system introduced with the EOS R5 and R6 cameras.

RF 24-105mm f4L IS USM
Firmware version 2.0.6 (10 Jul 2020)
Adds core functionality to the lens image stabilisation (IS) features to enable the lens to work together with the new in-body image stabilisation (IBIS) system introduced with the EOS R5 and R6 cameras.

RF 24-105mm f4-7.1 IS STM
Firmware version 2.0.4 (10 Jul 2020)
Adds core functionality to the lens image stabilisation (IS) features to enable the lens to work together with the new in-body image stabilisation (IBIS) system introduced with the EOS R5 and R6 cameras.

RF 24-240mm f4-6.3 IS USM
Firmware version 1.0.6 (10 Jul 2020)
Adds core functionality to the lens image stabilisation (IS) features to enable the lens to work together with the new in-body image stabilisation (IBIS) system introduced with the EOS R5 and R6 cameras.

RF 70-200mm f2.8L IS USM
Firmware version 1.0.8 (10 Jul 2020)
Adds core functionality to the lens image stabilisation (IS) features to enable the lens to work together with the new in-body image stabilisation (IBIS) system introduced with the EOS R5 and R6 cameras.

RF 70-200mm f4L IS USM
Firmware version 1.1.0 (9 Dec 2021)
Adds electronic full-time manual focus.
Improves IS when set to Mode 2 and Mode 3.

RF 100-500 f4.5-7.1L IS USM
Firmware version 1.1.0 (1 Oct 2021)
Improves the performance of the image stabilisation when using the EOS R3 electronic shutter during still image shooting.

EF-M lenses

EF-M 15-45mm f3.5-6.3 IS STM
Firmware version 2.0.0 (8 November 2016)
Supports Combination IS when the lens is mounted on the EOS M5 (this coordinates optical IS and in-camera digital IS for improved stabilization effects in movies).
Supports the new scene mode 'panning', which reduces subject blurring when the lens is mounted on the EOS M5.
Firmware version 3.0.1 (15 February 2018)
Support for the 'Dual Sensing IS' function with the EOS M50 has been added. If firmware version 2.0.0 has not been installed, firmware version 3.0.1 will add the previous updates – there is no need to install version 2.0.0 first.

EF-M 18-150mm f3.5-6.3 IS STM
Firmware version 2.0.1 (15 February 2018)
Support for the 'Dual Sensing IS' function with the EOS M50 has been added.

EF-M 55-200mm f4.5-6.3 IS STM
Firmware version 2.0.0 (15 February 2018)
Support for the 'Dual Sensing IS' function with the EOS M50 has been added.

EF lenses

EF 40mm f2.8 STM
Firmware version 1.2.0 (5 April 2016)
Corrects the problem where, if pressure is applied to the lens barrel while the lens is mounted to the camera (pressure can be applied even while attaching the lens cap or while carrying the camera with the lens attached in a bag), the autofocusing function of the lens may stop working.
Lenses with the following serial numbers are equipped with Firmware Version 1.1.0 and can be updated: the third digit in the serial number is either 0, 1, or 2 (xx0xxxxxxx, xx1xxxxxxx, or xx2xxxxxxx). Lenses with serial numbers other than those listed above are equipped with Firmware Version 1.2.0.

EF 400mm f2.8L IS III USM
EF 600mm f4L IS III USM
Firmware version 1.1.2 (15 November 2019)
Increases the manual focus speed when the manual focus speed switch is set to 1 or 2. The speed when the switch is set to 3 (slowest speed) will be unchanged. Also improves the image stabilization effect during handheld shooting with a slow shutter speed when used with EOS 5D Mark IV, EOS 6D, or EOS R.
In addition, this firmware enables a full-time manual focus function during Servo AF when used with the EOS-1D X Mark II. The lens must be sent to the Service Center in order for this function to be enabled.

EF 400mm f4 DO IS II USM
Firmware version 1.0.9 (21 October 2020)
Fixes a phenomenon where, in rare cases, the IS mechanism may cause the image to jump.

EF 24-105mm f4L IS II USM
Firmware version 2.0.0 (23 May 2017)
Support for the 'panning' scene mode with the EOS M5 and M6 has been added. This mode reduces subject blurring and blurs the background when the lens is mounted on these cameras. The EF-EOS M Mount Adapter is required to use this lens with EOS M-series cameras.

EF 200-400mm f4L IS USM Extender 1.4x
Firmware version 1.1.0 (8 May 2018)
Corrects a phenomenon in which the subject may not be in focus on some occasions when using the lens with the cameras listed below and performing AF shooting from approximately 3 metres.
EOS-1D X Mark II, 1D X, 1D C, 5DS, 5DS R, 5D Mark III, 5D Mark IV

EF-S lenses

EF-S 55-250mm f4-5.6 IS STM
Firmware version 1.0.3 (22 July 2015)
Improves the autofocus speed when the lens is attached to the EOS M3. (To mount the lens on the EOS M3, mount adapter EF-EOS M is required.
If the 3rd digit in the serial number of your lens is either 0, 1, or 2 (e.g. xx0xxxxxxx, xx1xxxxxxx, xx2xxxxxxx), then it is equipped with firmware Version 1.0.2. Lenses with serial numbers other than those listed above are equipped with firmware Version 1.0.3 or later.

Lens firmware can be downloaded at ***bit.ly/2VTlFgJ***
(select the lens and click the Firmware tag).

Service centre updates

Canon has also released firmware update version 1.1.1 for the EF 300mm f2.8L IS II USM, EF 400mm f2.8L IS II USM, EF 500mm f4L IS II USM and EF 600mm f4L IS II USM lenses.

However, this firmware cannot be installed by the user. The update needs to be carried out by a Canon Service Centre – and will be done free of charge.

Version 1.1.1 changes the control algorithm of the focus drive and enhances the drive's responsiveness for more precise focus adjustments. In particular, the new firmware enhances the AI servo AF capability of the lenses to track objects that move irregularly in sports events, such as soccer or rugby.

The new firmware is for lenses which currently have firmware version 1.0.0. The serial numbers (10 digits) of the lenses equipped with firmware version 1.0.0 are as follows:
EF 300mm f2.8L IS II USM
EF 400mm f2.8L IS II USM
The third digit in the serial number is either 0, 1, 2, or 3 (xx0xxxxxxx; xx1xxxxxxx; xx2xxxxxxx; xx3xxxxxxx).
EF 500mm f/4L IS II USM
EF 600mm f/4L IS II USM
The third digit in the serial number is 0 (xx0xxxxxxx).

Speedlites

Complete system for travelling light

While a built-in flash unit is useful, it is limited in range and scope. All EOS cameras accept Speedlites – the Canon name for an attachable electronic flashgun. Although the current range of Speedlites is relatively small, several of the discontinued models are quite common on the second-hand market.

Autoflash exposure

All Canon Speedlites provide autoflash exposure. The exposure is determined by measuring the brightness of the flash illumination reflected from the subject. However, the sensors which measure this reflected light are actually found inside the camera, rather than in the Speedlite (the Speedlites 200M and 480EG are exceptions). The way in which autoflash metering operates has evolved over the years.

TTL autoflash

When the shutter button is pressed, the camera sets the shutter speed and aperture to suit the ambient light. Then the flash starts to fire. The light reflected back to the camera from the subject is reflected from the film during the exposure and measured by flash sensors inside the camera body. When the camera determines that sufficient light has been received for correct exposure, it terminates the flash output. TTL is short for 'through-the-lens' – meaning that the light is measured only after it has passed through the camera lens.

A-TTL autoflash

The 'A' stands for 'advanced'. Here, a short, low-power flash is emitted from the Speedlite as the shutter button is pressed. This allows the camera to determine the aperture needed for correct flash exposure. At the same time, the camera takes a normal light reading to determine the aperture needed for the ambient light exposure. The smaller of these two apertures is then set and the main flash fires. The actual flash output is still controlled during the exposure by a sensor measuring the light reflected from the film. The advantage of A-TTL over TTL autoflash is that correct exposure is given up to the maximum range of the Speedlite regardless of the lighting conditions.

E-TTL autoflash

'E' is for 'evaluative'. The flash system shares the light sensors in the camera viewfinder which are also used for evaluative metering of the ambient light. As the shutter button is pressed, an ambient light reading is taken. Then a low power pre-flash is emitted by the Speedlite. The sensors measure the pre-flash illumination reflected by the subject, but can't help seeing the ambient light at the same time. So the camera deducts the first ambient light reading from this second reading to get a flash-only reading. This flash reading allows the camera to determine the intensity of the main flash needed for correct exposure. Finally, the shutter opens and the main flash fires at this pre-determined intensity. Unlike TTL and A-TTL autoflash metering, the E-TTL system does not monitor the flash output during the actual exposure.

E-TTL II autoflash

E-TTL autoflash works on the assumption that the subject will be covered by an autofocus (AF) point. However, an AF point does not always cover the area of the subject where you want the flash exposure to be correct. The E-TTL II autoflash system overcomes this problem. When you press the shutter button, the ambient light is metered by each sensor. Then a pre-flash fires and this is also metered by all the sensors. The ambient and flash readings for each sensor are then compared. The area of the scene which shows a significant difference between the readings is the area where the subject is most likely to be. This is because the main subject is likely to be closer to the camera than the rest of the scene and will reflect more of the flash. However, if the difference between the two readings is significantly high, the camera will ignore this area on the basis that the flash is being reflected back to the camera by a very shiny surface, such as a mirror. The pre-flash meter readings from accepted areas are weighted and averaged. They are then compared with the ambient light reading before the main flash output is calculated and stored in memory for the exposure. If the lens is able to provide distance information, this is used to determine the closeness of the subject and any highly reflective areas relative to the background. This information is used to refine the flash exposure. The result is better flash exposure for difficult subjects, such as white wedding dresses.

Compatibility

For Speedlite photography, EOS cameras can be divided into three groups:

Type A-II cameras allow E-TTL II flash metering with EX-series Speedlites. Type A-II digital cameras include: EOS 1D Mark II, 1D Mark II N, 1D Mark III, 1D Mark IV, EOS 1D X, 1D X Mark II, 1D X Mark III, 1Ds Mark II, 1Ds Mark III, 5D, 5D Mark II, 5D Mark III, 5D Mark IV, 5DS, 5DS R, 6D, 6D Mark II, 7D, 7D Mark II, 20D, 20Da, 30D, 40D, 50D, 60D, 60Da, 70D, 77D, 80D, 90D, 100D, 200D, 250D, 350D, 400D, 450D, 500D, 550D, 600D, 650D, 700D, 750D, 760D, 800D, 850D, 1000D, 1100D, 1200D, 1300D, 2000D, 4000D, M, M2, M3, M5, M50, M50 Mark II, M6, M6 Mark II, R, RP, R3, R5, R6, R7, R8, R10, R50 (Hotshoe Adapter AD-E1 required for some EOS R-series cameras – see page 9). Also film cameras EOS 30V Date, 33V, 300X.

Type A cameras allow E-TTL flash metering with EX-series Speedlites. They use A-TTL flash metering with EZ-series Speedlites. Type A digital cameras are: EOS 1D, 1Ds, 10D, 300D, D30, D60. Also film cameras EOS 1V, 3, 30, 33, 300, 300V, 3000V, 50, 50E, 500N, EOS IX, IX7.

Type B cameras are EOS models not listed above (except EOS M10, M100 and M200 which do not accept Speedlites). Type B cameras provide TTL metering with EX-series Speedlites. They use A-TTL flash metering with EZ-series Speedlites.

Off-camera flash

The only real advantage of attaching a Speedlite to the camera hotshoe is convenience. For most subjects, having the Speedlite positioned close to the lens does not give the best results. There are two ways to move a Speedlite away from the camera – cables or wireless. However, not all Speedlites offer the wireless function (see right), so a cable is the only option for some.

Off Camera Shoe Cord

The Off Camera Shoe Cord only gives an extension of about 60cm, but this is more than adequate to improve the lighting for most subjects. Try holding the Speedlite above and to the left of the camera for better portraits. Canon says the cord is incompatible with the EOS 600 and RT cameras. However, it is only the A-TTL and E-TTL modes which appear to have problems, often setting an aperture which is too small for correct exposure. The cord appears to work normally if you can switch the Speedlite to TTL mode, or use the camera in manual (M) mode. With digital cameras, the cord works normally, but the radio interference caused may exceed the regulatory limits of the US, Canada and Germany.

Multiple flash accessories

If you want to move the Speedlite further from the camera, the multiple flash accessories are worth considering. You need an adapter for both the Speedlite and the camera, plus a connecting cable. The system was designed to provide TTL metering with two to four Speedlites, but it can be used with a single Speedlite. However, with this modular system you lose some features:

- A-TTL flash switches to TTL
- there is no pre-flash, autozoom or auxiliary light
- there is no distance readout or second curtain synchronization
- you can't use Depth mode.

Optical wireless flash

An alternative to the cables is the optical wireless flash system introduced by Canon with the Speedlite 550EX.

You need a minimum of two units as one needs to be connected to the camera hotshoe. This is called the 'Sender' unit. It can be one of the compatible Speedlites or a Speedlite Transmitter (this does not provide flash illumination – it simply controls one or more off-camera Speedlites). If you use a Speedlite 600EX-RT, 600EX, 580EX or 550EX on the camera you can reduce the power of the flash so that it controls off-camera units without adding to the illumination. The units controlled by the sender are called 'Receivers'.

Sender units are the Speedlite 600EX II-RT, 600EX-RT, 600EX, 580EX, 580EX II, 550EX, 90EX, EL-1, EL-100, Macro Ring Flash MR-14EX, Macro Twin Flash MT-24EX and MT-26EX-RT, plus the Speedlite Transmitter ST-E2. The built-in flash of the EOS 7D, 7D Mark II, 60D, 70D, 80D, 600D, 650D, 700D, 750D and 760D can also be used as a sender unit. Receiver units can be the Speedlite 600EX II-RT, 600EX-RT, 600EX, 580EX II, 580EX, 550EX, 420EX, 430EX, 430EX II, 320EX, 270EX II, EL-1 and EL-100.

Wireless flash is only fully compatible with Type A-II and A cameras (see page 22). Speedlite 600EX-RT must be set to wireless optical flash to work with other optical wireless units.

Radio wireless flash

The Speedlite 600EX-RT introduced radio wireless flash to the EOS system. This provides greater range than the optical wireless system, and does not require the sender and receiver units to have line-of-sight with each other. Many of the features of the two systems are similar, but they are not compatible. Currently, the units with radio wireless control are the Speedlite 600EX II-RT, 600EX-RT, 430EX III-RT, EL-1, EL-5 and the Speedlite transmitter ST-E3-RT.

Display panel of the **EOS 600EX-RT**

EX and EL series

These are the most advanced Speedlites. Most give E-TTL II autoflash metering with Type A-II cameras, E-TTL autoflash metering with Type A models and TTL autoflash metering with Type B models (see next spread for listing of models).

Speedlite 90EX £119.99
A lightweight and highly-compact flash gun with a guide number of 9 (ISO 100, metres). It features a wireless sender function which can control compatible remote Speedlites. Designed for the EOS M, but compatible with other EOS digital cameras.
EOS magazine, Oct-Dec 2012, page 29

Speedlite 220EX £129.99
Twice the power of a built-in flash, but only half that of the 420EX. Useful for fill-in flash outdoors or subjects within 3 or 4 metres indoors. The fixed head means you need an Off Camera Shoe Cord for bounce flash photography.

Speedlite 270EX £149.99
Includes a host of new features not available with a built-in flash. These include the addition of a zoom head for efficient light distribution and a bounce flash head.
EOS magazine, Apr-Jun 2009, page 19
EOS magazine, Oct-Dec 2009, page 54

Speedlite 270EX II £195.00
Compatible with Canon's distance-linked E-TTL II system and can be used on-camera or as a receiver unit controlled by a separate sender unit or the Integrated Speedlite Transmitter of cameras such as the EOS 600D, 60D and 7D.
EOS magazine, Apr-Jun 2011, page 27

Speedlite 320EX £269.99
A compact, versatile flash compatible with Canon's distance-linked E-TTL II system. It can be used on-camera or as a receiver unit controlled by a separate sender unit or the Integrated Speedlite Transmitter of cameras. In a first for Canon Speedlite, the Speedlite 320EX features a Video Light function, complementing bodies with EOS Movie by enabling users to illuminate low light scenes continuously when capturing HD video. When used in combination with compatible cameras Auto Light mode ensures that the LED light automatically turns on or off according to the ambient light of the scene when in Movie mode.
EOS magazine, Apr-Jun 2011, page 27

Speedlite 380EX £179.99
The 380EX offers E-TTL and TTL modes, but is not part of the wireless flash system. The head only tilts (no swivel). However, it does offer high speed (FP) synchronisation and flash exposure compensation.

