

DIGITAL CAMERA		EOS 70D
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) (11)
	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 (7)	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 (8)	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 Coverage (Vertical/Horizontal) Magnification Eyepoint Dioptre Correction Focusing Screen Mirror Viewfinder Information Depth of field preview Eyepiece shutter	Pentaprism Approx. 98% Approx. 0.95x (4) Approx. 22mm (from eyepiece lens centre) -3 to +1 m ⁻¹ (dioptre) Fixed (Transmissive LCD screen) Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF 600mm f/4 IS USM or shorter) 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 Yes, with Depth of Field preview button. On strap
LCD MONITOR		
	Type Coverage Viewing Angle (horizontally/vertically) Coating Brightness Adjustment Display Options	Touch screen Vari angle 7.7cm (3.0") 3:2 Clear View II TFT, approx. 1040K dots Approx. 100% Approx 170° Anti-reflection, Solid Structure and Anti smudge Adjustable to one of seven levels (1) Quick Control Screen (2) Camera settings (3) Electronic Level
FLASH		
	Built-in Flash GN (ISO 100, meters) Built-in Flash Coverage Built-in Flash recycle time Modes Red-Eye Reduction X-sync Flash Exposure Compensation Flash Exposure Bracketing Flash Exposure Lock Second Curtain Synchronisation HotShoe/ PC terminal External Flash Compatibility External Flash Control	12 Up to 17mm focal length (35mm equivalent: 27mm) Approx. 3 seconds Auto, Manual flash, Integrated Speedlite Transmitter Yes - with red-eye reduction lamp 1/250sec +/- 3EV in 1/2 or 1/3 increments Yes, with compatible External Flash Yes Yes Yes/ No E-TTL II with EX series Speedlites, wireless multi-flash support via camera menu screen
SHOOTING		
	Modes Picture Styles Colour Space Image Processing Drive modes Continuous Shooting Intervalometer	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 Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3) sRGB and Adobe RGB 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 Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote), Silent single shooting, Silent continuous shooting Max. Approx. 7fps. (speed maintained for up to 65 images (JPEG)(1)(10)(with UHS-I card), 16 images (RAW)) (2) (10)

LIVE VIEW MODE		
	Type Coverage Frame Rate Focusing Metering Display Options	Electronic viewfinder with image sensor Approx. 100% (horizontally and vertically) 30 fps 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) Real-time evaluative metering with image sensor. Evaluative metering, partial metering, spot metering, center-weighted average metering. Grid overlay (x3), Histogram, Multi aspect ratios
FILE TYPE		
	Still Image Type RAW+JPEG simultaneous recording Image Size Movie Type Movie Size Movie Length Folders File Numbering	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 Yes, any combination of RAW + JPEG, M-RAW + JPEG, S-RAW + JPEG possible 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) 720x408 JPEG 1:1: (L) 3648x3648, (M) 2432x2432, (S1) 1824x1824, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 5472x3648, (M-RAW) 4104x2736, (S-RAW) 2736x1824 MOV (Video: H.264 Intra frame / inter frame, Sound: Linear PCM, recording level can be manually adjusted by user) 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 Max duration 29min 59sec, Max file size 4GB (If file size exceeds 4GB a new file will be created automatically) New folders can be manually created and selected (1) Consecutive numbering (2) Auto reset (3) Manual reset
OTHER FEATURES		
	Custom Functions Metadata Tag LCD Panel / Illumination Water/ Dust resistance Sound Memo Intelligent Orientation Sensor Playback zoom Display Formats Slide Show Histogram Highlight Alert Image Erase/Protection Menu Categories Menu Languages Firmware Update	23 Custom Functions User copyright information (can be set in camera) Image rating (0-5 stars) Yes / Yes Yes (equal to EOS-1N) No Yes 1.5x - 10x (1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) Jump Display 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 Brightness: Yes RGB: Yes Yes Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time (1) Shooting menu (x6) (2) Playback menu (x3) (3) Setup menu (x4) (4) Custom Functions menu (5) My Menu 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 Update possible by the user.

INTERFACE		
	Computer Other	Hi-Speed USB 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 PictBridge	Canon Compact Photo Printers and PIXMA Printers supporting 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 Image Processing Other	ImageBrowser EX Digital Photo Professional PhotoStitch, EOS Utility, Picture Style Editor
POWER SOURCE		
	Batteries Battery life Battery Indicator Power saving Power Supply & Battery Chargers	Rechargeable Li-ion Battery LP-E6 (supplied), built in for date & settings Approx. 920 (at 23°C, AE 50%, FE 50%) (5) Approx. 850 (at 0°C, AE 50%, FE 50%) 6 levels + percentage Power turns off after 1, 2, 4, 8, 15 or 30mins. AC Adapter Kit ACK-E6, Battery charger LC-E6, Car Battery charger CBC-E6
PHYSICAL SPECIFICATIONS		
	Body Materials Operating Environment Dimensions (WxHxD) Weight (body only)	Aluminium and polycarbonate resin with glass and conductive fibre 0 – 40 °C, 85% or less humidity 139.0 x 104.3 x 78.5mm Approx. 755g (CIPA testing standard, including battery and memory card)
ACCESSORIES		
	Viewfinder Case Wireless File Transmitter Lenses Flash Battery Grip Remote Controller/ Switch Other	Eyecup Eb, E-series Dioptic Adjustment Lens, Eyepiece Extender EP-EX15II, Angle Finder C Leather case EH21-L Built in All EF and EF-S lenses 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) BG-E14 Remote Switch RS-60E3, Remote Controller RC-6 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 8) 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.

4 with 50mm lens at infinity, -1m⁻¹ dpt

5 Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated

7 with EF300mm f/2.8L IS USM at 50kph

8 Recommended Exposure Index

10 Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level

11 Peripheral Cross type AF points will not function as a 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)