Specifications for canon digital slr camera eos-700d (18-55is/55-250is

Technical Details

Type	
Type	Digital, single-lens reflex, AF/AE camera with built-in flash
Recording media	SD memory card, SDHC memory card, SDXC memory card * Compatible with UHS-I
Image sensor size	Approx. 22.3 x 14.9mm
Compatible lenses	Canon EF lenses (including EF-S lenses) * Excluding EF-M lenses (35mm-equivalent focal length is approx. 1.6 times the lens focal length)
Lens mount	Canon EF mount
Image Sensor	
Type	CMOS sensor
Effective pixels	Approx. 18.00 megapixels
Aspect ratio	3:2
Dust delete feature	Auto, Manual, Dust Delete Data appending
Recording System	

Recording format	Design rule for Camera File System (DCF) 2.0	
Image type	JPEG, RAW (14-bit Canon original) RAW+JPEG Large simultaneous recording possible	
Recording pixels	L (Large):	Approx. 17.90 megapixels (5184 x 3456)
	M (Medium):	Approx. 8.00 megapixels (3456 x 2304)
	S1 (Small 1):	Approx. 4.50 megapixels (2592 x 1728)
	S2 (Small 2):	Approx. 2.50 megapixels (1920 x 1280)
	S3 (Small 3):	Approx. 350,000 pixels (720 x 480)
	RAW:	Approx. 17.90 megapixels (5184 x 3456)
Image Processing During Shooting		
Picture style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome User Def. 1 - 3	
Basic+	Ambience-based shots, Light / scene-based shots	
White balance	Auto, Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom White balance correction and white balance bracketing features provided * Flash colour temperature information transmission enabled	
Noise reduction	Applicable to long exposures and high ISO speed shots	
Auto image brightness correction	Auto Lighting Optimizer	
Highlight tone priority	Provided	
Lens peripheral illumination correction	Peripheral illumination correction, Chromatic aberration correction	
Viewfinder		
Type	Eye-level pentamirror	
Coverage	Vertical / Horizontal approx. 95% (with Eye point approx. 19mm)	
Magnification	Approx. 0.85x (-1m-¹ with 50mm lens at infinity)	
Eyepoint	Approx. 19mm (from eyepiece lens center at -1m-¹)	
Built-in dioptric adjustment	Approx. -3.0 - +1.0m-¹ (dpt)	
Focusing screen	Fixed, Precision Matte	
Mirror	Quick-return type	
Depth-of-field preview	Provided	

Autofocus		
Type	TTL secondary image-registration, phase detection	
AF points	Nine cross-type AF points (Cross-type AF sensitive to f/2.8 with center AF point)	
Focusing brightness range	EV -0.5 - 18 (center AF point, at 23°C / 73°F, ISO 100)	
AF operation	One-Shot AF, AI Servo AF, AI Focus AF	
AF-assist beam	Small series of flashes fired by built-in flash	
Exposure Control		
Metering modes	63-zone TTL full-aperture metering (1) Evaluative metering (linked to all AF points) (2) Partial metering (approx. 9% of viewfinder at center) (3) Spot metering (approx. 4% of viewfinder at center) (4) Center-weighted average metering	
Metering brightness range	EV 1 - 20 (at 23°C / 73°F with EF50mm f/1.8 II lens, ISO 100)	
Exposure control	Program AE (Scene Intelligent Auto, Flash Off, Creative Auto, Portrait, Landscape, Close-up, Sports, Special scene (Night Portrait, Handheld Night Scene, HDR Backlight Control), Program), Shutter-priority AE, Aperture-priority AE, Manual exposure	
ISO speed (Recommended exposure index)	Basic Zone modes*:	ISO 100 - ISO 6400 set automatically *Portrait: ISO 100, Handheld Night Scene: ISO 100 - ISO 12800 set automatically
	Creative zone modes:	ISO 100 - ISO 12800 set manually (whole-stop increments), ISO 100 - ISO 6400 set automatically, maximum ISO speed settable for ISO Auto, or ISO expansion to "H" (equivalent to ISO 25600)
Exposure compensation	Manual:	±5 stops in 1/3- or 1/2-stop increments
	AEB:	±2 stops in 1/3- or 1/2-stop increments (Can be combined with manual exposure compensation)
AE lock	Auto:	Applied in One-Shot AF with evaluative metering when focus is achieved
	Manual:	With AE lock button
Shutter		
Type	Electronically-controlled, focal-plane shutter	

Shutter speeds	1/4000sec. to 30secs. (Total shutter speed range. Available range varies by shooting mode.), Bulb, X-sync at 1/200sec.

