EOS 90D **A DSLR BUILT** FOR SPEED **AND DETAIL**

The EOS 90D is a DSLR with a 32.5 megapixel APS-C sensor that delivers superb image quality and extends the effective reach of telephoto lenses. Add in 45-point AF points, 10fps shooting and a multi-control dial and you have a powerful camera for wildlife and sports photography.



- From wildlife hide to trackside
- See every drop of detail
- Intuitive DSLR design
- An intelligent performance
- Superb creative video











Cross-type



PRODUCT RANGE





EOS 7D Mark II EOS 90D EOS 80D EOS 77D





EOS 80D



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TECHNICAL SPECIFICATIONS

EOS 90D

MAGE SENSOR		Metering Range	Via optical viewfinder:
ype	22.3mm x 14.8 mm CMOS		
ffective Pixels	Approx. 32.5 MP		EV 1-20 (at 23 °C with 50mm f/1.4 lens ISO 100)
otal Pixels	Approx. 34.4 MP		Via liveview on LCD screen:
spect Ratio	3:2		
ow-Pass Filter	Built-in/Fixed		EV -2-20 (at 23 °C, ISO 100, evaluative metering)
ensor Cleaning	EOS integrated cleaning system		Movie: EV 0-20
Colour Filter Type	Primary Colour		(at 23 °C, ISO 100, evaluative metering)
		AE Lock	Auto: In One-shot AF mode with evaluative meterin
WAGE PROCESSOR ype	DIGIC 8		exposure is locked when focus is achieved.
ype	DIGIC 8		Manual: By AE lock button in creative zone modes. +/-5 EV in 1/3 or 1/2 stop increments
ENS		Exposure Compensation	(can be combined with AEB).
ens Mount	EF/EF-S	AEB	2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments
ocal Length	Equivalent to 1.6x the focal length of the lens	ISO Sensitivity	Auto (100-25600), 100-25600 (in 1/3-stop or whole sto
nage Stabilisation	Optical Image Stabilizer on compatible lenses.		increments)
	Movie: Movie Digital IS		ISO can be expanded to H: 51200
			During Movie shooting: Auto (100-12800), 100-12800 (in 1/3-stop or whole stop increments) ISO can be
DCUSING			expanded to H: 25,600
pe	Via optical viewfinder:		
	TTL-CT-SIR with a CMOS sensor	SHUTTER	
		Туре	Electronically-controlled focal-plane shutter
	Via liveview on LCD screen:	Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Tot
	Dual Pixel CMOS AF System. Phase detection pixels		shutter speed range. Available range varies by
	built onto imaging sensor ^[1]		shooting mode). Electronic shutter up to 1/16000
F System/ Points	45 cross-type AF points		
	(45 f/5.6 cross-type AF points, 27 f/8 points	WHITE BALANCE	
	[9 cross-type], centre point is f/2.8 and f/5.6 dual cross-type]	Туре	Auto white balance with the imaging sensor
working range	EV -3 - 18 (at 23°C & ISO100)	Settings	AWB (Ambience priority, White priority), Daylight,
Modes	Al Focus		Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperatu
mouor	One Shot		Setting.
