



EOS 70D

Capture the moment at seven frames per second

Capture the moment in stunning stills and Full-HD movies with the high performance EOS 70D, featuring 7fps full resolution shooting, an advanced 19-point AF system and Canon's unique Dual Pixel CMOS AF technology.



EOS 70D

you can

20.2 MEGA PIXELS
CMOS

Dual Pixel AF
CMOS

All Cross-type point
19 AF

EOS Movie
FULL HD

3:2 LCD
7.2cm/3.0" ClearView II

ISO
12800
6400

70
Frames
Per Sec

WiFi
CERTIFIED

Product Range

- Capture every detail with a 20.2 megapixel APS-C CMOS sensor and DIGIC 5+ processor
- Follow the action with a 19 cross-type point AF system and 7 fps continuous shooting at full resolution
- Shoot stunning Full-HD movies with fast accurate autofocus thanks to Canon's Dual Pixel CMOS AF technology
- Control your camera remotely and instantly share your images with Wi-Fi
- Keep shooting when light levels fall thanks to ISO 12800 (H:25600)
- Take control of your camera and frame your subjects from multiple angles with a Vari-angle touch screen
- Intelligent viewfinder with approx. 98% frame coverage
- Explore your creativity with HDR, Multiple Exposure and Creative Filters
- Experiment with the extensive EOS System



EOS 700D



EOS 60D



EOS 70D

EOS M
EOS 1100D
EOS 600D
EOS 100D
EOS 700D
EOS 60D
EOS 60Da
EOS 70D
EOS 6D
EOS 7D
EOS 5D Mark III
EOS-1D X
EOS-1D C

Canon

Technical Specifications



IMAGE SENSOR	
Type	22.5mm x 15.0mm CMOS
Effective Pixels	Approx. 20.20 megapixels
Total Pixels	Approx. 20.90 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed with fluorine coating
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour
IMAGE PROCESSOR	
Type	DIGIC 5+
LENS	
Lens Mount	EF/EF-S
Focal Length	Equivalent to 1.6x the focal length of the lens
FOCUSING	
Type	TTL-CT-SiR with a CMOS sensor
AF System/ Points	19 cross-type AF points (extra sensitivity at f/2.8 at centre) ⁽⁶⁾
AF working range	EV -0.5 - 18 (at 23°C & ISO100)
AF Modes	AI Focus One Shot AI Servo
AF Point Selection	Automatic selection: 19 point AF Manual selection: Single point AF Manual selection: Zone AF AF points can be selected separately for vertical and horizontal shooting
Selected AF point display	Indicated by a transmissive LCD in viewfinder and on top LCD panel and Quick Control screen
Predictive AF ⁽⁵⁾	Yes, up to 8m
AF Lock	Locked when shutter button is pressed half way in One Shot AF mode or AF-ON button is pressed
AF Assist Beam	Intermittent firing of built-in flash or emitted by optional dedicated Speedlite
Manual Focus	Selected on lens
AF Microadjustment	C.Fn II-13 +/- 20 steps (wide and tele setting for Zooms) Adjust all lenses by same amount Adjust up to 40 lenses individually Adjustments remembered for lens by serial number
EXPOSURE CONTROL	
Metering modes	TTL full aperture metering with 63 zone Dual Layer SPC (1) Evaluative metering (linked to all AF points) (2) Partial metering (approx. 7.7% of viewfinder at centre) (3) Spot metering (approx. 3.0% viewfinder at centre) (4) Centre weighted average metering
Metering Range	EV 1-20 (at 23°C with 50mm f/1.4 lens ISO100)
AE Lock	Auto: In One-shot AF mode with evaluative metering exposure is locked when focus is achieved Manual: By AE lock button in creative zone modes
Exposure Compensation	+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB)
AEB	2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments
ISO Sensitivity ⁽⁶⁾	Auto (100-12800), 100-12800 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 25600 During Movie shooting: Auto (100-6400), 100-6400 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 12800
SHUTTER	
Type	Electronically-controlled focal-plane shutter
Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
WHITE BALANCE	
Type	Auto white balance with the imaging sensor
Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom, Colour Temperature Setting White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9.
Custom White Balance	Yes, 1 setting can be registered
WB Bracketing	+/-3 levels in single level increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.

