



Specifications (EOS 90D)

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Type	Type	Digital single-lens reflex AF/AE camera with built-in flash
	Recording media	SD/SDHC*/SDXC* memory cards * UHS-II and UHS-I cards supported.
	Image sensor size	Approx. 22.3×14.8 mm
	Compatible lenses	Canon EF lenses (including EF-S lenses) * Not including EF-M lenses (Effective angle of view is approx. 1.6 times the indicated focal length.)
	Lens mount	Canon EF mount
Image Sensor	Type	CMOS sensor (supports Dual pixel CMOS AF)
	Effective pixels	Approx. 32.5 megapixels * Rounded to the nearest 100,000.
	Aspect ratio	3:2
	Dust deletion	Auto/Manual/Appending Dust Delete Data
Recording System	Recording format	Design rule for Camera File System (DCF) 2.0
	Image type	JPEG, RAW (14-bit Canon original) RAW+JPEG simultaneous recording possible
	Pixels recorded	L (Large) : Approx. 32.3 megapixels (6960×4640) M (Medium) : Approx. 15.4 megapixels (4800×3200) S1 (Small 1) : Approx. 8.1 megapixels (3472×2320) S2 (Small 2) : Approx. 3.8 megapixels (2400×1600) RAW/C-RAW : Approx. 32.3 megapixels (6960×4640) * Rounded to the nearest 100,000.
	Aspect ratio	3:2, 4:3, 16:9, 1:1
	Folder creation and	Available

	selection		
	File numbering	Continuous, Auto reset, Manual reset	
Image Processing During Shooting	Picture Style	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined 1-3	
	White balance	Auto (Ambience priority), Auto (White priority), Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom, Color temperature setting (approx. 2500-10000 K) White balance correction and white balance bracketing features provided * Flash color temperature information transmission possible	
	Automatic image brightness correction	Auto Lighting Optimizer provided	
	Noise reduction	Applicable to high ISO speed shots and long exposures	
	Highlight tone priority	Available	
	Lens aberration correction	Peripheral illumination correction, Distortion correction, Digital Lens Optimizer, Chromatic aberration correction, Diffraction correction	
Viewfinder	Type	Eye-level pentaprism	
	Field of view (coverage)	Vertical/Horizontal approx. 100% (with eyepoint approx. 22 mm and aspect ratio set to 3:2)	
	Magnification	Approx. 0.95× (-1 m ⁻¹ with 50 mm lens at infinity)	
	Eyepoint	Approx. 22 mm (from eyepiece lens end/at -1 m ⁻¹)	
	Dioptric adjustment range	Approx. -3.0 to +1.0 m ⁻¹ (dpt)	
	Focusing screen	Fixed	
	Grid display	Available	
	Electronic level	Available	
	Function setting display	Battery level (remaining capacity), Shooting mode, AF operation, Image quality (Image type), Drive mode, Metering mode, Flicker detection, Warning! Display	
	Mirror	Quick-return type	
	Depth-of-field preview	Available	
Autofocus	[Viewfinder shooting]	Type	TTL secondary image-registration, phase-difference detection with the dedicated AF sensor
		AF points	Cross-type AF point: Max. 45 points * Number of available AF points, Dual cross-type AF points, and