	Al Servo		White balance compensation:
F Point Selection	Automatic selection: 45 point AF		1. Blue/Amber +/-9 2. Magenta/ Green +/-9.
	Manual selection: Single point AF Manual selection: Spot AF	Custom White Balance	Yes, 1 setting can be registered
	Manual selection: Zone AF	WB Bracketing	+/-3 levels in single level increments
	Manual selection: Large Zone AF	WB BIGCKeiling	3 bracketed images per shutter release.
	AF points can be selected separately for vertical and horizontal shooting		Selectable Blue/Amber bias or Magenta/ Green
elected AF point display	Indicated by a transmissive LCD in viewfinder and		bias.
	Quick Control screen		
edictive AF (7)	Yes, up to 8m	VIEWFINDER	
Lock	AF points can be selected separately for vertical and	Туре	Pentaprism
	horizontal shooting	Coverage (Vertical/Horizontal)	Approx. 100%
Assist Beam	Intermittent firing of built-in flash or emitted by optional dedicated Speedlite	(Venica/Honzonia) Magnification	Approx. 0.95x ^[4]
anual Focus	Selected on lens	Eyepoint	Approx. 22mm (from eyepiece lens centre)
cus Bracketing	Yes		
Microadjustment	+/- 20 steps (wide and tele setting for Zooms)	Dioptre Correction	-3 to +1 m-1 (dioptre)
-	Adjust all lenses by same amount	Focusing Screen	Fixed (Transmissive LCD screen)
	Adjust up to 40 lenses individually	Mirror	Quick-return half mirror (Transmission: reflection ration of 40:60, no mirror cut-off with EF 600mm f/4 IS USM
	Adjustments remembered for lens by serial number		shorter)
POSURE CONTROL		Viewfinder Information	AF information: AF points, focus confirmation, AF
etering modes	Via optical viewfinder:		area selection mode
elening modes			Exposure information: Shutter speed, aperture valu ISO speed (always displayed), AE lock, exposure
	220,000-pixel RGB+IR metering sensor		level/compensation, spot metering circle, exposure
	Metering with the area divided into 216 segments		warning, AEB.
	(18 × 12)(1) Evaluative metering (linked to all AF points)		Flash information: Flash ready, high-speed sync, FE
	(2) Partial metering (approx. 6.5 % of viewfinder)		lock, flash exposure compensation, red-eye reduction light.
	(3) Spot metering (approx. 2.0% of viewfinder)		Image information: Card information, maximum
	(4) Center-weighted average metering		burst (2 digit display), Highlight tone priority (D+).
	Via liveview on LCD screen:		Composition information: Grid, Electronic level,
			Aspect Ratio Other information: Battery check, Alert symbol,
	(1) Evaluative metering (384 zones)		Flicker Detection
	(2) Partial metering (approx. 4.5% of LCD screen)(3) Spot metering (approx. 2.6% of LCD screen)	Depth of field preview	Yes, with Depth of Field preview button.
	i ja jajoi melennu juppiox. 2.6 % of LCD screen)		and the second