Speedlite 420EX £199.99
A successor to the Speedlite 380EX adding swivel to the tilt head. AF-assist is linked to the seven focusing points. It emits a cross-type pattern with vertical and horizontal stripes. The effective AF-assist range is up to a maximum of about 7m.
EOS magazine, September 2000, page 13

Speedlite 430EX £199.99
Replaces the Speedlite 420EX, bringing slightly more power. Improves on many of the specifications of the 420EX. New features include automatic white balance setting to match the flash output, and auto adjustment of the zoom flash position to match the sensor size of the camera. Can be used as a wireless receiver unit.
EOS magazine, September 2005, page 64

Speedlite 430EX II £209.99
Replaces the Speedlite 430EX. Recycle times have been reduced by about 20% and recycling is silent. A new metal mounting foot provides ultra-stable communication between camera and Speedlite. Features for digital cameras include colour temperature control (flash colour temperature is transmitted to the camera for optimal white balance) and picture size zoom control (flash head zooms to a position to suit the camera's frame size).
EOS magazine, Jul-Sep 2008, page 16

Speedlite 430EX III-RT £249.99
Replaces the Speedlite 430EX II and provides a collection of advanced features, including integrated radio control. In a radio system the new Speedlite can be used as a sender or receiver unit. With an optical system the new Speedlite will only operate as a receiver.
EOS magazine, Oct-Dec 2015, page 21

Speedlite 470EX-AI £499.99
The world's first flashgun equipped with AI Bounce – a new Auto Intelligent (AI) function designed to simplify bounce flash photography. It uses a test flash to calculate the perfect angle for natural, flattering illumination, then automatically moves the motorised flash head into the optimum position for perfect lighting. A full-auto mode manipulates the flash head for every new shot. For those with greater experience in flash photography, a semi-auto mode allows you to set the bounce flash angle to suit the shooting scenario – the Speedlite 470EX-AI then automatically adjusts the flash head for different camera orientations to retain your setting. This is very useful for portrait photographers who regularly turn their camera between horizontal and vertical format while shooting. You can also set the unit to manual and use it just like any other Speedlite.
EOS magazine, Apr-Jun 2018, page 24

Speedlite 550EX £299.99
The 550EX was the first Speedlite with wireless control. This allows one gun to be designated as the sender unit and up to three groups of guns (called receivers) to be remotely controlled from this sender unit. Studio-type lighting can be created while retaining the advantage of a fully dedicated flash system. There is no limit to the number of flashguns that can be used in the flash groups. Ratio control can be applied to groups A and B. Group C, intended for 'accent' lighting, does not have ratio control. However, flash compensation can be used to control the brightness of the illumination from Group C, effectively giving total control of the lighting from all three groups. The Speedlite 550EX can be used as a sender or a receiver unit.
EOS magazine, September 1998, page 18

Speedlite 580EX £349.99
Provides full compatibility with the distance-linked E-TTL II flash system and automatically adjusts to provide optimum coverage for the sensor size of the latest digital cameras. Wireless transmission is built-in and the unit can be used as a sender or a receiver.
EOS magazine, September 2004, page 65

Speedlite 580EX II £399.99
Replacing the 580EX, the Speedlite 580EX II offers a more durable build quality. When connected to the EOS-1D Mark III and later pro models, the 580EX II achieves the same level of dust and moisture resistance as the camera itself. The 580EX II improves on many of the specifications of the 580EX – the silent recycling time, for example, is 20% faster. A redesigned metal flash foot place and connector pins allow more stable communication between camera and flash, while a quick release mechanism minimises wear and tear on both of the units.
EOS magazine, Apr-Jun 2007, page 19

Speedlite 600EX-RT £679.99
The Speedlite 600EX-RT is a high-performance TTL flash unit. Integrated radio frequency triggering, in addition to standard optical wireless flash control, allows complex on-and-off-camera lighting set-ups. Using one sender 600EX-RT or the new ST-E3-RT radio-frequency wireless Speedlite Transmitter, up to 15 600EX-RT flash units, set as receivers and positioned up to 30 metres away, can be remotely triggered. In addition, EOS cameras with a connected Speedlite 600EX-RT can be triggered by a remote Speedlite 600EX-RT. The Speedlite 600EX-RT communicates white balance settings to the camera through the hot shoe connection. To further balance flash and ambient light, a new colour filter adapter and two supplied colour gels can be fitted to balance the temperature of the flash and create a more natural effect when shooting around tungsten or mercury lighting.
EOS magazine, Apr-Jun 2012, page 28

Speedlite 600EX £639.99
The Speedlite 600EX-RT without the wireless radio trigger. Both Speedlites can be used with optical wireless transmission in multiple flash set-ups.
EOS magazine, Apr-Jun 2012, page 28

Speedlite 600EX-RT II £539.99
The Speedlite 600EX II-RT fires up to 50% more flashes continuously compared with its predecessor, and a 100% increase when used with the new CP-E4N external battery pack. A guide number of 60 (metres, ISO 100) allows lighting of a subject over a wide range of distances and large areas. For creative illumination, the flash features a wireless receiver function, enabling you to make the most of off-camera lighting. The radio control function allows you to build mood and atmosphere into a scene at up to 30m away by simulating multi-directional light. Up to 15 Speedlites (including earlier EX-RT models) can be used together off-camera for dramatic multi-flash photography. For portraiture specialists, the new and included bounce adapter SBA-E3 provides more freedom to bounce light from walls and ceilings for a softer, more natural result. New clip-on coloured filters help when balancing flash with ambient light.
EOS magazine, Jul-Sep 2016, page 20

Speedlite EL-1 £1249.99
This new flagship Speedlite employs similar weather-resistant sealing to pro-level cameras. New features include Continuous Shooting Priority (CSP) mode to help conserve battery power and improve recycle times when shooting with flash continually; Flash Exposure (FE) Memory which stores the last set of flash settings used when on auto and recalls them when you switch to manual; and E-TTL Taste which allows you to customise the balance between flash and ambient light. For macro work the EL-1 offers a low output mode of just 1/8192 with a recycle time of 0.1 second. In another first, Canon has developed a dedicated lithium-ion rechargeable battery pack. The LP-EL is compatible with an E6 battery charger. It offers a 0.9 second full-power recycle time and allows 170 continuous shots at full power.
EOS magazine, Jan-Mar 2021, page 22

Speedlite EL-100 £199.99
The Speedlite EL-100 is a compact, lightweight unit with a guide number of 26 (metres, ISO 100). It features an auto mode which enables communication with compatible cameras to take the complications out of flash photography. A swivel-and-tilt head allows for bounce flash photography. Focal length coverage is 24mm and 50mm. The EL-100 can act as a sender or receiver with off-camera optical (infra-red) wireless photography.
Fireware version 1.0.1 for the EL-100 fixes the issue where, in some cases, the Speedlite might not fire correctly under specific shooting conditions. You can download the firmware and

New terms
For many years, a Speedlite which controlled the output of a second flashgun was called a 'Master' unit, with the remote gun known as a 'Slave' unit. In 2017, Canon realised that this Master/slave terminology might be outdated. Instead, they started to use the words 'Sender' and 'Receiver' to describe the relationship of the Speedlites. EOS magazine is now following Canon's lead. You will, of course, still come across the earlier words in older instruction manuals and earlier editions of EOS magazine.

Speedlite EL-5
see page 9 for details of this flash unit which is only compatible with selected R-series cameras

Speedlites in bold are current.

Speedlites in grey are discontinued.

All prices are UK recommended retail (including VAT) at the time of launch.

Speedlites
Specifications and compatibility

This chart gives the basic specification of all the different Speedlite models. The guide number indicates the power of the unit. Choose one with a tilt and/or swivel head if you want to try bounce flash photography. An EX-series unit is recommended for Type A cameras (see page 14) and is essential for EOS digital cameras.

	intro.	Guide number (ISO 100, metres)	Wireless		Flash head		Flash metering			Type A features*	AF assist beam	Power source		Size (mm)	Weight (excluding batteries)
			sender/ receiver	optical/ radio	Movement	Coverage	Type A camera	Type B camera	Manual			Batteries	External pack		
SPEEDLITE EX and EL series															
Speedlite 90EX	2012	9	sender		Fixed	15mm	E-TTL II	–	No	FEL	Yes	2x AAA	No	44x52x65	50g
Speedlite 220EX	2003	22	–	–	Fixed	28mm	E-TTL	TTL	No	HSS, FEL	Yes	4x AA	No	65x92x61	160g
Speedlite 270EX	2009	27	–	–	Tilt	28/50mm	E-TTL II	–	Yes	HSS, FEL	Yes	2x AA	No	64x65x76	145g
Speedlite 270EX II	2011	27	receiver	optical	Tilt	28/50mm	E-TTL II	–	Yes	HSS, FEL	Yes	2x AA	No	66x65x77	155g
Speedlite 320EX	2011	32	receiver	optical	Tilt	28/50mm	E-TTL II	–	Yes	HSS, FEL	Yes	4x AA	No	70x115x78	275g
Speedlite 380EX	1995	38	–	–	Tilt	24-105mm	E-TTL	TTL	No	HSS, FEL	Yes	4x AA	No	75x113x103	270g
Speedlite 420EX	2000	42	receiver	optical	Tilt/Swivel	24-105mm	E-TTL	TTL	No	HSS, FEL	Yes	4x AA	No	71x123x99	300g
Speedlite 430EX	2005	43	receiver	optical	Tilt/Swivel	14-105mm	E-TTL	TTL	Yes	HSS, FEL	Yes	4x AA	No	72x122x101	320g
Speedlite 430EX II	2008	43	receiver	optical	Tilt/Swivel	14-105mm	E-TTL	TTL	Yes	HSS, FEL	Yes	4x AA	No	72x122x101	320g
Speedlite 430EX III-RT	2015	43	both	both	Tilt/Swivel	14-105mm	E-TTL II	TTL	Yes	HSS, FEL	Yes	4x AA	No	70x114x98	295g
Speedlite 470EX-AI	2018	47	receiver	optical	Tilt/Swivel	14-105mm	E-TTL II	TTL	Yes	HSS,FEL	Yes	4x AA	No	74x130x105	385g
Speedlite 550EX	1998	55	both	optical	Tilt/Swivel	17-105mm	E-TTL	TTL	Yes	HSS, FEL	Yes	4x AA	CP-E4	80x138x112	405g
Speedlite 580EX	2004	58	both	optical	Tilt/Swivel	14-105mm	E-TTL	TTL	Yes	HSS, FEL	Yes	4x AA	CP-E4	76x134x114	375g
Speedlite 580EX II	2007	58	both	optical	Tilt/Swivel	14-105mm	E-TTL	TTL	Yes	HSS, FEL	Yes	4x AA	CP-E4	76x134x114	375g
Speedlite 600EX-RT	2012	60	both	both	Tilt/Swivel	14-200mm	E-TTL II	TTL	Yes	HSS, FEL	Yes	4x AA	CP-E4	80x143x125	425g
Speedlite 600EX	2012	60	both	optical	Tilt/Swivel	14-200mm	E-TTL II	TTL	Yes	HSS, FEL	Yes	4x AA	CP-E4	80x143x125	425g
Speedlite 600EX II-RT	2016	60	both	both	Tilt/Swivel	14-200mm	E-TTL II	TTL	Yes	HSS, FEL	Yes	4x AA	CP-E4	79x143x123	435g
Speedlite EL-1	2020	60	both	both	Tilt/Swivel	14-200mm	E-TTL II	–	Yes	HSS, FEL	Yes	LP-EL	CP-E4N	84x149x136	572g
Speedlite EL-5	2022	60	both	radio	Tilt/Swivel	14-200mm	E-TTL II	–	Yes	HSS, FEL	Yes	LP-EL	No	80x140x123	491g
Speedlite EL-100	2018	26	both	optical	Tilt/Swivel	24mm, 50mm	E-TTL II	–	Yes	HSS, FEL	Yes	2x AA	No	65x92x71	190g
										* HSS (high speed sync) is also known as FP (focal plane)					
SPEEDLITE EZ series															
Speedlite 300EZ	1987	30	–	–	Fixed	28-70mm	A-TTL	A-TTL	No	–	Yes	4x AA	No	66x89x100	215g
Speedlite 420EZ	1987	42	–	–	Tilt/Swivel	24-80mm	A-TTL	A-TTL	Yes	–	Yes	4x AA	No	75x122x106	350g
Speedlite 430EZ	1989	43	–	–	Tilt/Swivel	24-80mm	A-TTL	A-TTL	Yes	–	Yes	4x AA	CP-E4	75x122x106	365g
Speedlite 540EZ	1994	54	–	–	Tilt/Swivel	18-105mm	A-TTL	A-TTL	Yes	–	Yes	4x AA	CP-E4	80x138x112	405g
OTHER SPEEDLITES															
Speedlite 160E	1988	16	–	–	Fixed	35mm	TTL	TTL	No	–	No	1x 2CR5	No	59x83x52	85g
Speedlite 200E	1990	20	–	–	Fixed	28mm	TTL	TTL	No	–	No	4x AA	No	64x104x41	130g
Speedlite 200M	1991	20	–	–	Fixed	28mm	Sensor	Sensor	No	–	No	4x AA	No	64x114x46	130g
Speedlite 480EG	1993	48	–	–	Tilt/Swivel	20-135mm	TTL/Sensor	Yes	–	Yes	–	6x C-type	Yes	291x256x114	1065g
MACRO FLASH UNITS															
Macro Ring Lite ML-3	1988	11	–	–	–	–	TTL	TTL	No	–	No	4x AA	–	106x123x24	365g
Macro Ring Lite MR-14EX	2000	14	sender	optical	–	–	E-TTL	TTL	Yes	HSS	No	4x AA	CP-E4	112x126x25	430g
Macro Ring Lite MR-14EX II	2014	10.5	sender	optical	–	–	E-TTL	TTL	Yes	HSS, FEL	No	4x AA	CP-E4	130x112x25	455g
Macro Twin Lite MT-24EX	2001	24	sender	optical	–	–	E-TTL	TTL	Yes	HSS	No	4x AA	CP-E4	112x126x49	585g
Macro Twin Lite MT-26EX-RT	2017	26	sender	both	–	–	E-TTL II	TTL	Yes	tbc	No	4x AA	CP-E4N	69x112x90	570g

Speedlites in **BOLD** are current. Other Speedlites are discontinued.

Speedlite compatibility

EX-series and EL Speedlites (including the MR-14EX/II, MT-24EX and MT-26EX-RT):

• operate with E-TTL II flash metering with the following cameras:
EOS-1D Mark II, 1D Mark III, 1D Mark IV, 1D X, 1D X Mark II, 1D X Mark III, 1Ds Mark II, 1Ds Mark III, 5D, 5D Mark II, 5D Mark III, 5D Mark IV, 5DS, 5DS R, 6D, 6D Mark II, 7D, 7D Mark II, 20D, 20Da, 30D, 40D, 50D, 60D, 70D, 77D, 80D, 90D, 100D, 200D, 250D, 350D, 400D, 450D, 500D, 550D, 600D, 650D, 700D, 750D, 760D, 800D, 850D, 1000D, 1100D, 1200D, 1300D, 2000D, 4000D, M, M2, M3, M5, M50, M50 Mark II, M6, M6 Mark II, R, R3, RP, R5, R5 C, R6, R6 Mark II, R7, R8, R10 and R100. Also EOS 30V Date, 33V, 300X
• operate with E-TTL flash metering with the following cameras:
EOS-1D, 1Ds, 10D, 300D, D30, D60
EOS-1V, 1V HS. 3. 30, 33, 300, 300V, 3000N, 3000V, 50, 50E, 500N
EOS IX, IX7
• operate with TTL flash metering with the following cameras:
EOS D2000/D6000, DCS 1, DCS 3
EOS 1, 1N, 1N RS, 5, 10, 100, 500, 600, 620, 650, 700, 750, 850, 1000 series, 3000, 5000, RT

EZ-series Speedlites

• operate with A-TTL flash metering with the following cameras:
EOS 1, 1N, 1N RS, 1V, 1V HS, 3, 5, 10, 30, 30V Date, 33, 33V, 50, 50E,100, 300, 300V, 300X, 500, 500N, 600, 620, 650, 700, 750, 850, 1000 series, 3000, 3000N, 3000V, 5000, IX, IX7, RT
EZ-series Speedlites are not compatible with EOS digital cameras. but can be used in manual mode (if available on the Speedlite) with EOS digital cameras.

Speedlite 480EG This hammerhead style unit can be used with TTL metering on film cameras, or with an external flash sensor with film and digital cameras.
Speedlites 160E, 200E Not compatible with EOS digital cameras, but can be used with TTL flash metering with EOS film cameras.
Macro Ring Lite ML-3 Not compatible with EOS digital cameras, but can be used with TTL flash metering with EOS film cameras.

EZ-series

EZ-series Speedlites were introduced at the time of the first EOS cameras. They give A-TTL metering with all EOS film cameras. EZ-series Speedlites are not compatible with EOS digital cameras.

Speedlite 300EZ
The most basic of the EZ range, with a fixed head and relatively low power.

Speedlite 420EZ
One of the first EZ-series flashguns. A good range of features for the time.

Speedlite 430EZ
Replaced the Speedlite 420EZ. Very popular in the days before E-TTL metering and still a good second-hand choice for Type B cameras.

Speedlite 540EZ
Top of the range in the EZ-series and worth considering if you use a Type B camera.

Macro series

Macro flash is designed for close-up photography. The unit attaches to the front of the lens so that the light covers the subject even when the lens-to-subject distance is only a few inches.

Macro Ring Lite ML-3
Built-in focusing lamps for close-up photography and copying. Compatible with all EOS film models. Not compatible with digital models. Designed for use with the EF 50mm f2.5 Macro lens, the EF 100mm f2.8 Macro lens and the EF 180mm f3.5 Macro lens (via Macrolite Adapter 72mm). Can also be used, via a Macrolite Adapter, with lenses which have 52mm or 58mm filter mounts. TTL flash metering. Guide number 11 (ISO 100, metres). Two separate flash tubes are used, one on each side of the lens, to allow shadow control. The earlier Macrolite ML-1 and Macro Ring Lite ML-2 are not compatible with EOS cameras and lenses.

Macrolite adapter 52mm £19.99
Macrolite adapter 58mm £19.99
Macrolite adapter 67mm £29.99
Macrolite adapter 72mm £29.99
Allows Macro Ring Lite ML-3 to be used on lenses with different size filter mounts.

Macro Ring Lite MR-14EX
Built-in focusing lamps and modelling flash for close-up photography and copying. Fully compatible with EOS 1V and EOS 3. Mostly compatible with other Type A cameras; can be used with limited features on Type B cameras (see page 22). Designed for use with EF 50mm, 65mm and 100mm Macro lenses. E-TTL autoflash metering. Guide number 14 (ISO 100, metres). Two separate flash tubes are used, one on each side of the lens, to enable shadow control. Can operate as a sender unit in a wireless flash system.
EOS magazine, March 2000, page 15

Macro Ring Lite MR-14EX II £599.99
The all-new Macro Ring Lite MR-14EX II is ideal for EOS quality close-up photography when used in conjunction with one of Canon's EF Macro lenses. Compatible with all recent digital SLRs, the MR-14EX II is the most advanced macro flash produced by Canon. It has a maximum Guide number of 10.5m at ISO 100 and a twin-tube design where both flash tubes can be directed to fire independently or together. Sophisticated white LED focusing lamps and two forms of modelling lights make for easy and accurate previewing of lighting effects. Infinitely adjustable in any lighting condition with its illuminated dot-matrix LCD, the MR-14EX II has 12 custom functions and supports E-TTL wireless autoflash when used with one or more compatible Speedlites. All this in a refined, compact design with shorter recycling times than its predecessor.
EOS magazine, Apr-Jun 2014, page 23

Macro Twin Lite MT-24EX Features two fully adjustable flash heads attached to a rotating ring. Maximum guide number 24 (ISO 100, metres). Compatibility and other features as Macro Ring Lite MR-14EX.
EOS magazine, December 2001, page 11

Macro Twin Lite MT-26EX-RT £1079.00
Features two adjustable flash heads attached to a rotating ring. Supplied with clip-on diffusers for the flash heads. Maximum guide number 26 (ISO 100, metres). This is the first Canon macro flash unit with radio wireless sender functionality. Up to 15 units in five groups can be controlled to provide more light, illuminate the background or backlight the subject. Can be switched to optical wireless control.
EOS magazine, Oct-Dec 2017, page 29

Other Speedlites

Not compatible with EOS digital cameras (except Speedlite 480EG – see below)

Speedlite 160E
Low power unit designed for the EOS 850 (which does not have built-in flash). Usable with other EOS film models, but the Speedlite 200E is a better choice. TTL flash metering. Guide number 16 (ISO 100, metres). Coverage down to 35mm.

Speedlite 200E
Designed as a low power unit for cameras without built-in flash. Do not confuse with the similar-looking 200M. TTL flash metering. Guide number 20 (ISO 100, metres). Coverage down to 35mm lenses.

Wide adapter for Speedlite 200E
Increases coverage of Speedlite 200E to 28mm lenses.

Speedlite 200M
Low power unit designed for use with EF-M camera. This discontinued entry-level camera does not support TTL flash metering so the Speedlite 200M has its own built-in sensor. Can be used with other EOS cameras, but shutter speed and aperture must be set manually. Automatic non-TTL flash exposure. Guide number 20 (ISO 100, metres). Coverage to 35mm (28mm with wide-angle adapter).

Speedlite 480EG
Hammerhead style unit usable with all EOS models. Choice of TTL flash metering or external sensor – can be used with EOS digital cameras using external sensor. Maximum guide number of 48 (ISO 100, metres); 68 (ISO 100, metres) with Tele Panel 480. Coverage to 35mm (to 20mm with Wide Panel 480; Tele Panel 480 gives coverage for 135mm and longer focal lengths). Supplied with TTL Shoe Cord E, Panel Adapter 480, Wide Panel 480, Tele Panel 480, Clamp EG, Bracket EG, Synchro Cord 480.