VIEWFINDER	
Type	Pentaprism
Coverage (Vertical/Horizontal)	Approx. 98%
Magnification	Approx. 0.95x ⁽³⁾
Eyepoint	Approx. 22mm (from eyepiece lens centre)
Dioptre Correction	-3 to +1 m ⁻¹ (dioptre)
Focusing Screen	Fixed (Transmissive LCD screen)
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF 600mm f/4 IS USM or shorter)
Viewfinder Information	AF information: AF points, focus confirmation, AF area selection mode Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, spot metering circle, exposure warning, AEB. Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light. Image information: Card information, maximum burst (2 digit display), Highlight tone priority (D+). Composition information: Grid, Electronic level (2 methods) Other information: Battery check, Alert symbol
Depth of field preview	Yes, with Depth of Field preview button.
LCD MONITOR	
Type	Vari angle 7.7cm (3.0") 3:2 Clear View II TFT, approx. 1040K dots
Coverage	Approx. 100%
Viewing Angle (horizontally/vertically)	Approx 170°
Coating	Anti-reflection, Solid Structure and Anti smudge
Brightness Adjustment	Adjustable to one of seven levels
Display Options	(1) Quick Control Screen (2) Camera settings (3) Electronic Level
FLASH	
Built-in Flash GN (ISO 100)	12
Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 27mm)
Built-in Flash recycle time	Approx. 3 seconds
Modes	Auto, Manual flash, Integrated Speedlite Transmitter
Red-Eye Reduction	Yes - with red-eye reduction lamp
X-sync	1/250sec
Flash Exposure Compensation	+/- 3EV in 1/2 or 1/3 increments
Flash Exposure Bracketing	Yes, with compatible External Flash
Flash Exposure Lock	Yes
Second Curtain Synchronisation	Yes
HotShoe/ PC terminal	Yes/ No
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support
External Flash Control	Via camera menu screen
SHOOTING	
Modes	Scene Intelligent Auto (Stills and Movie), No Flash, Creative Auto, SCN (Portrait, Landscape, Close-up, Sports, Night Portrait, Handheld Night Scene, HDR Backlight Control), Program AE, Shutter priority AE, Aperture priority AE, Manual (Stills and Movie), Bulb, Custom
Picture Styles	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3)
Colour Space	sRGB and Adobe RGB
Image Processing	Highlight Tone Priority Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings) Multi Shot Noise Reduction Auto Correction of Lens Peripheral illumination and Chromatic aberration correction Basic+ (Shoot by ambience selection, Shoot by lighting or scene type) Creative filters (Art Bold, Water painting, Grainy B/W, Soft focus, Toy camera, Miniature effect, Fish-eye) RAW image processing - during image Playback only Resize to M or S1, S2, S3
Drive modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote), Silent single shooting, Silent continuous shooting
Continuous Shooting	Max. Approx. 7fps. (speed maintained for up to 65 images (JPEG) ⁽¹⁾⁽⁷⁾ (with UHS-I card), 16 images (RAW)) ⁽²⁾⁽⁷⁾