Flash

Built-in flash	Retractable, auto pop-up flash	
	Guide No.:	Approx. 13/43 (ISO 100, in meters/feet)
	Flash coverage:	Approx. 17mm lens angle of view
	Recycling time approx. 3secs.	
	Wireless master function provided	
External flash	EX-series Speedlite (Flash functions settable with the camera)	
Flash metering	E-TTL II autoflash	
Flash exposure compensation	±2 stops in 1/3- or 1/2-stop increments	
FE lock	Provided	
PC terminal	None	

Drive System

Drive mode	Single shooting, continuous shooting, self-timer with 10-secs. or 2-secs. delay and 10-secs. delay with continuous shooting	
Continuous shooting speed	Max. approx. 5.0 shots/sec.	
Max. burst (Approx.):	JPEG Large / Fine:	22 (30) shots
	RAW:	6 (6) shots
	RAW + JPEG Large / Fine:	3 (3) shots
	* Figures in parentheses apply to an UHS-I compatible 8GB card based on Canon's testing standards. * Figures are based on Canon's testing standards (ISO 100 and "Standard" Picture Style) using an 8GB card.	

Live View Shootings

Aspect ratio settings	3:2, 4:3, 16:9, 1:1
Focusing	Hybrid CMOS AF System* (Face+Tracking, FlexiZone-Multi, FlexiZone-Single), Phase-difference detection (Quick mode) Manual focusing (approx. 5x / 10x magnification possible) * Focusing brightness range: EV 1 - 18 (at 23°C / 73°F, ISO 100)
Continuous (pre) AF	Provided

Touch shutter	Provided
Metering modes	Real-time metering with image sensor Evaluative metering (315 zones), Partial metering (approx. 8.8% of Live View screen), Spot metering (approx. 2.8% of Live View screen), Center-weighted average metering
Metering brightness range	EV 0 - 20 (at 23°C / 73°F with EF50mm f/1.4 USM lens, ISO 100)
Creative filters	Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect
Grid display	Two types
Movie Shooting	
Recording format	MOV
Movie	MPEG-4 AVC / H.264 Variable (average) bit rate
Audio	Linear PCM

Recording size and frame rate	1920 x 1080 (Full HD):	30p / 25p / 24p
	1280 x 720 (HD):	60p / 50p
	640 x 480 (SD):	30p / 25p
	* 30p: 29.97 fps, 25p: 25.00 fps, 24p: 23.98 fps, 60p: 59.94 fps, 50p: 50.00 fps	
File size	1920 x 1080 (30p / 25p / 24p):	Approx. 330 MB/min.
	1280 x 720 (60p / 50p):	Approx. 330 MB/min.
	640 x 480 (30p / 25p):	Approx. 82.5 MB/min.

Focusing	Hybrid CMOS AF System* (Face+Tracking, FlexiZone-Multi, FlexiZone-Single) Manual focusing (approx. 5x / 10x magnification possible) * Focusing brightness range: EV 1 - 18 (at 23°C / 73°F, ISO 100)
Metering modes	Center-weighted average and evaluative metering with the image sensor * Automatically set by the focusing mode
Servo AF	Provided

Metering brightness range	EV 0 - 20 (at 23°C / 73°F with EF50mm f/1.4 USM lens, ISO 100)
Exposure control	Program AE for movies and manual exposure
Exposure compensation	±3 stops in 1/3-stop increments (Still photos: ±5 stops)
ISO speed (Recommended exposure index)	Auto ISO range	ISO 100 - ISO 6400 set
	Manual ISO range	ISO 100 - ISO 6400 set automatically / manually, expandable to H (equivalent to ISO 12800)