Unit E for Speedlite 480EG
Plugs into the Speedlite 480EG to make it fire remotely in response to the light from another flash gun.

Wireless flash

Speedlite Transmitter ST-E2 £239.99
On-camera optical wireless transmitter for Speedlites with wireless flash compatability (see table on opposite page). Can control up to two receiver groups with variable flash ratio control between groups. The ST-E2 does not provide any flash illumination. Speedlites 600EX-RT, 580EX II, 580EX, 550EX and 430EX III-RT can also be used on the camera as wireless transmitters (sender units), with or without the flash firing. The Speedlite 90EX, Macro Ring Flash MR-14EX and Macro Twin Flash MT-24EX also act as sender units.
EOS magazine, September 1998, page 18

Speedlite Transmitter ST-E3-RT £309.99
The Speedlite Transmitter ST-E3-RT is normally used in the hotshoe of the camera. As a sender unit it can control up to 15 Speedlites with wireless radio transmission (see table opposite). It is compatible with EOS cameras using E-TTL and E-TTL II autoflash systems. The ST-E3-RT does not offer wireless optical transmission.
EOS magazine, Apr-Jun 2012, page 29

Speedlite Transmitter ST-E10 £699.99
The Speedlite Transmitter ST-E10 was introduced for the EOS R3 camera (see page 7).

Speedlite Transmitter ST-E3-RT ver2 £289.99
The ST-E3-RT ver2 adds flash exposure (FE) memory mode and, with the EL-1, wireless second curtain flash synchronisation and minimum 1/8192 power output. It is compatible with cameras launched from 2020 onwards (except the EOS 850D).
EOS magazine, Apr-Jun 2021, page 13

Off Camera Shoe Cord

Off Camera Shoe Cord 2
Allows you to use a Speedlite up to 0.6m from the camera while retaining full flash dedication. Not recommended for EOS 600 or RT as data transmission errors may lead to incorrect exposures; however, it can be used if manual mode is set on camera with aperture and shutter speed set manually – automatic TTL-flash metering still operates, controlling the duration of the flash to suit the chosen aperture. Radio interference may exceed regulatory limits when used with EOS digital models in US, Canada and Germany. The original Off Camera Shoe Cord was designed for the Canon T90 camera and Speedlite 300TL and is not compatible with EOS cameras.

Off Camera Shoe Cord OC-E3 £59.99
Similar to Off Camera Shoe Cord 2, but maintains moisture and dust resistance with weather-proofed cameras for off-camera shooting. Suitable for all EOS models (except EOS 600 and RT).

Multiple flash

The following accessories allow up to four Speedlites or Macrolites to be linked together for automatic TTL-flash control. Not suitable for EOS digital cameras.

TTL Hotshoe Adapter 3 £79.99
Mounts on the camera accessory shoe to provide a socket for the Connecting Cords. A Speedlite can be mounted on top of the adapter. The adapter includes a locking pin/socket to secure it to both the camera and the Speedlite.

TTL Hotshoe Adapter 2
As Adapter 3, but without the locking pin system.

TTL Hotshoe Adapter
The original Adapter was designed for the Canon T90 camera and is not recommended for use with the EOS system. However, some users say that it works well with EOS cameras.

Off Camera Shoe Adapter
Slips onto the base of the Speedlite to provide a socket for the Connecting Cords. Can be fixed to a tripod.

Off Camera Shoe Adapter OA-2 £29.99
Replacement for previous item. Designed for compatability with Speedlite 540EZ and 550EX.

TTL Distributor £59.99
Provides connection sockets for linking TTL Hotshoe Adapter 3 to two or three Off Camera Shoe Adapters.

Connecting cord 60 £54.99
Connecting cord 300 £51.99
Dedicated flash connection cords in lengths of 0.6 metre and 3 metres. Only suitable for use with above Multiple Flash Accessories.

Other accessories

Speedlite Bracket SB-E1
Allows the Speedlite to be positioned to the side of the camera, instead of on the hotshoe. Requires Off Camera Shoe Cord 2 or 3.

Speedlite Bracket SB-E2 £225.00
Similar to SB-E1, but maintains moisture and dust resistance for Speedlite off-camera shooting with weather-proofed cameras. Suitable for all EOS models.

Hotshoe Adapter AD-E1
For EOS R3, R7 and R10. See page 9.

PC Adapter
Attaches to hotshoe and provides PC socket

External power packs

for Speedlites 580EX II, 580EX, 550EX, 420EX, 540EZ, 430EZ and 480EG

Transistor Pack E
Supplied with Battery Magazine TP (requires 6 x C cells)

Battery Magazine TP Holds six C-size (LR14) batteries for use with Transistor Pack E. A spare magazine is useful when you need to change batteries quickly (at a wedding, for example)

Ni-Cd Pack TP
Rechargeable power supply for Transistor Pack E

Ni-Cd Charger TPE
Exclusive battery charger for Ni-Cd Pack TP

Connecting Cord ET
for Transistor Pack E

Compact Battery Pack E
for 550EX, 540EZ and 430EZ. Small, light transistor pack with quick charge and low voltage quick firing functions; can be attached to the camera. Uses six AA batteries.

Compact Battery Pack CP-E2
for 550EX and 540EZ. Small and lightweight. Uses six AA-size alkaline or NiCd batteries. Lithium batteries can also be used.

Compact Battery Pack CP-E3
Introduced with the Speedlite 580EX, but also compatible with the Speedlites 550EX and 540EZ, Macro Ring Lite MR-14EX and Macro Twin Lite MT-24EX. Improves flash recycle times and increases the number of firings before batteries need to be replaced. The pack takes optional rapid-change magazines to ensure fast switching from one battery set to the next.

Compact Battery Pack CP-E4 £224.99
Similar to above battery pack, but introduced for the Speedlite 580EX II and compatible with the Speedlites 600EX-RT and 600EX.

Battery Magazine CPM-E3
Holds 6 x AA batteries for use with Compact Battery Pack CP-E3.

Battery Magazine CPM-E4 £44.99
Holds 6 x AA batteries for use with Compact Battery Pack CP-E4.

Speedlites and accessories in bold are current.

Speedlites and accessories in grey are discontinued.

All prices are UK recommended retail (including VAT) at the time of launch.

Macro Ring Lite MR-14EX

Macro Twin Lite MR-26EX-RT

EOS 400D with Speedlite 430EX

Off Camera Shoe Cord OC-E3

See page 9 for Off-camera Shoe Cord OC-E4A

Accessories for EOS digital cameras

Enhance your camera outfit

Lenses and Speedlites are just part of the vast system of accessories available for your EOS digital camera. Whatever your area of interest, there is almost certain to be something designed to help with your photography. The following pages cover the complete range, including discontinued items you might come across second-hand. Accessories for EOS film cameras have their own section.

AC adapter kits

AC adapter kits allow you to power your EOS digital camera direct from a mains power supply.

Above The ACK-E2 power adapter kit comprises a DC coupler with lead, a universal AC adapter (centre) and a mains lead (not shown). The mains lead plugs into one end of the AC adapter, the cable from the DC coupler into the other end.

A mains power kit is available for every EOS camera. However, unusually for Canon, there is no clear consistency in the supply or naming of the parts.

Most of the kits consist of a mains power cord, an AC adapter and a DC coupler. The coupler fits the camera battery compartment. Often referred to as a 'dummy battery', the coupler provides the camera with a low voltage DC supply from the AC adapter.

The earliest EOS cameras, the D30 and D60, came supplied with the DC Coupler DR-400. This plugged in to the supplied Compact Power Adapter CA-PS400, which was also the battery charger with slots to charge up to two BP-511 battery packs at a time.

The EOS-1D, 1D Mark II, 1D Mark II N, 1D Mark III, 1Ds, 1Ds Mark II and 1Ds Mark III were also supplied with an adapter kit (DCK-E1 or ACK-E4)) as standard. Here, the AC adapter is a separate unit to the battery charger.

With the EOS-1D Mark IV, 1D X and all other EOS cameras the AC kit is an optional extra. At least from the ACK-E6 onwards, the suffix relates to the camera battery – in this case the LP-E6.

When to use an AC adapter

If you're using functions such as Live View, or shooting video, the power drain on your batteries will increase significantly. As an example, an EOS 600D draws a current of around 60mA when its rear screen is inactive. This current drain increases by over 500% to 340mA when the rear screen is being used in Live View. Obviously, the heavier the current drain, the faster your batteries will become exhausted.

This isn't normally a serious problem provided you have spare batteries to hand, but if your photography is done indoors, perhaps in a studio or on a kitchen table, using an AC mains adapter in place of a battery is worth considering.

Macro photographers often make extensive use of Live View for framing and focusing, and this work is frequently done indoors where the camera and subject are in fixed positions. It can be frustrating to have to swap batteries after getting the shot framed perfectly. Another situation where mains power comes in handy is when playing back stills or movies on a monitor.

One of the best reasons to buy a power adapter is to keep the camera running unattended for a long period. Suppose you wanted to capture an event using a remote trigger. Your camera might have to be waiting for many hours before taking a photograph, by which time the battery might be exhausted.

Time-lapse photography is another good example. In this case, the camera needs to be able to take a single photograph at regular intervals over many hours or days. If you have to replace the camera battery, you may lose valuable shots and ruin the whole sequence.

AC Adapter Kits for EOS digital cameras

This table shows the units you need to operate your EOS camera from an AC mains power supply. Kits shown in **BOLD** are still available (the suggested retail price is given). The names of the DC coupler and AC adapter which make up the kit are listed. The DC couplers which are still available are shown in **BOLD**, together with the suggested retail price. E&OE

	KIT	*DC coupler*	*AC adapter*
EOS-1D EOS-1D Mark II EOS-1D Mark II N	DC Coupler Kit	DCK-E1	–
EOS-1D Mark III EOS-1D Mark IV EOS-1D X	**ACK-E4** £129.99	DR-E4	AC-E4
EOS-1D X Mark II EOS-1D X Mark III	**ACK-E19*** £329.99	**DR-E19** £154.99	AC-E19
EOS-1Ds EOS-1Ds Mark II	DC Coupler Kit	DCK-E1	–
EOS-1Ds Mark III	**ACK-E4** £129.99	DR-E4	AC-E4
EOS 5D	ACK-E2	DR-400	AC-E2
EOS 5D Mark II EOS 5D Mark III	**ACK-E6** £139.99	**DR-E6** £59.99	AC-E6
EOS 5D Mark IV	**ACK-E6N**** £tbc	**DR-E6** £59.99	AC-E6N
EOS 5DS / 5DS R EOS 6D, EOS 6D Mark II EOS 7D, EOS 7D Mark II	**ACK-E6** £139.99	**DR-E6** £59.99	AC-E6
EOS 10D EOS 20D EOS 30D EOS 40D EOS 50D	ACK-E2	DR-400	AC-E2
EOS 60D EOS 70D	**ACK-E6** £139.99	**DR-E6** £59.99	AC-E6
EOS 77D	**ACK-E6N** £99.99	**DR-E18** £tbc	AC-E6
EOS 80D EOS 90D	**ACK-E6N**** £99.99	**DR-E6** £59.99	AC-E6N
EOS 100D/Rebel SL1	**ACK-E15** £84.99	**DR-E15** £24.99	CA-PS700
EOS 200D/Rebel SL2 EOS 250D/Rebel SL3	**ACK-E6N** £139.99	**DR-E18** £tbc	AC-E6
EOS 300D/Rebel	ACK-E2	DR-400	AC-E2
EOS 350D/Rebel XT	ACK700	DR-700	CA-PS700
EOS 400D/Rebel XTi	ACK-DC20	DR-700	CA-PS700
EOS 450D/Rebel XSi EOS 500D/Rebel T1i	**ACK-E5** £79.99	**DR-E5** £19.99	CA-PS700
EOS 550D/Rebel T2i EOS 600D/Rebel T3i EOS 650D/Rebel T4i EOS 700D/Rebel T5i	**ACK-E8** £79.99	**DR-E8** £25.99	CA-PS700
EOS 750D/Rebel T6i EOS 760D/Rebel T6s	**ACK-E18** £tbc	**DR-E18** £tbc	AC-E6
EOS 800D/Rebel T7i EOS 850D/Rebel T8i	**ACK-E6N** £99.99	**DR-E18** £tbc	AC-E6
EOS 1000D/Rebel XS	**ACK-E5** £79.99	**DR-E5** £19.99	CA-PS700
EOS 1100D/Rebel T3 EOS 1200D/Rebel T5 EOS 1300D/Rebel T6 EOS 2000D/Rebel T7	**ACK-E10** £84.99	**DR-E10** £24.99	CA-PS700
EOS 4000D/Rebel T100	–	–	–
EOS D30, D60	–	DR400	CA-PS400
EOS M, M2	**ACK-E12** £84.99	DR-E12	CA-PS700
EOS M3, M5 EOS M50, M50 Mark II EOS M6, M6 Mark II	**ACK-E17** £79.99	DR-E17	CA-PS700
EOS M10, M100, M200	**ACK-E12** £84.99	DR-E12	CA-PS700
EOS R	**ACK-E6N**** £99.99	**DR-E6** £59.99	AC-E6N
EOS RP, R10, R50, R100	**ACK-E6N** £99.99	**DR-E18** £37.99	AC-E6
EOS R3	**ACK-E19** £329.99	**DR-E19** £154.99	AC-E19
EOS R5, R5 C, R6, R6 Mark II, R7, R8	**ACK-E6N**** £99.99	**DR-E6** £59.99	AC-E6N

* ACK-E4 can also be used with EOS-1D X Mark II
** ACK-E6 can also be used.

E&OE

Batteries and chargers

EOS digital cameras come with a rechargeable battery and accompanying battery charger as standard. Canon uses two types of battery: nickel metal hydride (Ni-MH), and lithium ion (Li-ion). The Li-ion type houses the latest technology and is the most common battery in the EOS DSLR range.

Canon supplies four ranges of batteries for EOS digital cameras:
NP series large, high capacity professional cameras
BP series for consumer and semi-professional range
NB series smaller and lighter than the BP series
LP series lighter and higher capacity than NP range
Only the NP series are Ni-MH batteries; the remainder are Li-ion.

NP-E3 and NP-E2

The NP-E3 and NP-E2 battery packs can both be recharged using the NC-E2 charger. However, the battery packs are not interchangeable.
NB-E3 Can only be used in the EOS 1D and 1Ds series of cameras.
NB-E2 Designed for the Power Drive Booster PB-E2 (for EOS 1V and EOS 3 film cameras). Slight differences in shape to the NB-E3 mean that this battery pack is not suitable for the EOS 1D and 1Ds series cameras.

BP-511 variations

The BP-511 battery has a few alternatives.
BP-511 A 7.4 volt lithium-ion battery with a capacity of 1100mAh (milliamp hours).
BP-511A Similar to the BP-511, but with a capacity of 1390mAh for a few more exposures.
BP-512 The same technical specification as the BP-511, but it does not have the curved channel down the back. Designed for Canon video cameras. Cannot be used in the EOS D30 and D60. However, the BP-512 will fit other EOS models which accept the BP-511.
BP-514 The same technical specification as the BP-511A, but with the restrictions of the BP-512.

NB-2L and NB-2LH

There are also two versions of the NB-2L battery for the EOS 350D and 400D.
NB-2L A 7.4 volt lithium-ion battery with a capacity of 570mAh (milliamp hours).
NB-2LH Similar to the NB-2L, but with a capacity of 1390mAh for a few more exposures.

Battery chargers

The CA-PS400 can hold and charge two BP-511 batteries at the same time. All the other chargers only accept a single battery.

Where two chargers are shown, the first is for North America and has built-in pins which plug directly into a power socket. The charger with an 'E' suffix is for the European market and comes with power cords to suit the 3-pin UK power points and the 2-pin power points found in other European countries Prices (RRP) are for the European versions.

Car battery chargers

Allows the camera battery to be recharged from a 12 volt car battery power port.

EOS 450D, 500D, 1000D
CBC-E5 £109.99

EOS 5D Mark II, 5D Mark III, 5D Mark IV, 5DS, 5DS R, 6D, 7D, 7D Mark II, 60D, 70D, 80D
CBC-E6 £179.99

Accessories in **BOLD** are current. Items without a price are discontinued, but will probably be available second-hand.

Batteries and chargers for EOS digital cameras

This table shows the rechargeable battery required to power your EOS digital camera, plus the compatible battery charger. E&OE

	battery pack	*battery charger*
EOS-1D	Ni-MH Pack NP-E3	Ni-MH Charger NC-E2
EOS-1D Mark II	Ni-MH Pack NP-E3	Ni-MH Charger NC-E2
EOS-1D Mark II N	Ni-MH Pack NP-E3	Ni-MH Charger NC-E2
EOS-1D Mark III	LP-E4	**LC-E4** £389.99
EOS-1D Mark IV	LP-E4	**LC-E4** £389.99
EOS-1D X	**LP-E4N**[1] £149.99	**LC-E4N**[1] £375.99
EOS-1D X Mark II EOS-1D X Mark III	**LP-E19**[2] £189.99	**LC-E19**[3] £429.99
EOS-1Ds EOS-1Ds Mark II	Ni-MH Pack NP-E3	Ni-MH Charger NC-E2
EOS-1Ds Mark III	LP-E4	**LC-E4** £389.99
EOS 5D	**BP-511A** £99.99	**CG-580 or CB-5L** £49.99
EOS 5D Mark II EOS 5D Mark III	**LP-E6** £80.99	**LC-E6 or LC-E6E** £49.99
EOS 5D Mark IV EOS 5DS / 5DS R	**LP-E6N**[4] £79.99	**LC-E6 or LC-E6E** £49.99
EOS 6D EOS 6D Mark II EOS 7D	**LP-E6** £80.99	**LC-E6 or LC-E6E** £49.99
EOS 7D Mark II	**LP-E6N**[4] £79.99	**LC-E6 or LC-E6E** £49.99
EOS 10D	BP-511	**CB-5L** £49.99
EOS 20D, EOS 30D EOS 40D. EOS 50D	**BP-511A** £99.99	**CG-580 or CB-5L** £49.99
EOS 60D EOS 70D	**LP-E6** £80.99	**LC-E6 or LC-E6E** £49.99
EOS 77D	**LP-E17** £42.99	**LC-E17 or LC-E17E** £49.99
EOS 80D EOS 90D	**LP-E6N**[4] £79.99	**LC-E6 or LC-E6E** £49.99
EOS 100D/Rebel SL1	**LP-E12** £49.99	**LC-E12 or LC-E12E** £54.99
EOS 200D/Rebel SL2 EOS 250D/Rebel SL3	**LP-E17** £42.99	**LC-E17 or LC-E17E** £49.99
EOS 300D/Rebel	BP-511	**CB-5L** £49.99
EOS 350D/Rebel XT	NB-2LH	CB-2LT or CB-2LTE
EOS 400D/Rebel XTi	NB-2LH	CB-2LW or CB-2LWE
EOS 450D/Rebel XSi EOS 500D/Rebel T1i	**LP-E5** £49.99	**LC-E5 or LC-E5E** £49.99
EOS 550D/Rebel T2i EOS 600D/Rebel T3i EOS 650D/Rebel T4i EOS 700D/Rebel T5i	**LP-E8** £44.99	**LC-E8 or LC-E8E** £52.99
EOS 750D/Rebel T6i EOS 760D/Rebel T6s EOS 800D/Rebel T7i EOS 850D/Rebel T8i	**LP-E17** £42.99	**LC-E17 or LC-E17E** £49.99
EOS 1000D/Rebel XS	**LP-E5** £49.99	**LC-E5 or LC-E5E** £49.99
EOS 1100D/Rebel T3 EOS 1200D/Rebel T5 EOS 1300D/Rebel T6 EOS 2000D/Rebel T7 EOS 4000D/Rebel T100	**LP-E10** £49.99	**LC-E10 or LC-E10E** £59.99
EOS D30 EOS D60	BP-511	**CB-5L** £49.99 or CA-PS400
EOS M EOS M2	**LP-E12** £49.99	**LC-E12 or LC-E12E** £54.99
EOS M3 EOS M5	**LP-E17** £42.99	**LC-E17 or LC-E17E** £49.99
EOS M50, M50 Mark II	**LP-E12** £49.99	**LC-E12 or LC-E12E** £54.99
EOS M6, M6 Mark II	**LP-E17E** £42.99	**LC-E17 or LC-E17E** £49.99
EOS M10, M100, M200	**LP-E12** £49.99	**LC-E12 or LC-E12E** £54.99
EOS R[5]	**LP-E6N**[4] £79.99	**LC-E6 or LC-E6E** £49.99
EOS RP[5], R8[5], R10[5]. R50[5] R100	**LP-E17** £42.99	**LC-E17 or LC-E17E** £49.99
EOS R3[5]	**LP-E19**[2] £189.99	**LC-E19**[3] £429.99
EOS R5[5], R5 C[5], R6[5], R6 Mark II[5], R7[5]	**LP-E6NH**[4] £79.99	**LC-E6 or LC-E6E** £49.99

[1] Battery Pack LP-E4 and Battery Charger LC-E4 can be used with the EOS-1D X
[2] Battery Pack LP-E19 can only be charged with the Battery Charger LC-E19.
Battery Packs LP-E4 and LP-E4N can be used in the camera to provide power.
[3] Battery Packs LP-E4 and LP-E4N can be charged with Battery Charger LC-E19.
[4] Battery Pack LP-E6 can also be used, also LP-E6N in EOS R5, R6, R6 Mark II and R7.
[5] USB Power Adapter PD-E1 enables in-camera charging of battery (not compatible with LP-E6)

E&OE

Battery grips

Many photographers buy a battery grip simply because it makes the camera easier to hold. The battery grip extends the camera grip – not by very much, but enough to make a difference if you have large hands. If you can only get two or three fingers around the grip on just the body, you should be able to use three or four fingers when the grip is attached.