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TECHNICAL SPECIFICATIONS

EOS 90D

		LIVE VIEW MODE	
Туре	Touch screen Vari angle 7.7cm (3.0") 3:2 Clear View II TFT, approx. 1040K dots	Туре	Electronic viewfinder with image sensor
Coverage	Approx. 100%	Coverage	Approx. 100% (horizontally and vertically)
-	Approx 170°	Frame Rate	59.94 fps
Viewing Angle (horizontally/vertically)	Αβριοχ 170	Focusing	Manual Focus (Magnify the image 5x or 10x at any point on screen)
Coating	Anti smudge		Autofocus: Dual Pixel CMOS AF (Face detection and
Brightness Adjustment	Adjustable to one of seven levels		Tracking AF, Eye AF, FlexiZone-Multi, FlexiZone-
Display Options	(1) Quick Control Screen		Single), Tracking sensitivity adjustment (-2 to +2),
	(2) Camera settings		acceleration tracking (-2 to +2) AF auto pt. switching
	(3) Electronic Level		(0 to +2)
		Metering	Real-time evaluative metering with image sensor. Evaluative metering, partial metering, spot metering,
FLASH			center-weighted average metering.
Built-in Flash GN (ISO 100,	12	Display Options	Grid overlay (x3), Histogram, Electronic level,
meters)			
Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 27mm)		
Built-in Flash recycle time	Approx. 3 seconds	FILE TYPE	
Modes	Auto, Manual flash, Integrated Speedlite Transmitter	Still Image Type	JPEG: Fine, Normal (Exif 2.31 compliant) / Design rule
X-sync	1/250sec		for Camera File system (2.0)
Flash Exposure	+/- 3EV in 1/2 or 1/3 increments		RAW: RAW (CR3 14-bit), CRAW (Compact RAW) Digital Print Order Format [DPOF] Version 1.1
Compensation	Yos with compatible External Elash		compliant
Flash Exposure Bracketing	Yes, with compatible External Flash Yes	RAW+JPEG simultaneous	Yes, any combination of RAW + JPEG possible.
Flash Exposure Lock Second Curtain	Yes	recording	
Synchronisation	163	Image Size	RAW: (3:2) 6960 x 4640, (4:3) 6160 x 4640, (16:9) 6960 x
HotShoe/ PC terminal	Yes/No		3904, (1:1) 4640x 4640
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless optical multi-		JPEG 3:2 (L) 6960 x 4640, (M) 4800 x 3200, (S1) 3472 x
	flash support		2320, (S2) 2400 x 1600
External Flash Control	via camera menu screen		JPEG 4:3 (L) 6160 x 4640, (M) 4256 x 3200 (S1) 3072 x
			2320 (S2) 2112 x 1600
SHOOTING			JPEG 16:9 (L) 6960 x 3904, (M) 4800 x 2688 (S1) 3472 x
Modes	Scene Intelligent Auto (Stills and Movie), Creative		1952 (S2) 2400 x 1344 JPEG (1:1) (L) 4640 x 4640, (M) 3200 x 3200, (S1) 2300 x
	Auto, SCN(Portrait, Landscape, Close-up, Sports,		2300 (S2) 1600 x 1600
	Night Portrait, Handheld Night Scene, HDR Backlight Control, Food, Kids, Candlelight, Group Photo,		
	Panning), Creative filters, Program AE, Shutter priority		In-camera RAW processing & Image Resize available
	AE, Aperture priority AE, Manual (Stills and Movie),		in playback
	Bulb, Custom 1, Custom 2	Movie Type	MP4 [Video: MPEG-4 AVC/H.264, Audio: MPEG-4 AAC-LC (stereo)]
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail,	Movie Size	4K - 3840 x 2160 (29.97, 25 fps) ^[8]
	Neutral, Faithful, Monochrome, User Defined (x3)	MOVIE SIZE	Full HD - 1920 x 1080
Colour Space	sRGB and Adobe RGB		(119.88, 100, 59.94, 50, 29.97, 25 fps) ^[8]
Image Processing	Highlight Tone Priority (normal plus enhanced) Auto Lighting Optimizer (4 settings)		HD - 1280 x 720 (59.94, 50 fps)
	Digital Lens Optimizer		HDR - 1920 x 1080 (29.97, 25 fps) 4K Timelapse - 3840 x 2160 (29.97, 25 fps)
	Long exposure noise reduction	Movie Length	Max duration 29min 59sec, Max file size 4GB (If file
	High ISO speed noise reduction (4 settings)	Movie Lengin	size exceeds 4GB a new file will be created
	Multi Shot Noise Reduction Auto Correction of Lens Peripheral illumination and		automatically except in Timelapse Movie mode,
	Chromatic aberration correction		ExFat formatted cards have no file size limitation)
	Creative Assist	Folders	New folders can be manually created and selected
	Creative filters (Grainy B/W, Soft focus, Fish-eye	File Numbering	(1) Consecutive numbering
	effect, Water painting effect, Toy camera effect, Miniature effect, HDR art vivid, HDR art bold, HDR art		(2) Auto reset (3) Manual reset
	embossed, HDR art standard))		
	Multi-exposure	OTHER FEATURES	
	RAW image processing - during image Playback only	Custom Functions	29 Custom Functions
	Resize to M or \$1, \$2	Metadata Tag	User copyright information (can be set in camera)
Drive modes	Single, Continuous L, Continuous H, Self timer (continuous, continuous panning, 2s+remote, 10s		Image rating (0-5 stars)
	+remote), Silent single shooting, Silent continous	LCD Panel / Illumination	Yes/Yes
	shooting [11]	Water/ Dust resistance	Yes
Continuous Shooting	Max. Approx. 10fps. (speed maintained for 58 JPEG	Sound Memo	No
	and 25 RAW with UHS-II card)	Intelligent Orientation Sensor	Yes
	Live view Max. Approx 11 fps. with One-Shot AF, 7 fps with Servo AF $^{[6][7]}$	Playback zoom	1.5x - 10x
Intervalometer	Built-in, number of shots selectable from 1-99 or		
	unlimited. Bulb timer possible		



