# EOS-1DM Mark III









# Trusted by the best

The new Canon EOS-1D X Mark III is ideal for the increasingly fast-paced industry, giving professionals confidence that they will get the shot and delivering at faster speeds than ever before.

The flagship DSLR is engineered and designed using feedback from the worldwide community of EOS-1D X and EOS-1D X Mark II photographers. Continuing Canon's rich heritage of creating first-rate optical products, the EOS-1D X Mark III offers an enhanced autofocus system, with dramatically improved still and video image quality and communication.

# A new era in autofocus speed and accuracy

The EOS-1D X Mark III features a brand-new AF sensor with 28 times more resolution than its predecessor, using advanced AF algorithms with deep learning technology for unparalleled focus tracking in any situation. And in Live View and video there's the added advantage of Dual Pixel CMOS AF across approximately 90x100 percent of the sensor with 525 AF areas. With AF over a wider EV range focusing truly has never been more accurate and versatile.

# Outstanding stills and video

With a new Canon CMOS sensor and powerful new DIGIC X processing, image quality even at high ISO is taken to even greater levels of quality along with 4K video at 60p plus the options of capturing RAW video or 10-bit video with Canon Log, both recorded internally to CFexpress cards (Maximum 2TB capacity each). A new bright viewfinder ensures you are connected to your subject in real time with zero lag.







Newly developed 20.1 megapixel Canon CMOS sensor. The latest sensor provides stunning clarity and low light performance



The EOS-1D X Mark III delivers highspeed continuous shooting at up to 16 frames per second with AF & AE tracking through the optical viewfinder



In live view mode, continuous shooting speed jumps up to a blistering 20 frames per second with AF & AE tracking with either mechanical or near silent electronic shutter, perfect for scenes where silence is essential



Canon's new DiG!C X imaging processor delivers increased image quality and functionality in a single processor design that also reduces power consumption



In Live View mode, users can make use of 525 AF areas using the Dual Pixel CMOS AF system which covers approx 90% x 100% of the image sensor



The 3.15" LCD touch screen interface makes it easy and intuitive to change settings, select focus points and review images



With built in Wi-Fi you can easily download images and shoot remotely via your smartphone or tablet using the Canon Camera Connect App.

Additional connectivity is available via gigabit ethernet and 2.4GHz/5GHz dual band WFTE9A wireless file transmitter



New smart controller optical device has been built into the AF-on button to enable faster and more intuitive selection of autofocus points



Dual CFexpress card (Maximum 2TB capacity each) slots enable significantly faster RAW burst depth and faster writing speeds compared to the EOS-1D M Mark II. Identical card slots for greater flexibility



The power of 4K resolution brings stories to life — shoot 4K videos including 4K 60p with 10-bit 4:2:2 Canon Log internal recording



Capture stills in 10-bit using the HEIF (High Efficiency Image File) file format which produces wider dynamic range & greater colour representation compared to JPEG



Eye detection Autofocus technology can be set during Servo AF in live view mode (stills & movies), ensuring that the camera locks on your subjects eye and focuses to that point, even when they move around the frame



# **Technical Specifications**



# Type

Туре	Digital single-lens reflex AF/AE camera
Recording media	CFexpress memory card (Maximum 2TB capacity each) *Type B compatible: 2 card slots
Image sensor size	Approx. 35.9×23.9 mm
Compatible lenses	Canon EF lens product groups *Excluding EF-S and EF-M lenses (Effective angle of view is approx. equivalent to the indicated focal length.)
Lens mount	Canon EF mount

# Image sensor

Туре	CMOS sensor
Effective pixels	Approx. 20.1 megapixels * Rounded to the nearest 100,000.
Aspect ratio	3:2
Dust deletion	Auto/Manual, Appending Dust Delete Data

# Recording system

Recording format	DCF 2.0  JPEG (8-bit), HEIF (10-bit), RAW (14-bit Canon original) RAW+JPEG simultaneous recording possible RAW+HEIF simultaneous recording possible		
Image type			
	Image Quality		Pixel Count
	JPEG	L	Approx. 20.0 megapixels (5472×3648)
		M1	Approx. 12.7 megapixels (4368×2912)
Pixels recorded		M2	Approx. 8.9 megapixels (3648×2432)
		S	Approx. 5.0 megapixels (2736×1824)
	HEIF	L	Approx. 20.0 megapixels (5472×3648)
	RAW	RAW/C-RAW	Approx. 20.0 megapixels (5472×3648)
	*Rounded to the nearest 100,000.		
Recording features	Still photo/movie separate, Still photo recording options, Movie recording options, Still photo record/play. Movie record/play  Available  Preset code, User Defined 1, User Defined 2  Continuous, Auto reset, Manual reset		
Folder creation and selection			
File naming			
File numbering			