There is a certain irony here. Canon provides us with smaller and smaller cameras in response to consumer demand, and then we make the camera larger and heavier by attaching a grip. If the camera is being used with a small lens, a grip might not be needed. However, if you are using a larger lens, a grip will improve the handling of the camera.

More power to your camera

All the digital EOS battery grips let you fit two camera battery packs. One battery pack is supplied with the camera. If you buy a second battery pack and insert both into the battery grip you will get twice the number of shots given by a single pack.

However, for most photographers, this is probably one of the least compelling reasons to buy a grip. A single battery pack will give you anything between 500 to 1000 shots, depending on the camera and how you use it.

If you buy a battery grip to improve the handling of your camera, you can use it with just a single battery pack inserted – the battery you have removed from the camera. Everything will work normally.

You need to ask yourself if you regularly shoot more than 500 or 1000 images in a day. Some photographers do, but for many users a single battery, fully recharged the night before a photo shoot, is adequate.

However, some photographers like the security of a spare, fully charged battery – just in case. This is not a bad idea. If you have a spare battery and a battery grip, you might as well keep both batteries in the grip – unless you find the extra weight of the second battery a problem.

Shooting with six AA-size batteries

A useful feature of many the battery grips is that you can take the camera batteries out and insert six AA/LR6 alkaline batteries.

A set of fully charged alkaline batteries will give you about half the number of shots provided by a fully charged camera battery – so why bother?

Well, if you are travelling and your camera battery becomes exhausted when you are miles from a mains power supply, you will probably be able to buy suitable AA batteries from a local store or gift shop.

Canon recommends that you use AA batteries only in emergencies and that you use six new batteries of the same brand. The batteries might not be effective at low temperatures (below -20°C), nor if old and new batteries are used together.

AA and LR6 batteries

Canon mentions AA and LR6 batteries in the instructions for the battery grips and magazines. What's the difference?

Well, AA refers to the physical size of the battery – 51mm in length and between 13.5 and 14.5mm in diameter.

Within this size a variety of different types of battery are available. Zinc-carbon is used in basic general purpose batteries, with zinc-chloride more suited to heavy duty uses. Nickel-cadmium, nickel-metal hydride and lithium-ion are used for rechargeable batteries.

LR6 batteries are alkaline. They cost a little more than zinc-chloride batteries, but generally last longer and are well-suited to battery grips and Speedlites.

Battery grips for EOS digital cameras

	battery grip	*battery magazine*	
		for one or two camera batteries	*for six AA-size batteries*
EOS-1D EOS-1D Mark II EOS-1D Mark II N EOS-1D Mark III EOS-1D Mark IV EOS-1D X EOS-1D X Mark II EOS-1D X Mark III EOS-1Ds EOS-1Ds Mark II EOS-1Ds Mark III	EOS digital professional cameras have built-in battery grips, complete with a second set of controls for shooting in portrait format. Size AA batteries cannot be fitted.		
EOS 5D	BG-E4	direct fit	BGM-E2
EOS 5D Mark II	BG-E6	direct fit	**BGM-E6** £29.99
EOS 5D Mark III	**BG-E11** £329.99	BGM-E11L	BGM-E11A
EOS 5D Mark IV	**BG-E20** £tbc	tbc	tbc
EOS 5DS / 5DS R	**BG-E11** £329.99	BGM-E11L	BGM-E11A
EOS 6D	**BG-E13** £329.99	BGM-E13L	BGM-E13A
EOS 6D Mark II	**BG-E21** £199.00	tbc	tbc
EOS 7D	BG-E7	direct fit	**BGM-E6** £29.99
EOS 7D Mark II	**BG-E16** £249.99	BGM-E16L	BGM-E16A
EOS 10D	BG-ED3	direct fit	not available
EOS 20D, 30D	BG-E2*	direct fit	BGM-E2
EOS 40D	BG-E2N*	direct fit	BGM-E2
EOS 50D	BG-E2*	direct fit	BGM-E2
EOS 60D	BG-E9	BGM-E9L	BGM-E9A
EOS 70D	**BG-E14** £229.99	BGM-E14L	BGM-E14A
EOS 77D	battery grip not available		
EOS 80D, 90D	**BG-E14** £229.99	BGM-E14L	BGM-E14A
EOS 100D EOS 200D EOS 250D	battery grip not available		
EOS 300D	BG-E1	direct fit	not available
EOS 350D, 400D	BG-E3	BGM-E3L	BGM-E3A
EOS 450D, 500D	BG-E5	BGM-E5L	BGM-E5A
EOS 550D EOS 600D EOS 650D EOS 700D	**BG-E8** £179.99	BGM-E8L	BGM-E8A
EOS 750D, 760D	**BG-E18** £115.99	direct fit	not available
EOS 800D, 850D	battery grip not available		
EOS 1000D	BG-E5	BGM-E5L	BGM-E5A
EOS 1100D EOS 1200D EOS 1300D EOS 2000D EOS 4000D	Canon battery grip not available**		
EOS D30, EOS D60	BG-ED3	direct fit	not available
EOS M-series mirrorless cameras	battery grip not available		
EOS R, Ra	**BG-E22** £329.99	direct fit	not available
EOS RP, R7, R8, R10, R50, R100	battery grip not available		
EOS R3	battery grip built-in		
EOS R5, R5 C, R6 R6 Mark II	**BG-R10** £419.99	direct fit	not available

Direct fit means that the batteries are inserted into the battery grip without the need for a magazine.

* The BG-E2 and BG-E2N are both compatible with the EOS 20D, 30D, 40D and 50D. The BG-E2N was introduced with the EOS 40D and adds a weatherproof seal to the battery compartment.

** There is a Battery Grip BG-E9, and a BG-E11, but no BG-E10. Logically, this would be the grip for the EOS 1100D, 1200D and 1300D, but there is no grip for these cameras mentioned in the instruction manuals. If you do an internet search for BG-E10 you will find quite a few compatible from third-party manufacturers. Our guess is that Canon feels there will be insufficient demand for a grip to fit these entry-level models, but has left its options open.

Camera straps

Hand Strap E1
for EOS-1D, 1D Mark II, 1D Mark II N, 1D Mark III, 1D Mark IV, 1Ds, 1Ds Mark II, 1Ds Mark III and PB-E2, BP-50, VG-10

Hand Strap E2 £29.99
for EOS-1D X, 1D X Mark II, 1D X Mark III, 5D Mark III, 5D Mark IV, 5DS, 5DS R, 6D, 6D Mark II, 7D Mark II, 60D, 70D, 77D, 80D, 90D, 100D, 200D, 250D, 600D, 650D, 700D, 750D, 760D, 800D, 850D, 1100D, 1200D, 1300D, 2000D, 4000D, R, RP, R5, R6, R6 Mark II, R7, R10

Neck Strap L3 £19.99
standard with EOS 1/1N/1V

Neck strap L4
for EOS-1D, 1Ds

Wide strap L5
for EOS-1D Mk II, 1D Mk II N, 1Ds Mk II

Wide Strap L6
for EOS-1D Mk II, 1D Mk II N, 1D Mk III, 1D Mk IV, 1Ds Mk III

Wide Strap L7 £17.99
for EOS-1D X

Neck Strap EM-E1 (BK) £39.99
black neck strap for EOS M-series

Neck Strap EM-E1 (WH) £39.99
white neck strap for EOS M-series

Neck Strap EM-E1 (RE) £39.99
red neck strap for EOS M-series

Neck Strap EM-E1 (BW) £39.99
brown neck strap for EOS M-series

Neck Strap EM-E2 £58.49
premium leather neck strap for EOS M-series

Neck Strap EM-300DB £19.99
nylon neck strap for EOS M-series

Neck Strap EW-100DB £19.99
neck strap for EOS 10D

Wrist Strap ER-E1 (BK) £24.99
black neck strap for EOS M-series

Wrist Strap ER-E1 (WH) £24.99
white neck strap for EOS M-series

Wrist Strap ER-E1 (RE) £24.99
red neck strap for EOS M-series

Wrist Strap ER-E1 (BW) £24.99
brown neck strap for EOS M-series

Wide Strap EW-5DMKII £19.99
wide neck strap for EOS 5D Mk II

Wide Strap EW-5DMKIII £19.99
wide neck strap for EOS 5D Mk III

Wide Strap EW-EOS7D £19.99
wide neck strap for EOS 7D, 7D Mark II

Wide Strap EW-EOS50D
for EOS 50D

Wide Strap EW-EOS6D £19.99
for EOS 6D

Wide Strap EW-EOS60D £19.99
for EOS 60D

Wide Strap EW-EOS70D £19.99
for EOS 70D

Wide Strap EW-100DGR £17.99
for EOS 5D, 20D, 30D, 40D, 50D

Wide Strap EW-100DB
for EOS 10D

Wide Strap EW-100DB II
for EOS 300D, 350D, 400D

Wide Strap EW-100DB III £19.99
for EOS 450D, 500D, 550D, 600D, 1000D

Wide Strap EW-100DB IV £39.99
for EOS 650D, 700D

Wide Strap EW-200D
for EOS 1100D

Wide Strap EW-300D
for EOS 100D

Connect Station CS100

£249.99

EOS 5D Mark IV, 77D, 80D, 750D, 760D, 800D, 1300D, 2000D, 4000D, M3, M5, M50, M6, M10, M100

Connect Station CS100 is an image-storage device that helps you bring your photos and movies together. Acting as a hub for your images and videos you can import via NFC, the new mobile app, as well as USB, SD and CF cards. Once stored, you can relive your moments back on your home television, or wirelessly on your smartphone, tablet or PC, and even share images online for friends and family to view.

Data verification

Allows police, insurance, news and other agencies to verify that a digital image has not been modified. See EOS magazine July-September 2007, page 56.

EOS-1Ds
Data Verification Kit DVK-E1

EOS-1D Mk II, ID Mk II N, 1Ds Mk II, 5D, 20D, 30D
Data Verification Kit DVK-E2
Only compatible with Windows 2000 or XP and requires computer with USB port.

EOS-1D Mk III, 1D Mk IV, 1Ds Mk III, 5D Mk II, 7D, 40D, 50D, 60D, 450D, 500D, 550D, 1000D
Original Data Security Kit OSK-E3
Capable of detecting the slightest (single bit) discrepancy in image data (but see note below). For images shot with the EOS 1D Mark III and a GPS-connected Wireless File Transmitter WFT-E2 it can also be used to verify that GPS data recorded at the time of capture has not been altered.

Data Security Card

Note: In 2010, Russian forensic software firm Elcomsoft published a number of manipulated images which they claimed to have successfully validated with Data Security Kit OSK-E3. See: www.net-security.org/secworld.php?id=10221

Directional Stereo Microphone DM-E1

£274.99

Designed to complement the movie quality of the EOS range, the DM-E1 is a versatile, high-quality microphone. Featuring a classic shotgun design, the DM-E1 provides the ability to adjust the microphone to capture in three different directional patterns. The monaural shotgun mode is best suited for capturing a sound source directly in front of the camera, such as a presenter or reporter. Switching to the 90 and 120 degree modes provides stereo sound for sources that are spread over wider areas, such as an orchestra in a concert hall. The in-built shock mount ensures noise from camera operations and lens zoom are effectively reduced, whilst wind noise is avoided thanks to the windshield. With a 50Hz to 16kHz sound frequency range pick-up, the microphone can capture a wide tonal range, while the 66dB S/N ratio and -42db sensitivity means users have a sensitive microphone with minimal distortion. The DM-E1 is one of the smallest and lightest microphones of its kind. EOS cameras featuring a 3.5mm stereo input socket are compatible, excluding EOS-1D Mark IV and EOS 550D which are not recommended as they do not feature manual volume control.

See page 7 for Directional Stereo Microphone DM-E1D for EOS R3.

Stereo Microphone DM-E100

£99.00

The DM-E100 stereo microphone has an ultra-compact design and is Canon's lightest microphone to date at only 64g. It features an electret condenser design and boasts 120° unidirectional stereo sound down to -40dB sensitivity. Complete with a 66dB S/N (signal/noise) ratio, 100Hz to 10kHz sound frequency pick-up and a wind screen to minimise outdoor background sounds, the microphone captures a clear, wide soundscape with reduced noise.

The microphone does not require a battery to work so you can capture high quality audio the moment the camera is turned on and connected via the 3.5mm jack (compatible cameras only – EOS 200D, 250D, 800D, 850D, 77D, 80D, 90D, M50, M6 Mark II, M200, R3, R6, R6 Mark II, R7, R10,

Tripod Grip HG-100TBR

£99.00

The HG-100TBR is a unique tripod grip for capturing stable footage with lightweight Bluetooth-enabled cameras at a range of angles in a much more creative way. When mounted, the tripod grip enables the camera to rotate 360° left or right (which can also be locked in position). The adjustable camera mount means that the camera can tilt forward 45° and back 90°, which is useful for awkward angles. Furthermore, the tilting tripod head supports vertical movie recording when using with a camera that allows vertical movie shooting, such as the new EOS M200. The grip features an integrated Bluetooth Remote Control BR-E1, making it much simpler to start, stop and re-start recording footage – all one-handed.

Dioptric lenses

Dioptric lenses provide near and far-sighted users with a clear viewfinder image without wearing spectacles. The standard viewfinder is –1 dioptre. Dioptric lenses only handle simple eyesight defects of long and short sight. EOS digital cameras have a built-in dioptric correction from -3 to +1 dioptre (adjustment dial is at the top right of the viewfinder eyepiece).

Dioptric adjustment lens E £9.99
Available in ten strengths from +3 to -4 dioptres. This lens does not come with a soft rubber surround. Various rubber frames are available as separate items (see Eyecups below).

Dioptric adjustment lens Eg £29.99
Available in seven strengths from +3 to -4. Each lens comes in a rubber frame; no additional frame is needed.

Eyecups

Antifog Eyepiece Ec £39.99
Antifog Eyepiece Eg £29.99
Useful in cold weather to prevent user's breath from condensing on the eyepiece lens; also in hot, humid weather to prevent fogging from evaporation around the user's eyes.

Eyecup Eb £9.99
Supplied as standard with compatible cameras.. Provides a soft surround to the viewfinder eyepiece.

Rubber Frame Eb £9.99
Can be used to provide a soft rubber surround when a dioptric adjustment lens is fitted to the eyepiece.

Eyecup Ec / **Eyecup Ec-II** £9.99
Supplied as standard with compatible cameras. Provides a soft surround to the viewfinder eyepiece.

Rubber Frame Ec £9.99
Can be used to provide a soft rubber surround when a dioptric adjustment lens is fitted to the eyepiece.

Eyecup Eg £9.99
Supplied as standard with compatible cameras. Provides a soft surround to the viewfinder eyepiece.

Eyecup Ef £9.99
Supplied as standard. Provides a soft surround to the viewfinder eyepiece.

Rubber Frame Ef £9.99
Can be used to provide a soft rubber surround when a dioptric adjustment lens is fitted to the eyepiece.

	Dioptric	Eyecup	Screen
EOS-1D	Ec-series	Ec-II	Ec
EOS-1D Mark II EOS-1D Mark II N	E-series	Ec-II	Ec
EOS-1D Mark III EOS-1D Mark IV EOS-1D X EOS-1D X Mark II	Eg-series	Eg	Ec
EOS-1D X Mark III	Eg-series	Eg	fixed
EOS-1Ds EOS-1Ds Mark II	Ec-series	Ec-II	Ec
EOS-1Ds Mark III	Eg-series	Eg	Ec
EOS 5D	E-series	Eb	Ee
EOS 5D Mark II	E-series	Eb	Eg
EOS 5D Mark III EOS 5D Mark IV EOS 5DS / 5DS R	Eg-series	Eg	fixed
EOS 6D	E-series	Eb	Eg
EOS 6D Mark II	E-series	Eb	fixed
EOS 7D	Eg-series	Eg	fixed
EOS 7D Mark II	Eg-series	Eg	Eh
EOS 10D EOS 20D EOS 30D	E-series	Eb	fixed
EOS 40D EOS 50D EOS 60D	E-series	Eb	Ef
EOS 70D	E-series	Eb	fixed
EOS 77D	E-series	Ef	fixed
EOS 80D EOS 90D	E-series	Eb	fixed
EOS 100D EOS 200D EOS 250D EOS 300D EOS 350D EOS 400D EOS 450D EOS 500D EOS 550D EOS 600D EOS 650D EOS 700D EOS 750D EOS 760D EOS 800D EOS 850D EOS 1000D EOS 1100D EOS 1200D EOS 1300D EOS 2000D EOS 4000D	E-series	Ef	fixed
EOS D30 EOS D60	E-series	Eb	fixed
EOS R, RP, R3, R5, R5 C, R6, R6 Mark II, R7, R8, R10, R50, R100	Not applicable		

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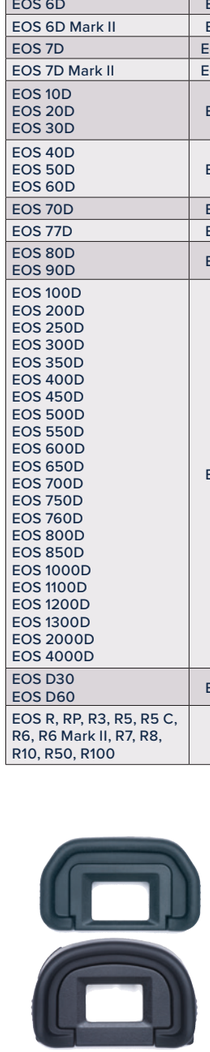
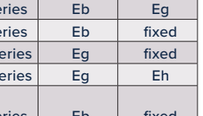
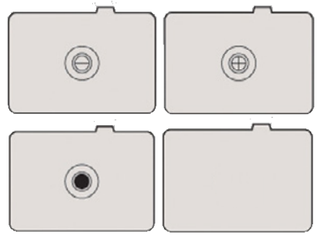


▲ Eyecup Ec-II is for the larger EOS pro models.