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TECHNICAL SPECIFICATIONS



Display Formats	(1) Single image with information (2 levels)	POWER SOURCE	
	(2) Single image (3) 4 image index	Batteries	Rechargeable Li-ion Battery LP-E6N (supplied), built in for date & settings
	(4) 9 image index	Battery life	Approx. 1300 (at 23°C, AE 50%, FE 50%) ^[5]
	(5) 36 image index (6) 100 image index		Approx. 1200 (at 0°C, AE 50%, FE 50%)
	(7) Jump Display	Battery Indicator Power saving	6 levels + percentage Power turns off after 1, 2, 4, 8, 15 or 30mins.
Slide Show	(8) Movie edit Image selection: All images, by Date, Folder, Movies,	rower saving	
Side Silow	Stills, Protect	PHYSICAL SPECIFICATIONS	
	Playback time: 1/2/3/5/10/20 seconds Repeat: On/Off	Body Materials	Aluminum alloy and polycarbonate resin with glass
	Background music: On/Off	Operating Environment	fiber 0 – 40 °C, 85% or less humidity
	Transition effect: Off, Slide in 1, Slide in 2, Fade 1, Fade 2, Fade 3	Dimensions (WxHxD)	140.7 x 104.8 x 76.8mm
Histogram	Brightness: Yes	Weight (body only)	Approx. 701g (CIPA testing standard, including
	RGB: Yes		battery and memory card)
Highlight Alert	Yes Ergre: Single image, Selectronge, All images in	ACCESSORIES	
Image Erase/Protection	Erase: Single image, Select range, All images in folder, All images on card	Viewfinder	Eyecup Eb
	Protection: Single image, select range, All images in		Rubber Frame Eb, E-series Dioptric Adjustment Lens Eyepiece Extender EP-EX15
Menu Categories	folder, All images on a card (1) Shooting menu (x6)		Magnifier MG-Eb
inene eurogenee	(2) Playback menu (x4)	_	Angle Finder C
	(3) Wireless menu (4) Setup menu (x5)	Case Wireless File Transmitter	Leather case EH21-L Built in Wi-Fi transmission
	(5) Custom Functions menu		Bluetooth functionilty with Camera Connect app
M	(6) My Menu		requires smart device to be equipped with Bluetooth version 4.0 (or later). Also requires smart device to be
Menu Languages	29 Languages English, German, French, Dutch, Danish, Portuguese,		using operating system iOS 11.4 (or later) or Android
	Finnish, Italian, Ukraine, Norwegian, Swedish, Spanish,	1	5.0 (or later)
	Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Turkish, Arabic, Thai,	Lenses Flash	All EF and EF-S lenses Canon Speedlites (90EX, 220EX, 270EX, 270EX II, EL-
	Simplified Chinese, Traditional Chinese, Korean,		100, 320EX, 420EX, 430EX, 430EX II, 430EX III-RT, 470EX-
Firmware Update	Malay, Indonesian, and Japanese Update possible by the user.		AI, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro- Ring-Lite MR-14EX II, Macro Twin Lite MT-24EX,
			Speedlite Transmitter ST-E2, Speedlite Transmitter
INTERFACE			ST-E3-RT)
Computer	USB Micro-B Interface Cable IFC-600PCU	Battery Grip Remote Controller/ Switch	BG-E14 Remote Switch RS-60E3, Remote Controller RC-6,
Wi-Fi	Wireless LAN (IEEE802.11b/g/n),		Remote Controller BR-E1, Timer Remote Controller