# Image processing during shooting

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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 (5 settings), Color temperature setting (approx. 2500–10000 K) White balance cor	
White balance correction	Blue/amber correction: ±9 levels Magenta/green correction: ±9 levels	
White balance bracketing	±3 stops, in 1 stop increments	
Automatic image brightness correction	Auto Lighting Optimizer	
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

Туре	Eye-level pentaprism	
Field of view (coverage)	Vertical/Horizontal approx. 100% (with eyepoint approx. 20 mm)	
Magnification	Approx. 0.76× (-1 m <sup>-1</sup> with 50 mm lens at infinity)	
Eyepoint	Approx. 20 mm (from eyepiece lens end at -1 m <sup>-1</sup> )	
Dioptric adjustment range	Approx. –3.0 to +1.0 m <sup>-1</sup> (dpt)	
Eyepiece shutter	Built-in	
Focusing screen	Fixed	
Mirror	Quick-return type	
Depth-of-field preview	Available	

# Autofocus (viewfinder shooting)

Focus method	TTL secondary image-registration, phase-difference detection with the dedicated AF sensor
AF points	191 points max. (cross-type AF points: 155 points max.)  * 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 f2.8 with center AF point
Focusing brightness range	EV -4 to 21 (with the center AF point supporting f/2.8, One-Shot AF, room temperature, ISO 100)
Focus operation	One-Shot AF, Al Servo AF, manual focusing (MF)
AF area selection mode	Spot AF (manual selection), 1-point AF (manual selection), AF point expansion (manual selection, vertical/horizontal), AF point expansion (manual selection: surround), Zone AF (manual selection of zone), Large zone AF (manual selection of zone), Auto selection AF
Subject detection AF	EOS iTR AF setting (can recognize color information, faces, and heads) *iTR: Intelligent Tracking and Recognition
AF Configuration Tool	Cases 1–4, Case A
Al Servo AF characteristics	Tracking sensitivity, Acceleration/deceleration tracking
AF fine adjustment	AF Microadjustment (All lenses by the same amount, Adjust by lens)
AF-assist beam	Fired by an external flash unit for EOS cameras

# Autofocus (Live View shooting/Movie recording)

Focus method	Dual Pixel CMOS AF  *AF not available in RAW or 4K 59.94 p/50.00 p (NTSC/PAL) movie recording
AF method	Face+Tracking, Spot AF, 1-point AF, Expand AF area (vertically/horizontally), Expand AF area: Around, Zone AF, Large Zone AF: Vertical, Large Zone AF: Horizontal
Available AF point positions	Max. 3869 *When selected with the Multi-controller
Available AF areas when automatically selected	Max. 525
Eye Detection AF	Available
Magnified view	Approx. 5×/10×
AF area	Horizontal: Approx. 90%, Vertical: Approx. 100% Horizontal: Approx. 80%, Vertical: Approx. 80% *Varies depending on the lens used
Manual focus (MF)	MF peaking, Focus guide

#### [Live View shooting]

AF operation	One-Shot AF, Servo AF
Continuous AF	Available
Focusing brightness range	EV –6 to 18 (f/1.2, center AF point, at room temperature, ISO 100, One-Shot AF)
AF Configuration Tool	Cases 1–4, Case A
Servo AF characteristics	Tracking sensitivity, Acceleration/deceleration tracking

# [Movie recording]

Focusing brightness range	EV -4 to 18 (f/1.2, center AF point, at room temperature, ISO 100, One-Shot AF, 29.97 fps)
Movie Servo AF	Available
Movie Servo AF characteristics	Tracking sensitivity, AF speed

# **Multiple exposures**

Shooting method	Function/control priority, Continuous shooting priority
Number of multiple exposures	2 to 9 exposures
Multiple-exposure control	Additive, Average, Bright, Dark

## HDR shooting (still photo HDR PQ)

	Recording format	HEIF
	Bit depth	10-bit
	Color sampling	YCbCr 4:2:2
	HDR specification	ITU-R BT.2100 (PQ)

# Shutter

Туре	Electronically controlled, focal-plane shutter
Shutter mode	Viewfinder shooting: Mechanical Live View shooting: Mechanical, Electronic 1st-curtain, Electronic
Shutter speed	Mechanical/Electronic 1st-curtain set: 1/8000 sec. to 30 sec., Bulb Electronic set: 1/8000 sec. to 0.5 sec. Max. shutler speed with flash sync: 1/250 sec. *Setting range differs when recording movies