▲ Eyecup Eb (above left) is the basic eyecup – it fits all standard viewfinder and is supplied with the camera. Eyecup Ef (above) is for smaller APS-C models in the EOS range. Eyecup Eb also fits, but the Eyecup Ef looks better.



Focusing screens

Some EOS cameras allow you to remove the standard focusing screen and replace it with a different type. *See EOS magazine, July-September 2011, pages 70 to 73.*

Ec screens
Type Ec-A (Microprism) £29.99
Matte field screen with microprism focusing spot in the centre. Used for general photography with all lenses
Type Ec-B (New split) £29.99
Matte field screen with split-image focusing spot in centre. Good for general photography with all lenses.
Type Ec-C (All matte)
Type Ec-C/2 (New type all matte)
Type Ec-C/3 (New type all matte) £29.99
Type Ec-C/4 (Laser matte) £29.99
Standard with EOS 1D Mark III
Type Ec-D (Matte with grid) £29.99
Type Ec-H (Matte/Scale) £29.99
Type Ec-I (Double cross hair) £29.99
Type Ec-L (Cross split image) £29.99
Type Ec-N (New Laser matte) £29.99
standard with EOS 3
Type Ec-S (Precision matte for manual focusing) £29.99

Ee screens
Type Ee-A (Precision matte) £29.99
Type Ee-D (Precision matte with grid) £29.99
Type Ee-S (Precision matte for manual focusing) £29.99

Eg screens
Type Eg-A (Precision matte) £30.99
Type Eg-D (Precision matte with grid) £30.99
Type Eg-S (Precision matte for manual focusing) £30.99

Ef screens
Type Ef-A (Precision matte) £29.99
Type Ef-D (Precision matte with grid) £29.99
Type Ef-S (Precision matte for manual focusing) £29.99

Eh screens
Type Eh-A (Precision matte) £29.99
Type Eh-S (Precision matte for manual focusing with lenses of maximum aperture f2.8 or wider) £29.99

Remote switches

Remote is a relative term. It usually means distant or far away. However, Canon Remote Switches are connected to the camera by an electrical cable which can be as short as 60cm. Here, remote simply means that you can fire the shutter without touching the camera. The switch, actually a button, replicates the action of the camera shutter button. Partial pressure activates the camera's exposure metering and autofocus systems. Full pressure fires the shutter.

EOS digital cameras are fitted with one of two remote sockets. E3 accepts a 2.5mm mini-jack plug which pushes in and out. N3 is a unique Canon plug. When pushed in to the camera socket it locks into place with a click. You have to pull on the base of the plug to release it.

Remote Switch RS-80N3 £49.99
Controls metering and shutter release from up to 80cm. Compatible with Mirror Lock-up function to further reduce camera shake.

Timer Remote Controller TC-80N3 £149.99
Controls metering and shutter release from up to 80cm. Includes built-in self-timer, interval timer, long exposure timer (all from 1 second to 99 hours 59 minutes 59 seconds), plus exposure count setting. Dial input, plus LCD panel with illumination.

Extension Cord ET-1000N3 £99.99
Extends range of Remote Switches TC-80N3 and RS-80N3 by 10 metres.

Remote Switch RS-60E3 £24.99
Controls metering and shutter release from up to 60cm.

Remote Controller Adapter RA-E3
Allows Timer Remote Controller TC-80N3 to be used on cameras which feature the E3 remote socket.

Legacy accessories

Remote Switch RS-60T3
Fits directly to the Kodak/Canon DCS 1 and DCS 3 digital cameras. Controls metering and shutter release; 60cm long. Three-pin connection with locking screw fitting. Originally designed for Canon EOS-1, 1N, 5, T50, T70, T80 and T90 film cameras. Also fits EOS 600, 650, RT cameras via optional grip GR-20.

Extension Cord 1000T3
Extends range of RS-60T3 up to 10 metres.

Remote Switch Adapter RA-N3 £49.99
Allows T3-series remote accessories to be used with digital cameras which accept the N3 remote switch.

Remote Switch Adapter T3
Allows Wireless Controller LC-1 and Remote Switches 3 and 60 (from Canon FD system) to be used on DCS 1, DCS 3.

Cable release adapter T3
Allows a conventional cable release to be used with DCS 1, DCS 3.

	RS-80N3	TC-80N3	RS-60E3
EOS-1D EOS-1D Mark II EOS-1D Mark II N EOS-1D Mark III EOS-1D Mark IV EOS-1D X EOS-1D X Mark II EOS-1D X Mark III EOS-1Ds EOS-1Ds Mark II EOS-1Ds Mark III EOS 5D EOS 5D Mark II EOS 5D Mark III EOS 5D Mark IV EOS 5DS / 5DS R EOS 6D EOS 6D Mark II EOS 7D EOS 7D Mark II EOS 10D EOS 20D EOS 30D EOS 40D EOS 50D	●	●	–
EOS 60D EOS 70D EOS 77D EOS 80D EOS 90D EOS 100D/Rebel SL1 EOS 200D/Rebel SL2 EOS 250D/Rebel SL3 EOS 300D/Rebel EOS 350D/Rebel XT EOS 400D/Rebel XTi EOS 450D/Rebel XSi EOS 500D/Rebel T1i EOS 550D/Rebel T2i EOS 600D/Rebel T3i EOS 650D/Rebel T4i EOS 700D/Rebel T5i EOS 750D/Rebel T6i EOS 760D/Rebel T6s EOS 800D/Rebel T7i EOS 850D/Rebel T7i EOS 1000D/Rebel XS EOS 1100D/Rebel T3 EOS 1200D/Rebel T5 EOS 1300D/Rebel T6 EOS 2000D/Rebel T7	–	◆	●
EOS 4000D/Rebel T100	–	–	–
EOS D30 EOS D60	●	–	–
EOS M EOS M2 EOS M3	–	–	–
EOS M5	–	◆	●
EOS M50	–	–	–
EOS M6 EOS M6 Mark II	–	◆	●
EOS M10 EOS M100 EOS M200	–	–	–
EOS R EOS RP	–	◆	●
EOS R3, R5, R5 C	●	●	–
EOS R6, R6 Mark II, R7, R8, R10, R100	–	◆	●
EOS R50	–	–	–

● Compatible
◆ Compatible when used with Remote Controller Adapter RA-E3

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▲ N3 plug (left) and E3 plug (right).

▲ Remote Switch RS-80N3.

▲ Remote Switch RS-60E3.

▲ Timer Remote Controller TC-80N3.

▲ Remote Controller Adapter RA-E3.

Wireless controllers

There are two parts to a Canon wireless controller. The receiver is connected to the camera's remote socket. The second part is the transmitter, which is a hand-held unit. You aim the transmitter at the receiver and press a button to fire the camera shutter. There have been five wireless controllers in the Canon range, but only the LC-5 is current. All use infrared beams, so line-of-sight is needed between the transmitter and the receiver.

Wireless Controller LC-1
This long-discontinued accessory was designed for the old Canon A and F series cameras, such as the A-1 and F-1. Although it can be used with some EOS cameras by using a cable adapter, it is not recommended.

Wireless Controller LC-2
One of the attractions of the LC-2 is its auto sensing mode. Here, the transmitter sends a continuous infrared beam to the receiver. When this beam is interrupted the receiver fires the camera shutter. The receiver can be positioned away from the camera, connected to it by an extension cable. No other LC unit offers auto sensing. The LC-2 can also act as a conventional wireless remote, but has a line-of-sight range of only about 5 metres, compared to around 60 metres for the LC-1. Requires adapter RA-N3 for N3 socket.

Wireless Controller LC-3
The LC-3 is the first of the range to offer a delay setting – 3.5 seconds. It has a range of 100 metres which can be extended by using additional LC-3 sets as relay stations. The LC-3 was also designed for the remote firing of Speedlites – this was before the Speedlite wireless flash system was introduced. Requires adapter RA-N3 for N3 socket.

Wireless Remote Controller LC-4
The features of the LC-4 are the same as those of the LC-3, but the unit is fitted with the N3 plug for direct connection to many EOS cameras.

Wireless Remote Controller LC-5 £449.99
Among the improvements offered by the LC-5 is the enhanced one-shot release mode (1SR). This allows you to pre-focus the camera and then lie in wait – virtually indefinitely – for the subject to come into range. By pressing the LC-5 transmitter trigger fully, the LC-5 remote receiver can wake the camera from its energy-saving sleep mode and capture the image that you have been waiting for. When not in 1SR mode, you need only depress the remote transmitter's trigger button halfway to engage the camera's autofocus before shooting.

Remote Controller RC-1/RC-4/RC-5/RC-6 £16.99
The RC unit is a small hand-held transmitter – the receiver is built into the camera. Designed to be used when the transmitter is aimed at the front of the camera (ideal for group pictures which include the photographer). Fires from up to 5 metres away. RC-1 and RC-6 offer immediate and 2-second delay modes. RC-5 only has 2-second delay mode.

Remote Controller BR-E1 £39.99
A Bluetooth device which will fire a camera up to 5 metres or more for remote capture. Does not require line-of-sight to operate. Not compatible with all cameras with Bluetooth (EOS M5 and M6, for example.)

	LC	RC-6	BR-E1
EOS-1D EOS-1D Mark II EOS-1D Mark II N EOS-1D Mark III EOS-1D Mark IV EOS-1D X EOS-1D X Mark II EOS-1D X Mark III EOS-1Ds EOS-1Ds Mark II EOS-1Ds Mark III EOS 5D	●	–	–
EOS 5D Mark II EOS 5D Mark III EOS 5D Mark IV EOS 5DS / 5DS R EOS 6D	●	●	–
EOS 6D Mark II EOS 7D EOS 7D Mark II	●	●	●
EOS 10D EOS 20D EOS 30D EOS 40D EOS 50D	●	–	–
EOS 60D EOS 70D	–	●	–
EOS 77D	–	●	●
EOS 80D	–	●	–
EOS 90D	–	●	●
EOS 100D	–	●	–
EOS 200D EOS 250D	–	–	●
EOS 300D EOS 350D EOS 400D EOS 450D EOS 500D EOS 550D EOS 600D EOS 650D EOS 700D EOS 750D EOS 760D	–	●	–
EOS 800D	–	●	●
EOS 850D	–	–	●
EOS 1000D EOS 1100D EOS 1200D EOS 1300D EOS 2000D EOS 4000D	–	–	–
EOS D30 EOS D60	●	–	–
EOS M EOS M2 EOS M3 EOS M5	–	●	–
EOS M50, M50 Mark II	–	–	●
EOS M6	–	●	–
EOS M6 Mark II	–	–	●
EOS M10 EOS M100	–	–	–
EOS M200 EOS R, RP EOS R3, R8, R50	–	–	●
EOS R5, EOS R5 C EOS R6, R6 Mark II EOS R7, R10, R100	–	●	●

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▲ Wireless Controller LC-5. The top unit is the receiver which is attached to the remote socket of the camera (N3 fitting). The other unit is the hand-held transmitter.

▲ Remote Controller RC-6. A smaller and less expensive alternative to the Wireless Controller LC-5, though with reduced operating range. RC units come in different shapes and sizes, some designed for compact cameras.

▲ **Remote Controller BR-E1**

We have provided prices for items that are currently available. Prices quoted are Canon recommended retail prices.

Wireless file transmitters

Wireless file transmitters (WFT) enable the camera to transfer images to an FTP (file transfer protocol) server via wireless or wired LAN (local area network). Images can be transmitted as they are taken, or selected and transmitted later. Studio photographers can take photographs and send them to a computer for immediate evaluation by clients. Sports photographers can send images direct to picture desks or agencies.

Wireless file transmitters are typically used by professional photographers. Recent cameras with built-in wireless features or the new Wireless Adapter W-E1 are probably better suited to enthusiast photographers.

Wireless File Transmitter WFT-E1
Enables high-speed transfer of image files via wireless/wired LAN from camera to FTP server. Choose 'Automatic Transfer' to send image files automatically while shooting and 'Image Selection/Transfer' to transmit files later. Other transfer options allow you to send only JPEG images, for example, when shooting in RAW+JPEG modes. WFT-E1 firmware update 2.0.0 or later is required for use with the EOS 5D, 20D and 30D.

Wireless File Transmitter WFT-E2
Smaller, lighter and more versatile than the WFT-E1. Support for HTTP (hypertext transfer protocol) means that picture editors can connect to the EOS-1D Mark III over the internet, allowing them to view, select and download images from the camera's media card moments after capture. PTP (peer to peer) connection mode enables two-way communication between the EOS-1D Mark III and a computer for wireless remote shooting with EOS Utility software. Designed for the EOS-1D Mark IV, but firmware updates provide compatibility with the EOS-1D Mark III and 1Ds Mark III.

Wireless File Transmitter WFT-E3 £949.99
The WFT-E3 enables rapid wireless image transfer from the camera to remote FTP servers, along with two-way communication through PTP and HTTP. In HTTP mode, remote users can trigger the shutter button or download images from the camera via an internet browser window. PTP mode is used for wireless remote shooting with the EOS 40D and supplied EOS Utility software. If connected to a portable GPS device, the location and time of capture is added to each image.

Wireless File Transmitter WFT-E4
Designed for the EOS 5D Mark II, the transmitter allows you to connect to both wired and wireless LANs and supports FTP, PTP and HTTP. The transmission range is approximately 150m. Requires one LP-E6 battery for operation, which can transfer up to 2100 images (wireless LAN) or 2400 images (wired LAN) under normal conditions. Remote users can trigger the shutter button or download images from the camera via an internet browser window. If connected to a portable GPS device, the location and time of capture is added to each image as EXIF data.

Wireless File Transmitter WFT-E5 £559.99
Similar to WFT-E4, but designed for the EOS 7D.

Wireless File Transmitter WFT-E6 £559.99
Similar to WFT-E5, but designed specifically for the EOS-1D X. Has the ability to display content over a DLNA (Digital Living Network Alliance) connection.

EOS-1D Mark II EOS-1D Mark II N	WFT-E1
EOS-1D Mark III EOS-1D Mark IV	WFT-E2/WFT-E2 II
EOS-1D X	WFT-E6
EOS-1D X Mark II	WFT-E8/WFT-E6
EOS-1D X Mark III	WFT-E9
EOS-1Ds Mark II	WFT-E1
EOS-1Ds Mark III	WFT-E2/WFT-E2 II
EOS 5D	WFT-E1
EOS 5D Mark II	WFT-E4/WFT-E4 II
EOS 5D Mark III EOS 5D Mark IV	WFT-E7
EOS 5DS / 5DS R	WFT-E7/W-E1
EOS 7D	WFT-E5
EOS 7D Mark II	WFT-E7/W-E1
EOS 20D EOS 30D	WFT-E1
EOS 40D EOS 50D	WFT-E3
EOS R	WFT-E7
EOS R5, R5 C	WFT-R10

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Wireless File Transmitter WFT-E7 £769.99
Similar to WFT-E6. For added versatility, it also supports Linked shooting with up to ten other cameras, with Wireless Time syncing ensuring that the time across all receiver devices is aligned with the sender camera in order to maintain consistency across multiple units. If not using version 2 of the transmitter, the WFT-E7 firmware must be updated and Interface Cable IFC-40AB II (£24.99) or IFC-150AB II (£24.99) must be used.

Wireless File Transmitter WFT-E8 £409.99
Featuring fast wireless LAN transmission, enhanced FTP transfer options and remote shooting, the WFT-E8 provides a host of additional functions to exploit the capabilities of the EOS-1D X Mark II. You can shoot, review and playback images or movies remotely thanks to the WFT Server option within the WFT-E8. WFT Server is an update of the previously named HTTP mode and allows full control over the EOS-1D X Mark II camera. You can view what the camera sees and adjust the settings using a remote computer, smartphone or tablet.

Wireless File Transmitter WFT-E9 £849.99
Add the WFT-E9 to your EOS-1D X Mark III for enhanced wireless connectivity, plus the ability to control the camera via a web browser. The WFT-E9 lets you position your EOS-1D X Mark III in difficult or dangerous places to view and shoot remotely via a smart device. You can connect your laptop computer to your camera and begin editing workflow before you get home.

Wireless File Transmitter WFT-R10B *See page 8*

Wi-Fi Adapter W-E1 £39.99
Portable and lightweight, the Wi-Fi Adapter W-E1 is the size of an SD card and fits into the media card slot of a compatible dual card camera. It gives you the freedom to wirelessly transfer images from compatible EOS digital single-lens reflex cameras to iOS and Android smart devices and computers, allowing you to review and display photographs. With the W-E1 you can also shoot remotely directly from a smart device running Canon's Camera Connect app, or from a PC or Mac using EOS Utility software, from up to 10 metres away. Compatible with the EOS 7D Mark II and 5DS / 5DS R.

▲ Some WFTs are quite bulky and fit to the base of the camera (top WFT-E7). Others are smaller and attach to the side of the camera (above WFT-E6).

▲ Wi-Fi Adapter W-E1.

▲ EOS 6D with built-in Wi-Fi.

Built-in Wi-Fi
EOS 5D Mark IV
EOS 1D X Mark III
EOS 6D, 6D Mark II
EOS 70D, 77D
EOS 80D
EOS 90D
EOS 200D
EOS 750D
EOS 760D
EOS 800D
EOS 850D
EOS 1300D
EOS 2000D
EOS 4000D
EOS M2
EOS M3
EOS M5
EOS M50
EOS M6
EOS M10
EOS M100
EOS R, EOS RP
EOS R3 (+ Mobile File Transfer app)
EOS R5, R5 C, EOS R6

▲ Recent EOS digital camera have built-in Wi-Fi. This allows the transfer of image files from the camera without the need for an accessory device.

Accessories for EOS digital cameras
continued

Digital interface cables

Connect your camera to external devices such as computers, printers and televisions.

IFC-600PCU IFC-100U

IFC-XXX
IFC in an abbreviation for 'interface cable' (above). Canon supplies a lot of different types. Most are USB cables (the 'U' in the description). Some use FireWire connections. Most of the cables are black, some are white. Most of the USB cables have a micro-USB end which plugs into the camera and a standard USB plug which connects to a computer or other compatible device (above left). More recent cables are Type C to Type C (above right) – an emerging standard for transferring data. Some cables provide USB 2.0 transfer speed; some of the more recent cables offer the faster USB 3.1 speed. Some of the USB cables are 4 pin to 4 pin, some are 4 pin to 5 or 6 pin. As you can see, the cables are not necessarily interchangeable between EOS cameras. Our advice is to use the Canon cable(s) recommended for your camera (see table right). If buying a camera second-hand, check that the relevant IFC cables are supplied with it.