	(2.4 GHz only, 1-11 ch)		TC-80N3 only when used with Remote Controller Adapter RA-E3
Wi-Fi Security	Camera Access Point: WPA2-PSK with AES encryption or open	Other	Directional Stereo Microphone DM-E1
	Infrastructure: Shared key, with WEP encryption,		GPS Receiver GP-E2
	WPA-PSK/WPA2-PSK with TKIP/AES encryption or open		Hand Strap E2, GP-E2
Bluetooth	Bluetooth® (Specification version 4.1, Bluetooth low		
	energy technology) ^[9]	Subject to change without not	ndard testing methods except where indicated.
Other	HDMI mini output, Output of YCbCr 4:2:2, 8bit over HDMI for video	subject to change without non	
	streaming is possible with or without shooting info.		possible over an area of up to approx. 100% Vertical x e depending on the lens used
	Output options include [With info], [Clean / 4K output], and [Clean / FHD output]. HDR output of		oints will not function as a cross type AF points with the
	photos to compatible TV supported	following lenses: EF 35-80m	nm f4-5.6 (II/III/USM), EF35-105mm f4.5-5.6 (USM). EF 80-
	External microphone (3.5mm Stereo mini jack), Headphone socket (Stereo mini jack)	200mm f4.5-5.6 (II) B The number of AF points, c	cross-type AF points, and dual cross-type AF points vary
		depending on the lens use	ed. For full compatibility list please refer to product
DIRECT PRINT		manual on www.canon-ei [4] with 50mm lens at infinity, ·	
Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge via wireless LAN		ard and using the batteries and memory card format
PictBridge	Yes (via Wireless LAN)	supplied with the camera,	
			conditions, JPEG, ISO 100, Standard Picture Style. subject, memory card brand and capacity, image
STORAGE		recording quality, ISO spee	ed, drive mode, Picture Style, Custom functions etc.
Туре	SD, SDHC, SDXC (UHS-II compatible)		oting speed is tested based on Canon's testing standard. ible UHS II memory card, total number of frames
SUPPORTED OPERATING			idie UHS II memory cara, total number of frames ig on shooting subject, settings and brand of memory
SYSTEM		card	
PC & Macintosh	Windows 10 / 8.1 / 7 SP1 ^[10] Mac OS X 10.14 / 10.13 / 10.12	(8) 4K Movie or 120fps Full HD Speed class 10 or higher	requires UHS-I Speed Class 3 or higher, Full HD requires SD
			Camera Connect app requires smart device to be
SOFTWARE		equipped with Bluetooth v	version 4.0 (or later). Also requires smart device to be
Image Processing	Digital Photo Professional 4		\$ 11.4 (or later) or Android 5.0 (or later) npatible with Windows 10 in Windows 10 Desktop Mode
Other	DPP Express Picture Style Editor,	only	
	EOS Utility,		the noise of the mirror mechanism, electronic shutter
	Image Transfer Utility Picture Style editor	mode in Live View is availa	and for sheril shighe shorts
	Camera Connect app available on iOS and Android		
	devices with operating system iOS 11.4 (or later) or Android 5.0 (or later)		Canon Inc.
	1		canon.com