Video snapshots	Settable to 2 secs. / 4 secs. / 8 secs.
Sound recording	Built-in stereo microphone External stereo microphone terminal provided Sound recording level adjustable, wind filter provided, attenuator provided
Grid display	Two types
LCD Monitor	
Type	TFT color liquid-crystal monitor
Monitor size and dots	Wide, 7.7cm (3.0-in.) (3:2) with approx. 1.04 million dots
Angle adjustment	Possible
Brightness adjustment	Manual (7 levels)
Interface languages	25
Touch screen technology	Capacitive sensing
Feature guide	Displayable
Playback	
Image display formats	Single-image display, Single-image + Info display (Basic info, shooting info, histogram), 4-image index, 9-image index
Zoom magnification	Approx. 1.5x - 10x
Highlight alert	Overexposed highlights blink
Image browsing methods	Single image, jump by 10 or 100 images, by shooting date, by folder, by movies, by stills, by rating
Image rotate	Possible
Ratings	Provided
Movie playback	Enabled (LCD monitor, video / audio OUT, HDMI OUT), Built-in speaker
Image protect	Possible
Slide show	All images, by date, by folder, by movies, by stills, by rating

	Five transition effects selectable
Background music	Selectable for slide shows and movie playback
Post-Processing of Images	
Creative filters	Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect
Resize	Possible
Direct Printing	
Compatible printers	PictBridge-compatible printers
Printable images	JPEG and RAW images
Print ordering	DPOF Version 1.1 compatible
Custom Functions	
Custom functions	8
My menu registration	Possible
Copyright information	Entry and inclusion possible
Interface	
Audio / video OUT / Digital terminal	Analog video (compatible with NTSC / PAL) / stereo audio output Personal computer communication and direct printing (Hi-Speed USB equivalent), GPS Receiver GP-E2 connection
HDMI mini OUT terminal	Type C (auto switching of resolution), CEC-compatible
External microphone IN terminal	3.5mm diameter stereo mini-jack
Remote control terminal	For Remote Switch RS-60E3
Wireless remote control	Remote Controller RC-6
Eye-Fi card	Compatible
Power	
Battery	Battery Pack LP-E8 (Qty 1) * AC Power can be supplied via Adapter Kit ACK-E8 * With Battery Grip BG-E8 attached, size-AA / LR6 batteries
Battery Life (Based on CIPA testing standards)	With viewfinder shooting:	Approx. 440 shots at 23°C / 73°F Approx. 400 shots at 0°C / 32°F
	With Live View shooting:	Approx. 180 shots at 23°C / 73°F Approx. 150 shots at 0°C / 32°F
	Movie	Approx. 1hr. 40mins. at 23°C / 73°F

	shooting:	Approx. 1 hr. 20 min. at 0°C / 32°F (with a fully-charged Battery Pack LP-E8)
Dimensions and Weight		
Dimensions (W x H x D)	Approx. 133.1 x 99.8 x 78.8mm / 5.2 x 3.9 x 3.1in.	
Weight	Approx. 580g / 20.5oz. (CIPA Guidelines) Approx. 525g / 18.5oz. (Body only)	
Operation Environment		
Working temperature range	0°C - 40°C / 32°F - 104°F	
Working humidity	85% or less	

- All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Dimensions, maximum diameter, length and weight listed above are based on CIPA Guidelines (except weight for camera body only).
- Product specifications and the exterior are subject to change without notice.
- If a problem occurs with a non-Canon lens attached to the camera, consult the respective lens maker.

Product Description:

Shoot high-quality Full-HD video with your EOS. Fine control over depth of field allows cinematic-style shallow-focus effects. Image quality is superb, even in at high ISO settings.Choose from a system of lenses, Speedlite flashes and accessories trusted by professional photographers all over the world. Take advantage of specialist macro lenses for close-up photography, or fast-aperture prime lenses for the ultimate in image quality and depth of field control.