VC-100
Enables direct image display from EOS to an HD television or a similar display device.

HTC-100
Connects your compatible camera to a TV, display or projector using a 3m mini-HDMI cable. Carries images up to Full HD 1080P for high-definition visual display.

AVC-DC400
Share photos and movies on TVs and displays that have composite video connections (mono audio)

STV-250N, AVC-DC400ST
Stereo Video Cable for stereo audio and video playback from your camera to TV.

Cable protector

Some EOS cameras include a cable protector as standard. This helps to keep cables firmly attached to the camera, avoiding accidental disconnection and terminal damage. The following cameras are supplied with the protector (protectors are not available for other models):
EOS-1D Mark II N
EOS-1D Mark III
EOS-1D Mark IV
EOS-1D X
EOS-1D X Mark II
EOS -1D X Mark III
EOS-1Ds Mark III
EOS 5D Mark IV
EOS 5DS / R
EOS 7D Mark II
EOS R

Camera	Cables (cables shown in bold are supplied with the camera)
EOS-1D	**IFC-200D6**
EOS-1D Mark II EOS-1D Mark II N	**IFC-400PCU, IFC-200D4,** IFC-450D4, IFC-200D44, IFC-450D44, **VC-100**
EOS-1D Mark III	**IFC-200U,** IFC-500U, **VC-100**
EOS-1D Mark IV EOS-1D X	**IFC-200U,** IFC-500U, **AVC-DC400ST,** HTC-100
EOS-1D X Mark II	**IFC-150U,** IFC-500U, HTC-100
EOS-1D X Mark III	**IFC-100U,** IFC-400U, HTC-100
EOS-1Ds	IFC-200D4, IFC-200D6, IFC-450D4, **IFC-450D6**
EOS-1Ds Mark II	IFC-200D4, IFC-200D44, **IFC450D4**, IFC-450D44, **IFC-400PCU, VC-100**
EOS-1Ds Mark III	**IFC-200U, IFC-500U, VC-100**
EOS 5D	**IFC-400PCU, VC-100**
EOS 5D Mark II	**IFC-200U,** IFC-500U, **STV-250N,** HTC-100
EOS 5D Mark III	**IFC-200U,** IFC-500U, **AVC-DC400ST,** HTC-100
EOS 5D Mark IV EOS 5DS / 5DS R	**IFC-150U II,** IFC-500U II, HTC-100
EOS 6D	**IFC-200U,** IFC-500U, **AVC-DC400ST,** HTC-100
EOS 6D Mark II	IFC-200U, IFC-500U, IFC-400PCU, HTC-100
EOS 7D	**IFC-200U,** IFC-500U, **AVC-DC400ST,** HTC-100
EOS 7D Mark II	**IFC-150U II,** IFC-500U II, HTC-100
EOS 10D	**IFC-300PCU, VC-100**
EOS 20D EOS 30D	**IFC-400PCU, VC-100**
EOS 40D	**IFC-200U,** IFC-500U, **VC-100**
EOS 50D	**IFC-200U,** IFC-500U, HTC-100, **VC-100**
EOS 60D	**IFC-[1],** IFC-200U, IFC-500U, **AVC-DC400ST,** HTC-100
EOS 70D	**IFC-[1],** IFC-200U, IFC-500U, AVC-DC400ST, HTC-100
EOS 77D, EOS 80D	IFC-200U, IFC-500U, IFC-400PCU, HTC-100
EOS 90D	IFC-600PCU, HTC-100
EOS 100D	**IFC-[1],** IFC-200U, IFC-500U, AVC-DC400ST, HTC-100
EOS 200D	IFC-200U, IFC-500U, IFC-400PCU, HTC-100
EOS 250D	IFC-600PCU, HTC-100
EOS 300D	**IFC-300PCU, VC-100**
EOS 350D EOS 400D	**IFC-400PCU, VC-100**
EOS 450D	**IFC-200U,** IFC-500U, **VC-100**
EOS 500D	**IFC-200U,** IFC-500U, **AVC-DC400,** HTC-100
EOS 550D EOS 600D	**IFC-[1],** IFC-200U, IFC-500U, **AVC-DC400ST,** HTC-100
EOS 650D EOS 700D EOS 750D EOS 760D	**IFC-[1],** IFC-200U, IFC-500U, AVC-DC400ST, HTC-100
EOS 800D	IFC-200U, IFC-500U, IFC-400PCU, HTC-100
EOS 850D	IFC-600PCU, HTC-100
EOS 1000D	**IFC-200U,** IFC-500U, **VC-100**
EOS 1100D EOS 1200D EOS 1300D	**IFC-[1],** IFC-200U, IFC-500U, HTC-100
EOS 2000D EOS 4000D	IFC-200U, IFC-500U, IFC-400PCU, HTC-100
EOS D30, D60	**IFC-200PCU, VC-100**
EOS M, EOS M2	**IFC-[1],** IFC-200U, IFC-500U, **AVC-DC400ST,** HTC-100
EOS M3	**IFC-400PCU, HTC-100**
EOS M5	**IFC-800PCU,** HTC-100
EOS M50	information not available
EOS M6	USB cable (camera end Micro-B), HTC-100
EOS M6 Mark II	IFC-100U, IFC-400U, HDMI cable
EOS M10	**IFC-400PCU,** HTC-100
EOS M100	information not available
EOS M200	IFC-600PCU
EOS R	**IFC-100U,** IFC-400U, HTC-100
EOS RP	IFC-100U, IFC-400U, HTC-100
EOS R5, R5 C	**IFC-100U,** IFC-400U, HTC-100
EOS R6, R6 Mark II, R7, R8, R10, R50, R100	IFC-100U, IFC-400U, HTC-100

IFC-[1] an interface cable is supplied with the camera, but we do not have details of the type.
The information in this table is based on the System Map given in the camera instruction manuals. E&OE.

Gadget bags

Canon Professional Gadget Bag 1EG £119.99

Canon Deluxe Gadget Bag 10EG £99.99

Canon Custom Gadget Bag 100EG £49.99

Canon camera bag 100BG

Canon Gadget Bag 300EG £79.99

Canon Holster HL 100 £26.49

Canon Shoulder Bag SB100 £29.99

Canon Sling Bag SL100 £55.99

Canon Backpack BP100 £59.99

EOS 300, 300V, 3000, 3000V, 3000N, 5000, 500, 500N
Kit Case

EOS 300, 300V, 3000, 500, 500N, 5000, 100
GBL Gadget bag

EOS 300, 300V, 3000, 500, 500N, 5000, 50, 50E, 5, IX, IX7
GBB 100 Gadget bag (Green)

EOS 300/3000/500/500N/5000/IX7
SV1200P Gadget bag (Black)

EOS 600, 620, 650, RT
Gadget Bag GS-1
Soft brown leather

GPS

Global Positioning System devices

EOS-1D X
GP-E1
Adds location information to EXIF data and geographically tracks the progress of a travelling shoot.

EOS-1D X, 5D Mark III, 5DS. 5DS R, 6D, 7D (with firmware update), 70D, 77D, 80D, 90D, 100D, 200D, 250D, 650D, 700D, 750D, 760D, 800D, 1200D, 1300D, 2000D, M, M2, M3, M10, R, RP, R5, R5 C, R6, R7, R10
GP-E2
£229.99
Tags photos with longitude, latitude and altitude data as well as the direction in which the shot was taken, adding information to the EXIF file of the image. A GPS Logger function also allows photographers to track their route by downloading GPS data at regular intervals, whether the unit is attached to the camera body or stored in its case. A firmware update is needed for compatibility with the EOS 7D.

EOS R3
GPS facility is built-in to camera.

Rain covers

Water repellent rain covers that protect your camera and lens when shooting in bad weather

ERC-E4S (small)
ERC-E4M (medium)
ERC-E4L (large)

ERC-E5S (small) £109.99
Compatibility includes: EF 200mm f2L, EF 400mm f5.6L, EF 28-300mm f3.5-5.6L, EF 70-200mm f2.8L IS II, EF 100-400mm f4.5-5.6L IS II

ERC-E5M (medium) £109.99
Compatibility includes: EF 300mm f2.8L, EF 200-400mm f4L, EF 400mm f4 DO

ERC-E5L (large) £109.99
Compatibility includes: EF 400mm f5.6L, EF 500mm f4L, EF 600mm f4L, EF 800mm f5.6L

Right-angle finders

Attaches to viewfinder eyepiece to provide a new eyepiece at right-angles to the camera. Useful for low-angle photography and copying.

for all EOS single-lens reflex cameras
Angle Finder B
Produces an image the right way up and the right way round. Adapters required for EOS cameras (see below).
Angle Finder Adapter S
converts Angle Finder B from round to square fit (for all EOS models except those with Eye-control focus)
Angle Finder C
£219.99
(right) Similar to Angle Finder B, but magnification can be switched between 1.25x and 2.5x. Supplied with adapters to suit all EOS models.

Viewfinder Extender

Moves eyepiece back 15mm for more comfortable viewing (your nose is less likely to touch and smear the LCD monitor on the back of the camera. However, the viewfinder image will appear around 30% to 50% smaller.

EOS 5D, 5D Mark II, 6D, 6D Mark II, 10D, 20D, 30D, 40D, 50D, 60D, 70D, 80D, 90D, 300D, 350D, 400D, D30, D60
Viewfinder Extender EP-EX15
£19.99

EOS 77D, 100D, 200D, 250D, 450D, 500D, 550D, 600D, 650D, 700D, 750D, 760D, 800D, 850D, 1000D, 1100D, 1200D, 1300D, 2000D, 4000D
Viewfinder Extender EP-EX15II £19.99
Similar to the Viewfinder Extender EP-EX15, but the frame is slightly smaller to give a better appearance with more recent camera models.

Viewfinder magnifier

all EOS models compatible with Eyecup Eb
Magnifier MG-Eb
all EOS models compatible with Eyecup Ef
Magnifier MG-Ef
Replacement for standard eyecup. Helps to check composition and focus by magnifying the view-finder image 1.2x. Available from Canon USA Shop for $36; does not appear to be sold in UK.

all EOS digital single-lens reflex models
Magnifier S
Attaches to viewfinder eyepiece and magnifies centre of image area 2.5x. Useful for close-up photography. Requires Magnifier Adapter S (see below) for EOS models.
Magnifier Adapter S
Converts Magnifier S from round to square fit

Robotic Camera System CR-S700R

The Robotic Camera System CR-S700R is a remote operation solution that enables movement and operation of compatible interchangeable-lens cameras for still photography. A compact and lightweight gateway device that facilitates control of the platform is included. Pair with the Camera Remote Application CR-A100 (sold separately), users can remotely display live-view data from multiple cameras as well as simultaneously capture images, all from a single PC.

– Remote Operation of compatible interchangeable-lens cameras using IP Camera Controller CR-G100.

– Centre-based system where the camera's optical axis is perpendicular to CR-S700R axis of revolution--making operation similar to traditional shooting methods

– Suitable for Press Photography -- capturing still images from unique vantage points not possible before.

Weight: 19kg. Size: 411 x 523 x 382mm. Price: tbc

As of 7 January 2020, compatible with the EOS-1D X Mark III and 1D X Mark II. Compatible interchangeable lenses include the EF 11-24mm f4L USM, EF 16-35mm f2.8L III USM, EF 24-70mm f2.8L II USM, EF 70-200mm f2.8L IS II USM, EF 24-105mm f4L IS II USM and EF 100-400mm f4.5-5.6L IS II USM.

EOS film cameras

Over 20 years of outstanding equipment

There were nearly 40 EOS film cameras. The range was launched with the EOS 650 in 1987 and ended with the EOS 1V, which was discontinued in 2009. Although none of the film cameras are now current, there is plenty of choice on the second-hand market as photographers trade-in their cameras for digital models.

www.eos-magazine.com

Film cameras (all discontinued)

Guide to camera listing

The **date** range shows the year of introduction and, if appropriate, the approximate year the camera was discontinued.

Month and page at the end of descriptions refer to back issues carrying further details. Canon User and Focus were forerunners of EOS magazine.

E&OE While every effort has been made to avoid errors or omissions, you should not make significant purchasing decisions based solely on the content of this guide.

There are no current EOS film cameras. However, there is a buyers' market in second-hand film cameras as photographers switch to digital. You should be able to find any of the more advanced film models at very competitive prices.

Professional

Professional cameras are built to be more durable than other cameras so that they can withstand the constant use and rough treatment often given by professional photographers.

EOS 1 1989-1995
- launch price £899.99 (body only)

The first EOS camera designed for the professional, and the first with a top shutter speed of 1/8000 second. The autofocus sensor is four times more sensitive than that used in the EOS 650, the first EOS camera. The cross-type sensor also allows focusing with horizontally-lined subjects. The camera has a variety of metering modes, including partial, spot and fine spot.
Focus, Summer 1989, page 13

EOS 1N 1994-2001
- launch price £1599.99 (body only)

EOS 1N was the successor to the professional EOS 1. New features included: 5-point autofocus, AIM focus and metering integration, extended AF working range, improved focus prediction, up to 6fps shooting with Drive Booster E1, 3-zone flash metering linked to active focusing point, flash compensation, mirror lock-up, super-quiet film rewind and additional Custom Functions.
Canon User, September 1994, page 1

EOS 1N HS 1994-2001
- launch price £1799.99 (body only)

EOS 1N with Drive Booster Pack E1.

EOS 1N RS 1995-2001
- launch price £2399.99 (body only)

The EOS 1N RS has the same features as the EOS 1N, but adds a pellicle (semi-transparent) mirror to eliminate viewfinder blackout during exposure, and allow shooting at 10fps. Comes with Drive Booster Pack E1 as standard.

EOS 1V 2000-2009
- launch price £1599.99 (body only)

The EOS 1V is the replacement for the EOS 1N. Features include 45-point area focusing, 21-zone evaluative metering, maximum continuous shooting speed of 10fps, 20 Custom Functions, EOS Link software for downloading shooting data to computer, user-selectable number and film ID printed on film leader, 100% viewfinder coverage, compatible with infrared film, advanced water-resistant and dust-proof body, and shutter designed for up to 150,000 cycles.
EOS magazine, March 2000, page 12

EOS LINK SOFTWARE FOR EOS 1V ES-E1 2000-????
- launch price £179.99

For Windows 98, 2000 and Mac OS 8.6-9.x
Allows download of shooting data from camera and customisation of shooting modes.

EOS 3 1998-2006
- launch price £999.99 (body only)

A professional camera, but equally suited to enthusiasts. Incorporates the world's first area AF system, with 45 focusing points, higher speed Eye-control focus and improved high speed focus tracking. Other features include fast, quiet film drive (up to 7fps with Power Drive Booster PB-E2), 18 Custom Functions, 21-zone metering sensor and shutter speeds to 1/8000 second.
EOS magazine, September 1998, page 16

Consumer

Consumer cameras can be divided into entry-level and intermediate groups. The differences are usually in features and price. However, even some of the less expensive entry-level models are now so fully-featured that they will appeal to photographers of all abilities.

EOS 10 1990-1995
- launch price £399.99 (body only)

The EOS 10 was the world's first camera with a bar-code program – supplied with a book of codes which can be transferred to the camera via a bar-code reader. Quartz Date version available.
Focus, Spring 1990, page 13

EOS 10 Special Edition 1991-1993
- launch price £599.99 (with EF 35-135mm f4-5.6 lens)

The EOS 10 Special Edition model was introduced in 1991 to commemorate Canon's production of 60 million cameras (56 years of camera production, 135 camera models, average of two cameras every minute since 1935). The Special Edition camera features the same specification as the standard EOS 10, but has an attractive metallic grey finish. It came with the EF 35-135mm zoom lens in the same finish.

EOS 100 1991-1996
- launch price £299.99 (body only)

Replaced conventional sprocket wheels with a belt-drive mechanism to reduce film transport noise to one-quarter that of comparable cameras. The only other EOS (with the EOS 10) to use bar-code programs. Quartz Date version available. Also available is the EOS 100 Panorama (Japan only).
Canon User, Autumn 1991, page 6

EOS 1000 1990-1992
- launch price £199.99 (body only)

Takes the best features of several previous EOS models and combines them in a body which is smaller and lighter than before. Quartz Date version available (not UK). Also available is the EOS 1000-QDP – a Quartz Date panorama version (Japan only).
Focus, Autumn 1990, page 14

EOS 1000F 1991-1992
- launch price £269.00 (with EF 35-80mm f4-5.6 lens)

Adds a built-in flash to the EOS 1000. Quartz Date version available.
Canon User, Spring 1991, page 10

EOS 1000N 1992-1995
- launch price £269.99 (with EF 35-80mm f4-5.6 USM)

Improved version of EOS 1000; new features include quieter film transport, increased autofocus performance, top shutter speed increased to 1/2000 second, AF in-focus beeper can be turned off, built-in soft focus mode and musical self-timer countdown (choice of three classical excerpts).
Canon User, Spring 1992, page 5

EOS 1000FN 1992-1995
- launch price £299.99 (with EF 35-80mm f4-5.6 USM)

Improved version of EOS 1000F. Offers all the benefits of the EOS 1000N (above), plus increased built-in flash power and red-eye reduction lamp. Quartz Date version available. Also available is the EOS 1000S-QDP – the same camera with Quartz Date back and panorama facility (Japan only).
Canon User, Spring 1992, page 5

EOS 30 2000-2004
- launch price £449.99 (body only)

Replacement for the EOS 50E with 7-point AF, Eye-control focusing, 35-zone metering linked to focusing points, 4fps shooting speed and near-silent operation.
EOS magazine, September 2000, page 10

EOS 30V DATE 2004-2007
- launch price £499.99 (with EF 28-105mm f4-5.6 lens)

Replacement for the EOS 30, offering faster autofocus, faster predictive focusing, and improved continuous shooting speed of 4fps (maximum). The camera retains eye-control focusing, and adds the new distance-linked E-TTL II autoflash system. Features an integral Quartz Date back.
EOS magazine, March 2004, page 62

EOS 33 2001-2004
- launch price £399.99 (body only)

Similar to EOS 30, but without Eye-control focus.