# **Technical Specifications**



# Exposure control

Metering mode	Viewfinder shooting: 216-zone (18×12) TTL open-aperture metering with an approx. 400,000-pixel RGB+IR metering sensor
	Live View shooting/movie recording: 384-zone (24×16) metering with signals from the image sensor
Metering mode	Viewfinder shooting: Evaluative metering Partial metering (approx. 6.2% of screen) Spot metering (approx. 1.5% of screen) *Options include spot metering linked to AF points and multi-spot metering Center-weighted average metering
	Live View shooting: Evaluative metering, Partial metering (approx. 5.8% of screen), Spot metering (approx. 2.9% of screen)
	Movie recording: Center-weighted average metering, Evaluative metering * Set automatically based on shooting conditions
	Viewfinder shooting: EV 0 to 20 (at room temperature, ISO 100)
Focusing brightness range	Live View shooting/movie recording: EV –3 to 20 (at room temperature, ISO 100)
Shooting mode	Still photo shooting: Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure, Custom shooting modes (C1/C2/C3)
Shooting mode	Movie recording: Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Custom shooting modes (C1/C2/C3)
ISO speed (recommended exposure index)	Still photo shooting: ISO Auto (automatically set within ISO 100–102400), manually set within ISO 100–102400 (in 1/3- or 1-stop increments), expandable to L (equivalent to ISO 50), H1 (equivalent to ISO 204800), H2 (equivalent to ISO 409600), or H3 (equivalent to ISO 819200)  *ISO 200–102400 with Highlight tone priority set
	Movie recording: Program AE/AwTv: ISO Auto (automatically set within ISO 100–25600), expandable to H1 (equivalent to ISO 204800) M: ISO Auto (automatically set within ISO 100–25600), manually set within ISO 100–25600 (in I/3- or 1-stop increments), expandable to H1 (equivalent to ISO 204800) *ISO 200–25600 with Highlight tone priority set
ISO speed settings	Still photo shooting: ISO speed range, Auto range, Minimum shutter speed Movie recording: ISO speed range, Max for Auto
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	Still photo shooting: Auto: AE lock when focus is achieved can be enabled or disabled for each metering mode with a Custom Function Manual: With AE lock button
	Movie recording: With AE lock button
Flicker reduction	Available (viewfinder shooting)

# **Drive system**

Drive mode	Single shooting, High-speed continuous shooting, Medium-speed continuous shooting, Low-speed continuous shooting, Single Soft shooting, Soft continuous shooting, Self-timer: 10 sec, Self-timer: 2 sec				
	Drive M	ode	Viewfinder Shooting	Live View Shooting*2	
	High-speed	One-Shot AF	Max. approx. 16 shots/sec.	Max. approx. 20 shots/sec.	
	continuous shooting*1	Al Servo AF/ Servo AF	(setting range: 3–16 shots/ sec.)		
	Medium-speed	One-Shot AF	Approx. 10 shots/sec.	Approx. 10 shots/	
	continuous	Al Servo AF/ Servo AF	(setting range: 2–15 shots/ sec.)	sec.*3	
	Low-speed	One-Shot AF	Approx. 3.0 shots/sec.	Approx. 3.0 shots/ sec.	
Continuous shooting speed	continuous	Al Servo AF/ Servo AF	(setting range: 1–14 shots/ sec.)		
	Soft continuou	s shooting	Approx. 8.0 shots/sec. (setting range: 2–8 shots/ sec.)	Approx. 10 shots/ sec.*3	
	Soft low speed	continuous	Approx. 3.0 shots/sec. (setting range: 1–7 shots/ sec.)	Approx. 3.0 shots/ sec.	
	11: May be lower depending on conditions such as shutter speed, aperture, state of aperture during continuous shooting, use of flash, use of flicker reduction, battery level, temperature, subject conditions, brightness (as when shooting under low light), type of lens, type of power, and if internal memory becomes full (which temporarily disables shooting).  12: With the electronic shutter, continuous shooting speed is equivalent to the speed in high-speed continuous shooting.  13: With the mechanical shutter, continuous shooting speed is approx. 8.0 shots/sec.				
JPEG Large: 1,000 shots or more HEIF Large: 1,000 shots or more RAW: 1,000 shots or more RAW: 1,000 shots or more RAW+JPEG Large: 1,000 shots or more RAW+HEIF Large: approx. 350 shots *In viewfinder shooting with a 325 GB card conforming to Canon *Varies depending on shooting conditions (such as when JPEG/I set to 8, as well as the subject, memory card brand, ISO speed, F Custom Functions)				EIF image quality is	