		Cross-type AF points vary depending on the lens used. * Dual cross-type focusing at f/2.8 with center AF point when Group A (of the AF groups) lenses are used.
	Focusing brightness range	EV -3 to 18 (with the center AF point supporting f/2.8, One-Shot AF, room temperature, ISO 100)
	Focus operation	One-Shot AF, AI Servo AF, AI Focus AF, Manual focusing (MF)
	AF area selection mode	Single-point Spot AF (manual selection), Single-point AF (manual selection), Zone AF (manual selection of zone), Large zone AF (manual selection of zone), Automatic selection AF
	AF point automatic selection conditions	Automatic AF point selection possible based on color information
	AI Servo AF characteristics	Characteristics can be set with Custom Functions for Tracking sensitivity, Acceleration/deceleration tracking, and AF point auto switching
	AF fine adjustment	AF Microadjustment (All lenses by the same amount, Adjust by lens)
	AF-assist beam	Series of small flashes fired by the built-in flash, in an effective range of approx. 4.0 m (13.1 ft.)
[Live View shooting]	Focus method	Dual pixel CMOS AF
	AF method	Face+Tracking, Spot AF, 1-point AF, Zone AF
	Available AF point positions	Max. 5,481 * When selected with the Multi-controller
	Available AF areas when automatically selected	Max. 143
	Magnified view	Approx. 5×/10×
	AF operation	One-Shot AF, Servo AF
	Auto AF operation switching	In Scene Intelligent Auto mode
	Eye Detection AF	Available
	Continuous AF	Available
	AF area	Horizontal: Approx. 88%, Vertical: Approx. 100% Horizontal: Approx. 80%, Vertical: Approx. 80% * Varies depending on factors such as the lens and aspect ratio used
	Focusing brightness range	EV -5 to 18 (f/1.2, center AF point, at room temperature, ISO 100, One-Shot AF)
	Servo AF	Tracking sensitivity, Acceleration/deceleration tracking, and AF

		characteristics	point auto switching
	[Movie recording]	AF area	Horizontal: Approx. 88%, Vertical: Approx. 100% Horizontal: Approx. 80%, Vertical: Approx. 80% * Varies depending on the lens used
		Focusing brightness range	EV -5 to 18 (f/1.2, center AF point, at room temperature, ISO 100, One-Shot AF, 29.97p)
		Movie Servo AF	Available
		Movie Servo AF characteristics	Tracking sensitivity, AF speed

Exposure Control	Metering mode	Viewfinder shooting: TTL open-aperture metering with an approx. 220,000-pixel RGB+IR metering sensor 216-zone (18×12) metering Live View shooting/movie recording: Real-time metering with image sensor 384-zone (24×16) metering
	Metering mode	Still photo shooting: Evaluative metering (linked to all AF points), Partial metering (approx. 6.5% of viewfinder, at center/4.5% of Live View screen), Spot metering (approx. 2.0% of viewfinder, at center/2.6% of Live View screen), Center-weighted average metering Movie recording: Center-weighted average metering, Evaluative metering * Automatically set by the focus method
	Metering brightness range	Viewfinder shooting: EV 1 to 20 (at room temperature, ISO 100) Live View shooting: EV -2 to 20 (at room temperature, ISO 100) Movie recording: EV 0 to 20 (at room temperature, ISO 100)
	Exposure compensation	Manual: ±5 stops in 1/3- or 1/2-stop increments (viewfinder shooting), or ±3 stops in 1/3- or 1/2-stop increments (Live View shooting, movie recording) AEB: ±3 stops in 1/3- or 1/2-stop increments (can be combined with manual exposure compensation)
	AE lock	Auto: For each metering mode, a Custom Function can be used to enable/disable AE lock after focusing in still photo shooting Manual: With AE lock button in still photo shooting Movie recording: With AE lock button
	Flicker reduction	Available in viewfinder shooting
	Mirror lockup	Available in viewfinder shooting
	Bulb timer	Bulb exposure time settable
	Interval timer	Shooting interval and shot count settable
Shooting Mode	Basic Zone	Scene Intelligent Auto Special Scene (Portrait, Group Photo, Landscape, Sports, Kids, Panning, Close-up, Food, Candlelight, Night Portrait, Handheld Night Scene, HDR Backlight Control), Creative filters (Grainy B/W, Soft focus, Fish-eye effect, Water painting effect, Toy camera effect, Miniature effect, HDR art standard, HDR art vivid, HDR art bold, HDR art embossed)
	Creative Zone	Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure, Custom shooting modes (C1/C2)