EOS 33V 2004-2006
- launch price £439.99 (with EF 28-105mm f4-5.6 lens)

Replacement for the EOS 33. Similar to the EOS 30V Date, but without eye-control focus and the Quartz Date back.
EOS magazine, March 2004, page 62

EOS 300 1999-2002
- launch price £249.99 (body only)

Replacement for the EOS 500N. Focusing points are increased from 3 to 7, and metering zones from 6 to 35. Film transport is faster and there is a dedicated button for depth-of-field preview. An upgraded version (mostly cosmetic changes) was sold in Japan only as the EOS KISS III L.
EOS magazine, March 1999, page 8

EOS 300V 2002-2004
- launch price £299.99 (with EF 28-90mm f4-5.6 lens)

Replacement for the EOS 300. There is a new style grip and the LCD panel has been enlarged and moved to the camera back. Other changes include a metal lens mount, built-in dioptric eyepiece adjustment, selectable film advance modes, film advance speed of 2.5fps, LCD panel illumination, and improvements to the autofocus speed.
EOS magazine, September 2002, page 12

EOS 300X 2004-2009
- launch price £179.99 (body only)

Replacement for the EOS 300V. The shooting speed is increased to 3fps, the shutter speed to 1/4000 second, the flash sync speed to 1/125 second and the built-in flash guide number to 13. Manual focus point selection is now by cross-keys, there is an AF mode select button, low-light warning, safety shutter release lock and custom functions.
EOS magazine, September 2004, page 64

EOS 3000 1999-2001
- launch price £229.99 (body only)

Replacement for the EOS 5000, but actually an updated version of the EOS 500. No longer an 'automatic-only' camera, the EOS 3000 provides a full range of basic functions, including manual.
EOS magazine, March 1999, page 8

EOS 3000N 2001-2003
- launch price £269.99 (with EF 28-90mm f4-5.6 lens)

Update of the EOS 3000, adding E-TTL autoflash metering, manual focus point selection, Night Scene mode and autoexposure bracketing. Although an entry-level model, it will appeal to creative photographers on a budget.
EOS magazine, September 2001, page 8

EOS 3000V 2003- 2005
- launch price £179.99 (body only)

Replacement for the EOS 3000N. In addition to a new look, there is an improved autofocus speed and more user-selectable features. The result is an entry-level camera which offers complete creative control to the user.
EOS magazine, September 2003, page 64

EOS 5 1992-2002
- launch price £499.99 (body only)

The world's first camera with eye-controlled focus (only operates with camera in horizontal format). Other features include 16-zone exposure sensor, 1/8000 second shutter speed, 5fps from built-in motor drive and 16 custom functions. An almost-professional SLR. The EOS A2, sold in the USA only, was the same camera without eye-control focus.
Canon User, Autumn 1992, page 4

EOS 50 1995-2000
- launch price £449.99 (body only)

Similar to EOS 50E (see below), but without eye-control focus.
Canon User, September 1995, page 8

EOS 50E 1995-2000
- launch price £479.99 (body only)

A 'retro-style' model with two-tone silver/black finish. It is Canon's second camera (after the EOS 5) with eye-control focus, but this now operates in the vertical format as well as horizontal. Other new features include a secondary control dial for focus and film wind modes, plus E-TTL metering when used with Speedlites 380EX or 220EX.
Canon User, September 1995, page 8

EOS 500 1993-1996
- launch price £399.99 (with EF 35-80mm f4-5.6 USM)

Replacing the EOS 1000 series, this camera offers no new features, but in 1993 was the world's smallest and lightest AF SLR with built-in flash. Quartz Date version available. The Rebel X, only sold in the USA, was the same camera without the built-in flash or metered manual system.
Canon User, September 1993, page 4

EOS 500N 1996-1999
- launch price £299.99 (body only)

Essentially the EOS 500 given a 'retro-style' facelift. New features include user-selectable focus points, auto exposure bracketing and a night scene program mode. E-TTL flash metering is available with EX-series Speedlites.
Canon User, September 1996, page 9

EOS 5000 1995-1999
- launch price £329.99 (with EF 38-76mm f4.5-5.6 lens)

An entry-level AF SLR with a full range of AF and other automatic features, but no manual control.
Canon User, March 1995, page 8

EOS 600 1989-1992
- launch price £309.99 (body only)

Adds program image control, predictive autofocusing and custom functions to the EOS 650/620 specifications.
Focus, Spring 1989, page 11

EOS 620 1987-1989
- launch price £409.99 (body only)

A more highly specified version of the EOS 650. The top shutter speed is 1/4000 second with flash synchronization at 1/250 second. This is the first EOS with a program shift function and auto exposure bracketing.
Focus, Summer 1987, page 26

EOS 650 1987-1989
- launch price £299.99 (body only)

Canon's first EOS camera, introducing the first new Canon lens mount in over 20 years. The camera features the latest technologies of the time, including a super microcomputer and a BASIS sensor for high-precision autofocusing.
Focus, March 1987, page 18

EOS 700 1990-1991
- launch price £329.99 (with EF 35-80mm f4-5.6 Power Zoom)

Features a unique reversible control dial which switches the camera from program image control modes (for beginners), to shutter-priority mode (for more advanced photographers). The EOS 700 was available with the EF 35-80mm f4-5.6 Power Zoom lens – two buttons on top of the lens operate a motorized zoom. This lens was only sold with the camera. Quartz Date version available.
Focus, Spring 1990, page 15

EOS 750 1988-1990
- launch price £209.99 (body only)

The first Canon SLR to feature a built-in flash unit. Exposure is automatic only. The 35-70mm A lens introduced with the camera does not have the 'A/M' switch which allows manual focusing – it is autofocus only. Quartz Date version available.
Focus, Autumn 1998, page 12

EOS 850 1988-1989
- launch price £179.99 (body only)

Similar to the EOS 750, but without built-in flash.
Focus, Autumn 1998, page 12

EOS RT 1989-1992
- launch price £449.00 (body only)

RT is for 'real time'. A fixed semi-translucent reflex mirror eliminates viewfinder blackout during exposure. A reduced shutter release delay gives an exposure closer to the time you press the shutter button. Other features are similar to the EOS 600 on which the RT is based.
Focus, Autumn 1989, page 9

EF-M 1991-1993
- launch price £179.99 (with EF 50mm f1.8 lens)

Not an EOS camera, but accepts EF lenses for manual focusing only. Designed as a low cost entry-level camera which offers an easy upgrade to EOS cameras.
Canon User, Autumn 1991, page 14

Camera chronology 1987-2004

EOS 650	MARCH 1987
EOS 620	MAY 1987
EOS 750	OCTOBER 1988
EOS 850	APRIL 1989
EOS 600	OCTOBER 1989
EOS 1	SEPTEMBER 1989
EOS RT	OCTOBER 1989
EOS 10	MARCH 1990
EOS 700	MARCH 1990
EOS 1000	OCTOBER 1990
EOS 1000F	OCTOBER 1990
EOS 100	AUGUST 1991
EOS 1000N	MARCH 1992
EOS 1000FN	MARCH 1992
EOS 5	NOVEMBER 1992
EOS 500	SEPTEMBER 1993
EOS 1N	NOVEMBER 1994
EOS 5000	JANUARY 1995
EOS 1N RS	MARCH 1995
EOS 50	SEPTEMBER 1995
EOS 50E	SEPTEMBER 1995
EOS 500N	SEPTEMBER 1996
EOS IX	OCTOBER 1996
EOS IX 7	MARCH 1998
EOS 3	NOVEMBER 1998
EOS 3000	MARCH 1999
EOS 300	APRIL 1999
EOS 1V	MARCH 2000
EOS 30	OCTOBER 2000
EOS 3000N	FEBRUARY 2002
EOS 300V	SEPTEMBER 2002
EOS 3000V	SEPTEMBER 2003
EOS 30V DATE	APRIL 2004
EOS 33V	APRIL 2004
EOS 300X	AUGUST 2004

EOS camera names

Europe	USA	Japan
EOS 1	EOS 1	EOS 1
EOS 1N	EOS 1N	EOS 1N
EOS 1N RS	EOS 1N RS	EOS 1N RS
EOS 1V	EOS 1V	EOS 1V
EOS 10	EOS 10S	EOS 10
EOS 100	EOS ELAN	EOS 100
EOS 1000	EOS REBEL	EOS 1000
EOS 1000F	EOS REBEL S	EOS 1000 P
EOS 1000N	EOS REBEL II	EOS 1000 S
EOS 1000FN	EOS REBEL SII	EOS 1000 SP
EOS 3	EOS 3	EOS 3
EOS 30	EOS ELAN 7E	EOS 7
EOS 30V DATE	EOS ELAN 7NE	EOS 7s
EOS 33	EOS ELAN 7	not sold
EOS 33V	EOS ELAN 7N	not sold
EOS 300	EOS REBEL 2000	EOS KISS III
not sold	not sold	EOS KISS III L
EOS 300V	EOS Rebel Ti	EOS KISS 5
EOS 300X	EOS REBEL T2	EOS KISS 7
EOS 3000	EOS 88 (Asia)	EOS 3000
EOS 3000N	EOS REBEL XS N	EOS 66
EOS 3000V	EOS REBEL GII	EOS KISS Lite
EOS 5	EOS A2E	EOS 5
not sold	EOS A2	not sold
EOS 50	EOS ELAN II	not sold
EOS 50E	EOS ELAN IIE	EOS 55
EOS 500	EOS REBEL XS	EOS KISS
not sold	REBEL X	not sold
EOS 500N	EOS REBEL G	NEW EOS KISS
EOS 5000	EOS 888 (in Asia only)	
EOS 600	EOS 630	EOS 630
EOS 620	EOS 620	EOS 620
EOS 650	EOS 650	EOS 650
EOS 700	EOS 700	EOS 700
EOS 750	EOS 750	EOS 750
EOS 850	EOS 850	EOS 850
EOS RT	EOS RT	EOS RT
EOS IX	EOS IX	EOS IX E
EOS IX 7	EOS IX LITE	EOS IX 50

Left Some EOS film cameras were sold under different names in different parts of the world – mostly for marketing reasons. The three main market areas are Europe, the USA and Japan. Some models also had different names in parts of Asia.

Film camera comparison chart

This chart highlights a few of the main features of each EOS film model. More information and detailed specifications for many EOS cameras are available on our website at www.eos-magazine.com. A detailed specification is given in the camera instruction manual.

	Focus points	Eye-control focus	Metering modes	Metering zones	Max. shutter speed	Fastest x-sync	Flash guide no.	Remote socket	Viewfinder coverage	Focusing screens	Exposure compensation	Film wind speed	Custom Functions	Size (mm)	Body weight
EOS FILM CAMERAS (35mm format)															
EOS 1	1	No	E/P/S/C	6	1/8000s	1/250s	–	T3	100%	6	±3 stops	3fps	8	161x107x72	850g
EOS 1N	5	No	E/P/FS/S/C	16	1/8000s	1/250s	–	T3	100%	8	±3 stops	3fps	14	161x112x72	855g
EOS 1N RS	5	No	E/P/FS/S/C	16	1/8000s	1/250s	–	T3	100%	8	±3 stops	3fps	14		1295g
EOS 1V	45	No	E/P/CS/S/MS/C	21	1/8000s	1/250s	–	N3	100%	9	±3 stops	3.5fps	20	161x121x71	945g
EOS 1V HS	45	No	E/P/CS/S/MS/C	21	1/8000s	1/250s	–	N3	100%	9	±3 stops	10fps	20	161x164x82	1380g
EOS 10	3	No	E/P	8	1/4000s	1/125s	12	–	92%	fixed	±5 stops	5fps	14	158x106x70	580g
EOS 100	1	No	E/P/C	6	1/4000s	1/125s	12	–	90%	fixed	±2 stops	3fps	7	154x105x69	575g
EOS 1000	1	No	E/P/C	3	1/1000	1/90s	–	–	90%	fixed	±2 stops	1fps	–	148x96x68	400g
EOS 1000F	1	No	E/P/C	3	1/1000	1/90s	12	–	90%	fixed	±2 stops	1fps	–	148x100x68	450g
EOS 1000N	1	No	E/P/C	3	1/2000s	1/90s	–	–	90%	fixed	±2 stops	1fps	–	148x100x68	410g
EOS 1000FN	1	No	E/P/C	3	1/2000s	1/90s	12	–	90%	fixed	±2 stops	1fps	–	148x100x68	410g
EOS 3	45	Yes	E/P/CP/S/MS/C	21	1/8000s	1/200s	–	N3	97%	9	±3 stops	4.3fps	18	161x119x71	780g
EOS 30	7	Yes	E/P/C	35	1/4000s	1/125s	13	E3	90%	fixed	±2 stops	4fps	13	147x103x69	580g
EOS 30V	7	Yes	E/P/C	35	1/4000s	1/125s	13	E3	90%	fixed	±2 stops	4fps	13	147x103x69	580g
EOS 33	7	No	E/P/C	35	1/4000s	1/125s	13	E3	90%	fixed	±2 stops	4fps	13	147x103x70	580g
EOS 33V	7	No	E/P/C	35	1/4000s	1/125s	13	E3	90%	fixed	±2 stops	4fps	13	147x103x69	580g
EOS 300	7	No	E/P/C	35	1/2000s	1/90s	12	E3	90%	fixed	±2 stops	1.5fps	–	140x90x58	355g
EOS 300V	7	No	E/P/C	35	1/2000s	1/90s	12	E3	90%	fixed	±2 stops	2.5fps	–	130 x88x64	365g
EOS 300X	7	No	E/P/C	35	1/4000s	1/125s	13	E3	90%	fixed	±2 stops	3fps	6	130x90x64	365g
EOS 3000	3	No	E/P/C	6	1/2000s	1/90s	12	E3	90%	fixed	±2 stops	1fps	–	145x92x62	345g
EOS 3000N	3	No	E/P/C	6	1/2000s	1/90s	12	E3	90%	fixed	±2 stops	1fps	–	145x92x62	350g
EOS 3000V	7	No	E/P/C	35	1/2000s	1/90s	12	–	90%	fixed	±2 stops	1.5fps	–	130x88x64	340g
EOS 5	5	Yes	E/S/C	16	1/8000s	1/200s	13	T3	92%	5	±2stops	5fps	16	154x120x74	665g
EOS 50	3	No	E/P/C	6	1/4000s	1/125s	13	E3	92%	fixed	±2 stops	2.5fps	10	152x104x71	590g
EOS 50E	3	Yes	E/P/C	6	1/4000s	1/125s	13	E3	92%	fixed	±2 stops	2.5fps	11	152x104x71	590g
EOS 500	3	No	E/P	6	1/2000s	1/90s	12	E3	90%	fixed	±2 stops	1fps	–	145x92x62	355g
EOS 500N	3	No	E/P	6	1/2000s	1/90s	12	E3	90%	fixed	±2 stops	1fps	–	146x92x62	370g
EOS 5000	3	No	E/P/C	6	1/2000s	1/90s	12	E3	90%	fixed	–	1fps	–	145x92x62	355g
EOS 600	1	No	E/P	6	1/2000s	1/125	–	T3	94%	6	±5 stops	3fps	7	148x108x67	660g
EOS 620	1	No	E/P	6	1/4000s	1/250	–	T3	94%	6	–	3fps	–	148x108x67	660g
EOS 650	1	No	E/P	6	1/2000s	1/125	–	T3	94%	6	±5 stops	5fps	–	148x108x67	700g
EOS 700	1	No	E/P/C	6	1/2000s	1/125s	12	–	92%	fixed	–	1.2fps	–	149x102x69	645g
EOS 750	1	No	E	6	1/2000s	1/125s	12	–	92%	fixed	–	1fps	–	149x102x69	620g
EOS 850	1	No	E	6	1/2000s	1/125s	–	–	92%	fixed	–	1fps	–	149x97x67	560g
EOS RT	1	No	E/P/C	6	1/2000s	1/125s	–	T3	94%	6	±5 stops	5fps	8	148x108x67	660g
EOS FILM CAMERAS (APS format)															
EOS IX	3	No	E/P/C	6	1/4000s	1/200s	11	E3	95%	fixed	±2 stops	2.5fps	–	132x79x58	440g
EOS IX7	3	No	E/P/C	6	1/2000s	1/125s	10	E3	95%	fixed	±2 stops	1fps	–	129x80x63	360g

*** Metering modes:** E = evaluative, P = partial, CS = centre-spot, S = spot, MS = multi-spot, C = centre-weighted

APS cameras

The Advanced Photo System (APS) was launched in 1996 by a consortium of camera and film companies – Canon, Minolta, Nikon, Kodak and Fuji. It was designed as a foolproof system for users who had difficulty loading 35mm film cassettes into cameras. The APS cassette is self-loading and also prevents a cassette of exposed film from being exposed a second time. Although best suited to point-and-shoot cameras, a few more advanced models were also introduced, including these two EOS models from Canon. The legacy of APS is its format. APS-C is now the size of the sensor in many EOS digital cameras.

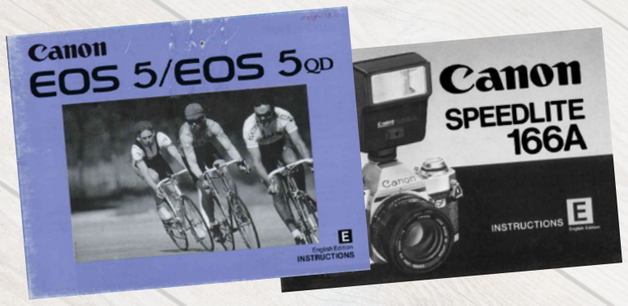
EOS IX 1996-2002
- launch price £479.99 (body only)

Canon's first Advanced Photo System AF SLR. It uses the EF lens mount and accepts the full range of lenses from the EOS system. Offers full range of SLR features (similar specification to EOS 500N). An EOS IXE model, with eye-control focus, was marketed in Japan and some other countries, but not the UK.
Canon User, September 1996, page 6

EOS IX7 1998-2002
- launch price £399.99 (with EF 22-55mm f4-5.6 USM)

Canon's second Advanced Photo System AF SLR. It is smaller and lighter than the EOS IX and adds new features, but has a reduced specification in other areas.
EOS magazine, March 1998, page 4

Canon instruction manuals
complete archive for EOS film cameras



www.eos-magazine-shop.com

Accessories for EOS film cameras

Enhance your camera outfit

Lenses and Speedlites are just part of the system of accessories available for your EOS film camera. Whatever your area of interest, there is almost certain to be something designed to help with your photography. The following pages cover the complete range, including discontinued items you might come across second-hand. Accessories for EOS digital cameras have their own section.

APS Accessories

Film Cartridge Player
For viewing film images on a television screen
Case for Film Cartridge Player
Film Viewer IW50
Supplied with 4x loupe and film protection plate

Bar-Code Accessories

for EOS 100 and EOS 10
Bar-code reader and book
101 Bar-codes book

Battery grips

Most battery grips/ packs attach to the base of the camera to give extra battery power. They also provide a grip for easier handling of the camera, especially when held for vertical format images.

EOS-1, 1N, 1V, 3 (not EOS 1N RS)
Battery Pack BP-E1
Attaches to base of camera. An alternative to the Power Booster E1 when an increase in shooting speed is not required. Battery Magazine BP-E1 (below) houses four AA batteries and one 2CR5 lithium battery; power source can be switched between the two types of batteries.
Battery Magazine BM-1 £29.99
Supplied as standard with Battery Pack BP-E1.

EOS 30, 30V Date, 33, 33V
Battery pack BP-300
Attaches to base of camera. Has vertical grip shutter button. Requires four AA or two CR123A batteries.

EOS 300
Battery pack BP-200
Attaches to base of camera. Has vertical grip shutter button. Requires four AA batteries (alkaline, Ni-Cd or Ni-Mh; lithium not suitable)

EOS 300V
Battery pack BP-220
Attaches to base of camera. Has vertical grip shutter button. Requires four AA batteries. Hand Strap E1 can be attached.

EOS 5
Battery pack BP-5
Attaches to belt. Large capacity, long life pack. Requires four D cells.

EOS 50, 50E
Battery Pack BP-50
Attaches to base of camera. Combined power pack and vertical holding grip. Uses four AA batteries or one 2CR5 battery.

Battery Pack BP-5B
Attaches to belt. Used with BP-50 for extended power. Requires four D cells.

EOS 500, 500N, 3000, 3000N, 5000
Battery Pack BP-8
Attaches to base of camera. Requires four AA batteries.