Technical Specifications



LIVE VIEW MODE	
Type	Electronic viewfinder with image sensor
Coverage	Approx. 100% (horizontally and vertically)
Frame Rate	30fps
Focusing	Manual Focus (Magnify the image 5x or 10x at any point on screen) Autofocus: Dual Pixel CMOS AF (Face detection and Tracking AF, FlexiZone-Multi, FlexiZone-Single), Phase detection AF (Quick mode)
Metering	Real-time evaluative metering with image sensor. Evaluative metering, partial metering, spot metering, center-weighted average metering.
Display Options	Grid overlay (x3), Histogram, Multi aspect ratios
FILE TYPE	
Still Image Type	JPEG: Fine, Normal (Exif 2.21 [Exif Print] compliant) / Design rule for Camera File system (2.0), RAW: RAW, M-RAW, S-RAW (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant
RAW+JPEG simultaneous recording	Yes, any combination of RAW + JPEG, M-RAW + JPEG, S-RAW + JPEG possible
Image Size	JPEG 3:2: (L) 5472x3648, (M) 3468x2432, (S1) 2736x1824, (S2) 1920x1280, (S3) 720x480 JPEG 4:3: (L) 4864x3648, (M) 3248x2432, (S1) 2432x1824, (S2) 1696x1280, (S3) 640x480 JPEG 16:9: (L) 5472x3072, (M) 3468x2048, (S1) 2736x1536, (S2) 1920x1080, (S3) 720x480 JPEG 1:1: (L) 3648x3648, (M) 2432x2432, (S1) 1824x1824, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 5472x3648, (M-RAW) 4104x2736, (S-RAW) 2736x1824
Movie Type	MOV (Video: H.264 Intra frame / inter frame, Sound: Linear PCM, recording level can be manually adjusted by user)
Movie Size	1920 x 1080 (29.97, 25, 23.976 fps) intra or inter frame 1280 x 720 (59.94, 50 fps) intra or inter frame 640 x 480 (29.97, 25 fps) inter frame
Movie Length	Max duration 29min 59sec, Max file size 4GB (If file size exceeds 4GB a new file will be created automatically)
Folders	New folders can be manually created and selected
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset
OTHER FEATURES	
Custom Functions	23 Custom Functions
Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars)
LCD Panel / Illumination	Yes / Yes
Water/ Dust resistance	Yes (equal to EOS-1N)
Sound Memo	No
Intelligent Orientation Sensor	Yes
Playback zoom	1.5x - 10x
Display Formats	(1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) Jump Display
Slide Show	Image selection: All images, by Date, Folder, Movies, Stills Playback time: 1/2/3/5/10/20 seconds Repeat: On/Off Background music: On/Off Transition effect: Off, Slide in 1, Slide in 2, Fade 1, Fade 2, Fade 3
Histogram	Brightness: Yes RGB: Yes
Highlight Alert	Yes
Image Erase/Protection	Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time
Menu Categories	(1) Shooting menu (x6) (2) Playback menu (x3) (3) Setup menu (x4) (4) Custom Functions menu (5) My Menu
Menu Languages	25 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese
Firmware Update	Update possible by the user

INTERFACE	
Computer	Hi-Speed USB
Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5mm Stereo mini jack)
DIRECT PRINT	
Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
PictBridge	Yes
STORAGE	
Type	SD, SDHC or SDXC (UHS-I) card
SUPPORTED OPERATING SYSTEM	
PC & Macintosh	Windows 8 / 7 / 7 SP1 / Vista SP2 / XP SP3 OS X v10.6, v10.7, v10.8
SOFTWARE	
Browsing & Printing	ImageBrowser EX
Image Processing	Digital Photo Professional
Other	PhotoStitch, EOS Utility, Picture Style Editor
POWER SOURCE	
Batteries	Rechargeable Li-ion Battery LP-E6 (supplied), built in for date & settings
Battery life	Approx. 920 (at 23°C, AE 50%, FE 50%) ⁽⁴⁾ Approx. 850 (at 0°C, AE 50%, FE 50%)
Battery Indicator	6 levels + percentage
Power saving	Power turns off after 1, 2, 4, 8, 15 or 30mins
Power Supply & Battery Chargers	AC Adapter Kit ACK-E6, Battery charger LC-E6, Car Battery charger CBC-E6
PHYSICAL SPECIFICATIONS	
Body Materials	Aluminium and polycarbonate resin with glass and conductive fibre
Operating Environment	0 - 40 °C, 85% or less humidity
Dimensions (WxHxD)	139.0 x 104.3 x 78.5mm
Weight (body only)	Approx. 755g (CIPA testing standard, including battery and memory card)
ACCESSORIES	
Viewfinder	Eyecup Eb, E-series Dioptic Adjustment Lens, Eyepiece Extender EP-EX15II, Angle Finder C
Case	Leather case EH21-L
Wireless File Transmitter	Built in
Lenses	All EF and EF-S lenses
Flash	Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)
Battery Grip	BG-E14
Remote Controller/ Switch	Remote Switch RS-60E3, Remote Controller RC-6
Other	Hand Strap E2, GP-E2

All data is based on Canon standard testing methods except where indicated. Subject to change without notice.