ISO Speed (Recommended Exposure Index)	Basic Zone	ISO speed set automatically
	Creative Zone	Still photo shooting: ISO Auto (automatically set within ISO 100–25600), manually set within ISO 100–25600 (in 1/3- or 1-stop increments), and expandable to H (equivalent to ISO 51200) Movie recording: ISO Auto (automatically set within ISO 100–12800), manually set within ISO 100–12800 (in 1/3- or 1-stop increments), and expandable to H (equivalent to ISO 25600) HDR movie: ISO speed set automatically
	ISO speed settings	Still photo shooting: ISO speed range can be set, as well as the speed range and minimum shutter speed for auto Movie recording: ISO speed range can be set, as well as the maximum speed for auto and for time-lapse movies recorded with auto
HDR Shooting	Dynamic range adjustment	Auto, ± 1 EV, ± 2 EV, ± 3 EV
	Effects	Natural, Art standard, Art vivid, Art bold, Art embossed
	Auto image alignment	Available
Multiple Exposures	Number of multiple exposures	2 to 9 exposures
	Multiple-exposure control	Additive, Average
Shutter	Type	Electronically-controlled, focal-plane shutter
	Shutter speed	Viewfinder shooting: 1/8000 sec. to 30 sec. (full shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/250 sec. Live View shooting: 1/16000 sec. to 30 sec. (full shutter speed range; available range varies by shooting mode, with 1/16000–1/10000 sec. for electronic shutter), Bulb, X-sync at 1/250 sec. * Setting range differs when recording movies
Drive System	Drive mode	Single shooting, High-speed continuous shooting, Low-speed continuous shooting, continuous shooting in Panning mode, Silent single shooting, Silent continuous shooting, 10-sec. self-timer/remote control, 2-sec. self-timer/remote control, Self-timer: Continuous
	Continuous shooting speed	High-speed continuous shooting: Max. approx. 10 shots/sec. in viewfinder shooting and 11 shots/sec. in Live View shooting * The continuous shooting speed decreases during Anti-flicker shooting, during Live View shooting with Servo AF, or during Live View shooting with an external Speedlite. * The continuous shooting speed for high-speed continuous shooting may be lower, depending on conditions such as these: temperature, battery level, flicker reduction, shutter speed, aperture value, subject conditions, brightness, AF operation, type of lens, use of flash, and shooting settings. Low-speed continuous shooting: Max. approx. 3.0 shots/sec. * The continuous shooting speed decreases during Live View shooting with an external Speedlite. Continuous shooting in Panning mode: Max. approx. 5.7 shots/sec. in viewfinder shooting and 4.3 shots/sec. in Live

		View shooting (at a shutter speed of 1/125 sec. and maximum aperture value) Silent continuous shooting: Max. approx. 3.0 shots/sec.
	Maximum burst	JPEG Large/Fine: Approx. 57 shots (Approx. 58 shots) RAW: Approx. 24 shots (Approx. 25 shots) C-RAW: Approx. 39 shots (Approx. 39 shots) RAW+JPEG Large/Fine: Approx. 23 shots (Approx. 24 shots) C-RAW+JPEG Large/Fine: Approx. 37 shots (Approx. 36 shots) * Measured with an SD card conforming to Canon testing standards (standard: 32 GB UHS-I card / high-speed: 32 GB UHS-II card) and under conditions following the standards (high-speed continuous shooting at ISO 100 using the Standard Picture Style). * Figures in parentheses are the number of shots when a Canon's standard testing UHS-II SD card is used.