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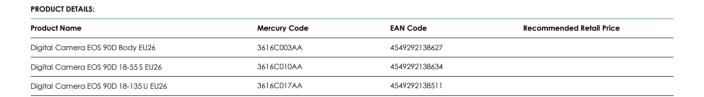


A DSLR BUILT FOR SPEED AND DETAIL

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Sales Start Date: September 2019

Catton Bass EES 18 195mm 1900 900



OPTIONAL ACCESSORIES:

OT HOUSE ACCESSORIES.			
Accessory Name	Mercury Code	EAN Code	Recommended Retail Price
Power Supply			
Battery Charger LC-E6E	3349B001AA	4960999627502	
Battery Pack LP-E6N	9486B002AB	4549292008302	
AC Adapter AC-E6N	1425C003AA	4549292065619	
DC Coupler DR-E6	3352B001AA	4960999627601	
Cables			
Interface Cable IFC-600PCU	1015C001AA	4549292054378	
Mini-HDMI Cable HTC-100	2384B001AA	4960999530383	
Miscellaneous			
Camera Leather Case EH21-L	4989B001AA	4960999686035	
Battery Grip BG-E14	8471B001AA	4960999981000	
GPS receiver GP-E2	6363B001AA	4960999848358	
Directional Stereo Microphone DM-E1	1429C001AA	4549292065732	
Remote control			
Remote Switch RS-60 E3	2469A002AA	4960999581354	
Remote Controller RC-6	4524B001AA	4960999669304	
Wireless Remote-Control BR-E1	2140C001AA	4549292087864	
Remote Switch Adapter RA-E3	1157C001AA	4549292058833	
Timer Remote Controller TC-80 N3	2477A004AA	4960999581569	



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EOS 90D

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OF HOUSE ACCESSORIES.			
Accessory Name	Mercury Code	EAN Code	
Protecting Cloth			
Protecting Cloth PC-E1	1883C001AA	4549292083392	
Protecting Cloth PC-E2 2394C001AA		4549292099706	
Viewfinder accessories			
Eyecup/Rubber Frame Eb	2378A001AA	4960999509969	
Eyepiece Extender EP-EX15	2444A001AA	4960999509105	
Eyepiece Extender EP-EX15II	3069B001AA	4960999613130	
Eyepiece magnifier MG-Eb	0047C001AA	4549292025002	
Angle Finder C.	2882A001AA	4960999540092	
Dioptric Adjustment Lens E (-4 to +3)			
Flash related accessories			
Off-Camera Shoe Cord OC-E3	1950B001AA	4960999417271	
Speedlite Transmitter ST-E2	2478A004AA	4960999581538	
Speedlite Transmitter ST-E3-RT	5743B003AB	4960999810232	



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EOS 90D



MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Gross Weight (kg)
Digital Camera EOS 90D Body	3616C003AA	EA	Each	1	28.2	22.5	12	1.486
		СТ	Carton	6	39.2	48.2	33.9	9.95
		EP	Euro Pallet		120	80		
			Layers per Pallet		Cartons per Layer		Products per layer	
Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Gross Weight (kg)
Digital Camera EOS 90D 18-55 S EU26	3616C010AA	EA	Each	1	28.2	22.5	12	1.486
		СТ	Carton	6	39.2	48.2	33.9	9.95
		EP	Euro Pallet		120	80		
			Layers per Pallet		Cartons per Layer		Products per layer	

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Gross Weight (kg)
– Digital Camera EOS 90D 18-135 U EU26	3616C017AA	EA	Each	1	28.2	22.5	12	1.486
		СТ	Carton	6	39.2	48.2	33.9	9.95
		EP	Euro Pallet		120	80		
			Layers per Pallet		Cartons per Layer		Products per layer	

What's in the box?

- Digital Camera 90D body
- Eyecup EF
- Camera Cover R-F-3
- Wide Strap EW-90D
- Battery Pack LP-E6N
- Battery Charger LC-E6E
- Power Cable
- User Manual Kit

- Digital Camera 90D body
- Eyecup EF
- Camera Cover R-F-3
- Wide Strap EW-90D
- Battery Pack LP-E6N
- Battery Charger LC-E6E
- Power Cable
- User Manual Kit
- EF-\$18-55mm f/3.5-5.6 IS STM
- Lens Cap E-58II
- Lens Dust Cap E

- Digital Camera 90D body
- Eyecup EF
- Camera Cover R-F-3
- Wide Strap EW-90D
- Battery Pack LP-E6N
- Battery Charger LC-E6E
- Power Cable
- User Manual Kit
- EF-S18-135mm f/3.5-5.6 IS USM
 - Lens Cap E-67II
 - Lens Dust Cap E

Canon