1. Large/Fine (Quality B) resolution
2. Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style. Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.
3. With 50mm lens at infinity, -1m-1 dpt
4. Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated
5. With EF 300mm f/2.8L IS USM at 50 kph
6. Recommended Exposure Index
7. Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level
8. Peripheral cross-type AF points will not function as cross-type AF points with the following lenses: EF 35-80mm f4.5-5.6 (II/III/USM), EF35-105mm f4.5-5.6 (USM), EF 80-200mm f4.5-5.6 (II)

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Positioning: A high performance 20.2 megapixel DSLR ideal for advancing photographers

Sales start date: August

Product details

Product name	Mercury Code	EAN Code	Recommended Retail Price
EOS 70D	8469B024AA	8714574610597	£1,079.99 / €1,399.99
EOS 70D + 18-55 IS STM	8469B031AA	8714574610665	£1,199.99 / €1,599.99
EOS 70D + 18-135 IS STM	8469B038AA	8714574610733	£1,399.99 / €1,849.99
Battery Grip BG-E14	8471B001AA	4960999981000	£229.99 / €269.99

Accessories

Product name
Battery Pack LP-E6
Car Battery Charger CBC-E6
ACK-E6
Remote Controller RC-6
GP-E2
Eyecup Eb
Rubber Frame Eb
E-series Dioptic Adjustment Lenses
Eyepiece Extender EP-EX15

Product name
Eyepiece Extender EP-EX15
Angle Finder C
Interface Cable IFC-200U, IFC-500U
Stereo AV Cable: AVC-DC400ST
HDMI Cable: HTC-100
Leather Case EH21-L
Wide Strap
Hand Strap E2

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What's in the box?

(Body only)

- EOS EOS 70D Body
- EYECUP Eb
- Camera Cover R-F-3
- Wide Strap EW-70D
- Battery Pack LP-E6
- Battery Charger LC-E6E
- AC Cable(with E-type plug) 1m
- Interface Cable IFC-400PCU (for USB Connection)

(Body + 18-55ISSTM)

- EOS 70D Body
- EYECUP Eb
- Camera Cover R-F-3
- Wide Strap EW-70D
- Battery Pack LP-E6
- Battery Charger LC-E6E
- AC Cable(with E-type plug) 1m
- Interface Cable IFC-400PCU (for USB Connection)
- EF-S 18-55mm f/3.5-5.6 IS STM
- Lens Cap E-58II
- LENS DUST CAP E

(Body + 18-135ISSTM)

- EOS 70D Body
- EYECUP Eb
- Camera Cover R-F-3
- Wide Strap EW-70D
- Battery Pack LP-E6
- Battery Charger LC-E6E
- AC Cable(with E-type plug) 1m
- Interface Cable IFC-400PCU (for USB Connection)
- EF-S 18-135mm f/3.5-5.6 IS STM
- Lens Cap E-67II
- LENS DUST CAP E

Logistics

		Item		Qty	Width	Length	Height	Weight (Net) Kg.	Weight (Gross) Kg.
EOS 70D BODY	8469B004AA	EA	Each	1	24.4	17.9	13.8	1.036	1.309
		CT	Carton	6	44.1	38	28.6	7.85	8.85
		EP	Euro Pallet	72	120	80	100.8		
			Layers per Pallet	3					
			Cartons per Layer	4					
EOS 70D + EF-S1 8-55ISSTM	8469B011AA	EA	Each	1	24.4	17.9	13.8	1.263	1.530
		CT	Carton	6	44.1	38	28.6	9.18	10.18
		EP	Euro Pallet	72	120	80	100.8		
			Layers per Pallet	3					
			Cartons per Layer	4					
EOS 70D + EF-S 18-135ISSTM	8469B018AA	EA	Each	1	24.4	17.9	13.8	1.540	1.811
		CT	Carton	6	44.1	38	28.6	10.87	11.87
		EP	Euro Pallet	72	120	80	100.8		
			Layers per Pallet	3					
			Cartons per Layer	4					
BATTERY GRIP BG-E14	8471B001AA	EA	Each	1	15.5	9.7	12.9	.422	.553
		CT	Carton	10	50.8	27.8	19.3	5.53	6.16
		EP	Euro Pallet	300	120	80	111.5		
			Layers per Pallet	5					
			Cartons per Layer	6					