Camera cases

'S' case accepts standard 50mm lens; 'L' case accepts short zoom lenses; 'LL' case accepts medium zoom lenses

EOS 1
EH2 Back case, EF2 Front case S
EF2 Front case L
EF2 Front case LL
EB2 Back case, EH2 Type S
EH2 Type L, EH2 Type LL

EOS 1N
EH2N Type L, EH2N Type LL

EOS 10
EH3 Type L, EH3 Type LL

EOS 1000 series, EF-M
EH5, EH5S

EOS 100
EH6 Type L, EH6 Type LL

EOS 5, 50, 50E
EH7 Type L, EH7 Type LL
EH9 Type L

EOS 300, 300V, 3000, 3000V, 500, 500N, 5000
SB5 Soft case
+ short zoom lens + Extension Grip GR80TP
EH8 Type L, EH8N Type L
EH8N Type LL

EOS IX/IX 7
EH10 Type L, EH12 Type L

EOS 1V/3
EH11 Type L, EH11 Type LL

EOS 300
EH13 Type L

EOS 30/33
EH14 Type L

EOS 300V, 300X
EH15 Type L

EOS 600, 620, 650, RT
EOS Type S, EOS Type L
EOS Type LL, Front Case S Front Case L, Front Case LL
Back Case EOS, Snap Case SA-4
Soft pouch
Snap Case SB-4 Soft pouch

EOS 700/750/850
750 Type S, 750 Type LL
Front Case 750S, Front Case 750L
Front Case 750LL, Back Case 750

Camera straps

Hand Strap E1
for PB-E2, BP-50, VG-10
Neck Strap L3 £19.99
standard with EOS 1/1N/1V
Wide Strap EW500
Wide Strap EW500GB
standard with EOS 3
Wide Strap EW100 (Green)
Wide Strap EW100 (Black)
Wide Strap EW10GY
for EOS IX
Wide Strap EW10BG
for EOS IX7

Camera grips

Grips attach to the camera to make holding easier, especially if you have large hands or frequently use the camera for vertical format images.

EOS 1, 1N, 1V, 3 (not 1N RS)
Grip GR-E1
Grip with battery chamber

Grip GR-E2 £49.99
Similar to GR-E1, but with internal protection to shield battery from moisture and cold temperatures. Supplied as standard with EOS 1V.

EOS 5
Vertical holding grip VG10
Features shutter button, AE Lock button, main dial and focusing point selection button for easier handling when the camera is held vertically.

EOS 100, 1000 series
Grip Extension GR70
With wrist strap

EOS 3000, 3000N, 500, 500N, 5000
Grip extension GR-80TP £44.99
Features a built-in mini tripod.

EOS 300
Grip extension GR-100TP
Features a built-in mini tripod; ball head

EOS 10
Grip Extension GR60
With wrist strap

EOS 600, RT, 620, 650
Grip L GR10
Larger grip than standard
Grip L GR20
Incorporates remote socket
Grip L GR30
Standard grip (no remote socket)

EOS 750, 850
Grip L GR50
Larger grip than standard

Dioptric lenses

Dioptric lenses provide near and far-sighted users with a clear viewfinder image without wearing spectacles. Standard viewfinder is –1 dioptre. Canon dioptric adjustment lenses only handle simple eyesight defects of long and short sight – they may not help other eyesight problems.

all EOS film models except those listed below
Dioptric adjustment lens E £9.99
Available in ten strengths from +3 to -4. Requires Rubber Frame EC (not supplied)

EOS 3, 30, 30V Date, 33, 33V, 5, 50, 50E
Dioptric adjustment lens Ed £29.99
Available in ten strengths from +3 to -4. Includes rubber eyepiece surround

EOS IX, IX7
Dioptric adjustment lens EE

Accessories without a price have been discontinued, but will probably be available second-hand.

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Eyecups

See EOS magazine March 2004, page 35 for a guide to Eyecups.

EOS 3, 30, 30V Date, 33, 33V, 5, 50, 50E
Anti-fog Eyecup ED £39.99

EOS 1D, 1D Mk II, 1D Mk II N, 1Ds, 1Ds Mk II
Antifog Eyecup EC £39.99

All EOS film models except EOS 3, 30, 30V Date, 33, 33V, 5, 50, 50E, IX, IX7
Eyecup EB £9.99
Supplied as standard. Provides a soft surround to the viewfinder eyepiece
Rubber Frame EB £9.99
Used to fit dioptric adjustment lens to eyepiece

EOS 1, 1N, 1N RS, 1V,
Eyecup EC
Eyecup ECII £9.99
Supplied as standard. Provides a soft surround to the viewfinder eyepiece
Rubber Frame EC £9.99
Used to fit dioptric adjustment lens to eyepiece

EOS 3, 30, 30V Date, 33, 33V, 5, 50, 50E
Eyecup ED £9.99
Provides a soft surround to the viewfinder eyepiece
Eyecup ED-E £9.99
Has a rubber lip which forms a seal between your eye and the viewfinder to stop strong light reaching the viewfinder when using Eye-control focus
Rubber Frame ED
Used to fit dioptric adjustment lens to eyepiece

EOS 300V, 300X
Eyecup EF
Supplied as standard. Provides a soft surround to the viewfinder eyepiece
Rubber Frame EF
Used to fit dioptric adjustment lens to eyepiece

EOS IX, IX7
Eyecup EE
Supplied as standard. Provides a soft surround to the viewfinder eyepiece

Focusing screens

Some EOS cameras allow you to remove the standard focusing screen and replace it with a different type.

EOS 1, 1N, 1V, 3,
Type Ec-A (Microprism) £29.99
Matte field screen with microprism focusing spot in the centre. Used for general photography with all lenses
Type Ec-B (New split) £29.99
Matte field screen with split-image focusing spot in centre. Good for general photography with all lenses.
Type Ec-C (All matte)
Type Ec-C/2 (New type all matte)
Type Ec-C/3 (New type all matte) £29.99
Type EC-C/3 is standard with EOS 1V
Type Ec-C/4 (Laser matte) £29.99
Type EC-C/4 is standard with EOS 1D Mark III
Type Ec-D (Matte with grid) £29.99
Type Ec-H (Matte/Scale) £29.99
Type Ec-I (Double cross hair) £29.99
Type Ec-K (New Laser Matte)
user installed, but can only removed by a repair technician
Type Ec-L (Cross split image) £29.99
Type Ec-N (New Laser matte) £29.99
standard with EOS 3
Type Ec-R (New Laser matte)
standard with EOS 1N RS
Type Ec-S (Precision matte for manual focusing) £29.99

for EOS 5
Type Ed-C (All matte)
Type Ed-D (Matte with grid)
Type Ed-H (Matte/Scale)
Type Ed-NE (Standard matte screen)
Type Ed-O (Matte with focus marks)

EOS 600, 650, 620, RT
Type Eb-A (Microprism)
Type Eb-B (New split)
Type Eb-C (Matte with focus target)
Type Eb-D (Matte with grid)
Type Eb-H (Matte/Scale)
Type Eb-I (Double cross hair)
Type Eb-L (Cross split image)

Gadget bags

Canon Professional Gadget Bag 1EG £119.99

Canon Deluxe Gadget Bag 10EG £99.99

Canon Custom Gadget Bag 100EG £49.99

Canon camera bag 100BG

Canon Gadget Bag 300EG £79.99

EOS 300, 300V, 3000, 3000V, 3000N, 5000, 500, 500N
Kit Case

EOS 300, 300V, 3000, 500, 500N, 5000, 100
GBL Gadget bag

EOS 300, 300V, 3000, 500, 500N, 5000, 50, 50E, 5, IX, IX7
GBB 100 Gadget bag (Green)

EOS 300/3000/500/500N/5000/IX7
SV1200P Gadget bag (Black)

EOS 600, 620, 650, RT
Gadget Bag GS-1
Soft brown leather

Interchangeable backs

Some EOS film cameras allow you to remove one back and replace it with another.

EOS 3
Date Back E2
Equipped with Quick Control Dial and LCD date display. Dates can be printed in the bottom right corner of the frame in a variety of formats up to the year 2019.

EOS 1N, 1N RS, 1
Command Back E1
Prints date, time, frame number or six-digit code onto film. An interval timer will fire the shutter at intervals between 1 second and 24 hours. A self-timer will fire the shutter after a pre-set period between 1 second and 24 hours. A long release timer will hold the shutter open for a pre-set period between 1 second and 24 hours.

EOS 600, RT, 620, 650
Quartz Date Back E
Prints date, time, frame number or six-digit code onto the film. Also records date film was loaded.

EOS 600, 620, 650 (not RT)
Technical Back E
Prints date, time and user comments (up to 30 characters) onto the film. Records shooting data, such as shutter speed, aperture, lens focal length and film speed (total of 13 types of exposure data for 361 exposures). With Interface Unit TB, data can be downloaded and stored on IBM-compatible computers (unit also sold for MSX computers, now discontinued); the camera can also be controlled from the computer. Keyboard Unit E connects to the Technical Back E to allow simple input of comments and other data. The back also allows Auto Exposure Bracketing with up to nine exposures, and controls self-timer, interval timer and long release timer for periods between 1 second and 100 hours.

Power boosters

Power boosters attach to the base of the camera to improve the shooting speed.

EOS 1, 1N, 1V, 3 (not EOS 1N RS)
Power Drive Booster E1
Provides shooting speeds up to 6 fps. Powered by eight AA batteries or dedicated Ni-Cd pack E1. Provides vertical grip with its own shutter button and AE Lock button.
Battery Magazine BP-E1 £29.99
Supplied as standard with Power Drive Booster E1. Takes eight AA batteries. Newer version of the Power Drive Booster E1 (identified by a * next to the AE Lock button) can be used with lithium batteries, as well as Ni-MH, Ni-Cd, Alkaline and Alkaline-manganese batteries; the earlier version should not be used with lithium batteries.
Ni-Cd Pack E1
Rechargeable battery for Power Drive Booster E1. Especially useful at low temperatures.
Ni-Cd Charger E1
Dedicated charger for the Ni-Cd Pack E1.

EOS 1V, 3, also EOS 1, 1N (but not EOS 1N RS)
Power Drive Booster PB-E2 £499.99
Increases the motor drive to maximum of 10fps with the EOS 3, or 10fps with the EOS 1V; vertical grip has its own shutter button, Main Dial, AE Lock button, FE Lock button and focusing point selector. Compatible with EOS 1 and 1N when used with BM-E2 (offering same performance as Power Drive Booster E1). Supplied with BM-E2.
Battery Magazine BM-E2 £44.99
Dedicated battery holder for PB-E2; takes 8 AA-size batteries (alkaline, Ni-Cd, Ni-MH or lithium). Has a yellow mark to distinguish it from the BP-E1 (which has a white mark).
Ni-MH Pack NP-E2
Powerful rechargeable battery back for PB-E2. Can be recharged over 500 times, with each charge having capacity to shoot 70 cassettes of 36-exposure film at 20°C. Cannot be used when PB-E2 is fitted to EOS 1 or 1N.
Ni-MH Charger NC-E2
Dedicated charger for Ni-MH Pack NP-E2. Charging time approx. 100 minutes. Two packs can be charged at the same time.

Remote switches

Remote switches are attached to the camera's remote socket by a short electrical cable.

EOS 1V, 3
Timer Remote Controller
TC-80N3 £149.99
Controls metering and shutter release from up to 80cm. Includes built-in self-timer, interval timer, long exposure timer (all from 1 second to 99 hours 59 minutes 59 seconds), plus exposure count setting. Dial input, plus LCD panel with illumination.
Remote Switch RS-80N3 £49.99
Controls metering and shutter release from up to 80cm. Compatible with Mirror Lock Custom Function to further reduce camera shake.
Extension Cord ET-1000N3 £99.99
Extends range of Remote Switches TC-80N3 and RS-80N3 up to 10 metres.

EOS 30, 30V Date, 33, 33V, 300, 300V, 300X, 3000, 3000N, 50, 50E, 500, 500N, 5000, IX, IX7
Remote Switch RS-60E3 £24.99
Controls metering and shutter release from up to 60cm

EOS 1, 1N, 5, 600, 620, 650, RT
Remote Switch RS-60T3
Controls metering and shutter release; 60cm long
Extension Cord 1000T3
Extends range of RS-60T3 up to 10 metres

Remote Switch Adapter RA-N3 £49.99
Allows T3-series remote accessories to be used with EOS 1V, 3, 1D, 1D Mk II, 1D Mk II N, 1D Mk III, 1Ds, 1Ds Mk II, 1Ds Mk III, 7D, 5D, 5D Mark II, 10D, 20D, 30D, 40D, 50D, D30, D60, D2000

Remote Switch Adapter T3
Allows Wireless Controller LC-1 and Remote Switches 3 and 60 (from Canon FD system) to be used on EOS 1, 1N, 5, 600, 620, 650, RT

Cable release adapter T3
Allows a conventional cable release to be used with EOS 1, 1N, 5, 600, 620, 650, RT

Right-angle finders

Attaches to viewfinder eyepiece to provide a new eyepiece at right-angles to the camera. Useful for low-angle photography and copying.

for all EOS models
Angle Finder B
Produces an image the right way up and the right way round. Adapters required for EOS cameras (see below).
Angle Finder Adapter S
converts Angle Finder B from round to square fit (for all EOS models except those with Eye-control focus)
Adapter ED/2
adapts Angle Finder B and Magnifier S for EOS 3/30/33/5/50/50E/IX/IX7
Angle Finder C £219.99
Similar to Angle Finder B, but magnification can be switched between 1.25x and 2.5x. Supplied with adapters to suit all EOS models.

Viewfinder extender

Moves eyepiece back 15mm for more comfortable viewing (your nose is less likely to touch and smear the LCD monitor on the back of the camera. However, the viewfinder image will appear around 30% to 50% smaller.

All EOS film cameras except EOS 3, 30, 30V Date, 33, 33V, 5, 50, 50E, IX, IX7
Viewfinder Extender EP-EX15
Viewfinder Extender EP-EX15II £19.99
Similar to the Viewfinder Extender EP-EX15, but the frame is slightly smaller to give a better appearance with more recent camera models.

Viewfinder magnifier

all EOS models except EOS 3, 30, 30V Date, 33, 33V, 5, 50, 50E, IX, IX7
Magnifier S
Attaches to viewfinder eyepiece and magnifies centre of image area 2.5x. Useful for close-up photography. Requires Magnifier Adapter S (see below) for EOS models.
Magnifier Adapter S
Converts Magnifier S from round to square fit

Wireless controllers

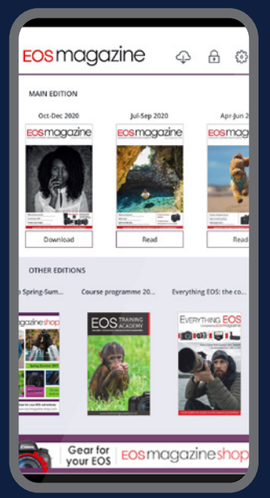
Infrared pulse is sent from a hand-held transmitter to a receiver on or in the camera. This fires the shutter.

EOS 1, 1N, 5, 600, 620, 650, RT
Wireless Infrared Remote Controller LC-1
Consists of transmitter and receiver. Fires camera from up to 60 metres away. Requires Remote Switch Adapter T3 (see below).
Wireless Infrared Remote Controller LC-2
Consists of transmitter and receiver. Fires camera from up to 5 metres away. Includes auto-sensing mode (shutter fires when subject trips infrared beam).
Wireless Infrared Remote Controller LC-3
Fires camera from up to 100 metres away. Additional units can be linked together to extend the range.

10, 100, 30, 30V Date, 33, 33V, 50, 50E, IX
Remote Control RC-1
Remote Control RC-4
Remote Control RC-5
Remote Control RC-6 £16.99
RC unit is a small hand-held transmitter; the receiver is built into the camera. Can only be used when the transmitter is aimed at the front of the camera (ideal for group pictures which include the photographer). Fires from up to 5m away. RC-1 and RC-6 offer immediate and 2-second delay modes. RC-5 only has 2-second delay mode.

Accessories without a price have been discontinued, but will probably be available second-hand.

Let's get digital



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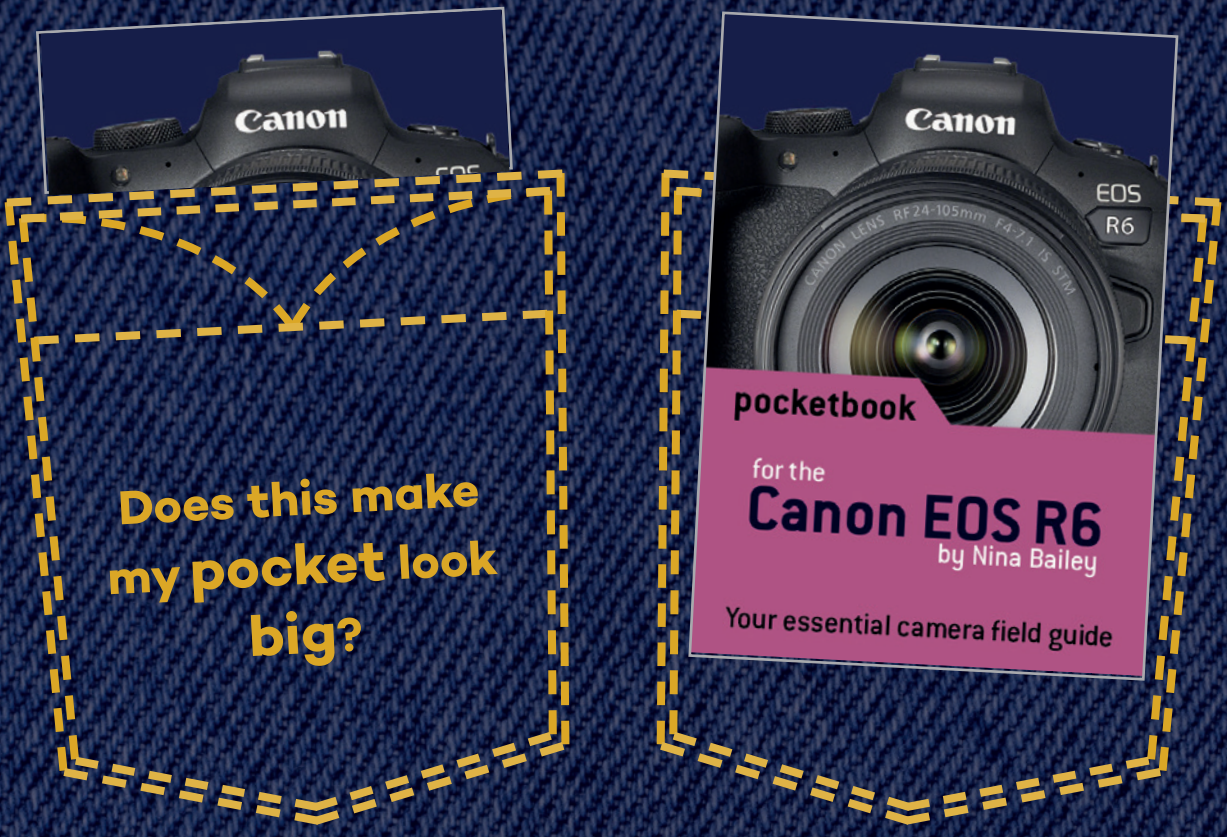

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