Flash	Built-in flash	Retractable manual pop-up flash
	Guide number	Approx. 12 (ISO 100/m) Flash coverage: Approx. 17 mm lens angle of view Recycling time: Approx. 3 sec.
	External Speedlite	EL/EX series Speedlites supported
	Flash metering	E-TTL II autoflash
	Flash exposure compensation	±3 stops in 1/3- or 1/2-stop increments
	FE lock	Available in viewfinder shooting
	Continuous shooting priority mode	Available (using Speedlites that include this feature)
	PC terminal	Not provided
	Flash control	Built-in flash settings, External flash function settings, External flash Custom Function settings Wireless flash control via optical transmission
Live View Shooting	MF peaking	Available
	Focus bracketing	Available
	Electronic shutter	Available
	Touch shutter	Available
	Grid display	3 types
Movie Recording	Recording format	MP4
	Video	MPEG-4 AVC/H264, variable (average) bit rate
	Audio	AAC (when [C.Fn III-5: Audio compression] is set to [0: Enable]) Linear PCM (when [C.Fn III-5: Audio compression] is set to [1: Disable])
	Movie recording	4K (3840×2160), Full HD (1920×1080), HD (1280×720) HDR movies: Full HD

	quality	Time-lapse movies: 4K/Full HD
	Frame rate	119.88p/59.94p/29.97p (with NTSC) 100.00p/50.00p/25.00p (with PAL)
	Compression method	Standard (IPB), Light (IPB) * Time-lapse movies: ALL-I
	Bit rate/Card performance requirements (writing/reading speed)	4K (29.97p/25.00p)/Standard (IPB) : Approx. 120 Mbps/UHS-I, UHS Speed Class 3 or higher Full HD High Frame Rate (119.88p/100.00p)/Standard (IPB) : Approx. 120 Mbps/UHS-I, UHS Speed Class 3 or higher Full HD (59.94p/50.00p)/Standard (IPB) : Approx. 60 Mbps/SD Speed Class 10 or higher Full HD (29.97p/25.00p)/Standard (IPB) : Approx. 30 Mbps/SD Speed Class 4 or higher Full HD (29.97p/25.00p)/Light (IPB) : Approx. 12 Mbps/SD Speed Class 4 or higher HD (59.94p/50.00p)/Standard (IPB) : Approx. 26 Mbps/SD Speed Class 4 or higher 4K Time-lapse movie (29.97p/25.00p) : Approx. 40 Mbps or faster (reading speed) Time-lapse movie (29.97p/25.00p) : Approx. 20 Mbps or faster (reading speed)
	Sound recording	Built-in stereo microphones, external stereo microphone jack provided Sound-recording level adjustable, wind filter provided, attenuator provided
	Headphone	Headphone terminal provided, volume adjustable
	4K movie cropping	Available
	Movie digital IS	Available (Enable/Enhanced)
	HDR movies	Available (in Special scene mode)
	Video snapshot	Available
	Time-lapse movies	4K or Full HD
	HDMI output	Image output without information display available * 4K output supported; Auto/1080p selectable
	Remote control shooting	Available
	Still photo shooting during movie recording	Not available
Screen	Type	TFT color, liquid-crystal monitor
	Screen size and dots	Wide 3.0-in. (3:2) with approx. 1.04 million dots
	Field of view (coverage)	Still photo shooting: Approx. 100% vertically/horizontally (when set to JPEG Large) Movie recording: Approx. 100% vertically/horizontally
	Angular	Opening: Approx. 0–175°

	adjustment	Rotation: Approx. 0–90° forward, approx. 0–180° backward
	Brightness adjustment	Manual (7 levels)
	Display settings	Mode guide, Feature guide
	Interface languages	29
	Touch-screen panel	Capacitive sensing
Playback	Image display format	Single-image display (without shooting information), Singleimage display (with basic information), Single-image display (Shooting information displayed: Detailed information, Lens/histogram, White balance, Picture Style 1, Picture Style 2, Color space/noise reduction, Lens aberration correction 1, Lens aberration correction 2, GPS information), Index display (4/9/36/100 images) * Customizable shooting information display
	Highlight alert	Overexposed highlights blink
	AF point display	Available
	Grid display	3 types
	Magnified view	Approx. 1.5×–10×, initial magnification and position settable
	Image search	Search conditions settable (by rating, date, folder, protected, type of file)
	Image browsing method	1 image, 10 images, Specified number, Date, Folder, Movies, Stills, Protect, Rating
	Image rotation	Available
	Image protection	Available
	Rating	Available
	Movie playback	Available
	Start/end movie scene editing	Available
	4K movie frame grab	Extraction of specified movie frames and saving as JPEG images
	Slide show	All images or images matching the search conditions are played back automatically.
	In-camera RAW image processing	Creative Assist, RAW and C-RAW image processing possible Brightness adjustment, White balance, Picture Style, Auto Lighting Optimizer, High ISO speed noise reduction, JPEG image-recording quality, Color space, Lens aberration correction (Peripheral illumination correction, Distortion correction, Digital Lens Optimizer, Chromatic aberration correction, Diffraction correction)
	Resizing	Available
	Cropping	Available
Print ordering	DPOF version 1.1 compatible	

Customization Features	Custom Functions	29 types
	Custom shooting modes	Registered to C1/C2 on the Mode dial
	My Menu	Up to 5 screens
	Copyright information	Text entry and appending possible

Interface	Digital terminal	Hi-Speed USB equivalent; terminal shape: USB Micro-B Computer communication		
	HDMI mini OUT terminal	Type C (auto switching of resolution)		
	External microphone IN terminal	3.5 mm diameter stereo mini-jack Directional Stereo Microphone DM-E1 or commercially-available external microphone connectable		
	Remote control terminal	Compatible with Remote Switch RS-60E3		
	Wireless remote control	Compatible with Wireless Remote Control BR-E1 (via Bluetooth)		
Wireless Features	[Wi-Fi]	Standards compliance	IEEE 80211b/g/n	
		Transmission method	DS-SS modulation (IEEE 80211b), OFDM modulation (IEEE 80211g/n)	
		Transmission frequency (central frequency)	Frequency: 2412 to 2462 MHz Channels: 1-11	
		Connection method	Camera access point mode, infrastructure(*) * Wi-Fi Protected Setup supported	
		Security	Authentication method: Open system, Shared key, or WPA/WPA2-PSK Encryption: WEP, TKIP, AES	
		Compatible devices/services	Smartphones, computers, Wi-Fi printers, Web services	
	[Bluetooth]	Standards compliance	Bluetooth Specification Version 4.1 compliant (Bluetooth low energy technology)	
		Transmission method	GFSK modulation	
		Compatible devices	Smartphones, wireless remote controls	
Power	Battery	Battery Pack LP-E6N/LP-E6, quantity 1 * AC power usable with household power outlet accessories		
	Battery information	Power source, Battery level, Shutter count, Recharge performance, Battery registration possible		
	Number of possible shots	Viewfinder shooting: Approx. 1,860 shots at room temperature (23°C/73°F), approx. 1,850 shots at low temperatures (0°C/32°F) Live View shooting: Approx. 510 shots at room temperature (23°C/73°F), approx. 500 shots at low temperatures (0°C/32°F) * With a fully charged Battery Pack LP-E6N		

	Movie recording time available	Total approx. 3 hr. 30 min. (set to Full HD 29.97p IPB (NTSC)) or 3 hr. 50 min. (set to Full HD 25.00p IPB (PAL)) * At room temperature (23°C/73°F) or low temperatures (0°C/32°F) with a fully charged Battery Pack LP-E6N and Movie Servo AF disabled
Dimensions and Weight	Dimensions (W×H×D)	Approx. 140.7×104.8×76.8 mm/5.54×4.13×3.03 in.
	Weight	Approx. 701g/24.73 oz. (including battery pack and card)/Approx. 619g/21.83 oz. (body only)
Operating Environment	Working temperature range	0–40°C (32–104°F)
	Working humidity	85% or less

See	All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
	Dimensions 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 manufacturer.

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YES. It solved my issue

It covered my problem, but the solution still didn't work

The information on the page is hard to understand

It has nothing to do with my issue

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