# **External Speedlite**

Compatible Speedlites	EL/EX series Speedlites
Flash metering	E-TTL II autoflash
Flash exposure compensation	±3 stops in 1/3- or 1/2-stop increments
FE lock	Available
PC terminal	Available
Flash control	Flash function settings, Flash Custom Function settings

# Screen

Туре	TFT color, liquid-crystal monitor
Screen size and dots	Approx. 8.01 cm (3.15 in.) (3:2) with approx. 2.1 million dots
Brightness adjustment	Manual (7 levels)
Color tone adjustment	Warm tone, Standard, Cool tone 1, Cool tone 2
Interface languages	29
Touch-screen panel	Capacitive sensing
System status display	Available for reference

## Playback

Playback	
Image display format	Without shooting information, with basic information, with detailed shooting information, index display (4/9/36/100 images)
Highlight alert	Overexposed highlights blink
AF point display	Available (except under certain shooting conditions)
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	1 image, 10 images, Specified number, Date, Folder, Movies, Stills, Protect, Rating
Image rotation	Available
Image protection	Available
Rating	Available
Voice memo	Recording and playback
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.
Image copying	Available
Converting HEIF to JPEG	Available
In-camera RAW image processing	Brightness adjustment, White balance, Picture Style, Clarity, Auto Lighting Optimizer, High ISO speed noise reduction, Image quality, Color space, Lens aberration correction (Peripheral illumination correction, Distortion correction, Digital Lens Optimizer, Chromatic aberration correction, Diffraction correction)
Resizing	Available
Cropping	Available
Print order	DPOF Version 1.1 compatible



# **Technical Specifications**

# **EOS-1DM** Mark III

#### Movie recording

Movie recording					
	Canon Log				non Log
			OFF		ON
	Reco	rding format			MP4
	II	mpression	MPEG-4 H.264		MPEG-4 H.265/HEVC
Normal movies	Video signa	Video signal recording range		-255)	Full range (128–1016)
Normal movies	Colo	or sampling	YCbCr 4:2:0 (	-	YCbCr 4:2:2 (10-bit)
	II	lor Matrix			Rec.ITU-R BT.709/BT.2020
		ALL-I/IPB	AAC/Linear		
	Audio	IPB (Light)	AAC		
	* AAC or Line	ear PCM can be sel	ected in [C.Fn7-7		
				<u> </u>	Canon Log
RAW movies				- (	OFF ON
		Recording forms	at		RAW (12-bit)
	L	Audio			Linear PCM
Movie recording size	RAW (5472	×2886), 4K DCI (4	4096×2160), 4K	DCI cro	pped (4096×2160), 4K
<u> </u>		<2160), Full HD (1 4p/29.97p/24.00p		TSC)	
Frame rate	100.0p/50.0	0p/25.00p/24.00p .0p used for High Fi	(with PAL)		
Compression method		diting), IPB (Stan			
	Ī				
	RAW (59.94				Approx. 2600 Mbps
	I	RAW (29.97p/25.00p/24.00p/23.98p)			Approx. 1800 Mbps
	4K DCI (59.94p/50.00p)/ALL-I			Approx. 940 Mbps	
		4K DCI (59.94p/50.00p)/IPB			Approx. 230 Mbps
	4K DCI (29.9	4K DCI (29.97p/25.00p/24.00p/23.98p)/ALL-I			Approx. 470 Mbps
	4K DCI (29.9	Approx. 120 Mbps			
	4K DCI cropped (59.94p/50.00p)/ALL-I				Approx. 940 Mbps
	4K DCI crop	4K DCI cropped (59.94p/50.00p)/IPB			
	4K DCI cropped (29.97p/25.00p/24.00p/23.98p)/ALL-I				Approx. 470 Mbps
Bit rate	4K DCI cropped (29.97p/25.00p/24.00p/23.98p)/IPB				Approx. 120 Mbps
	4K UHD (59.94p/50.00p)/ALL-I			Approx. 940 Mbps	
	4K UHD (59			Approx. 230 Mbps	
	1	.97p/25.00p)/ALL-I			Approx. 470 Mbps
	I	.97p/25.00p)/IPB			Approx. 120 Mbps
	Full HD (119	Full HD (119.9p/100.0p)/ALL-I			Approx. 360 Mbps
	Full HD (59.	94p/50.00p)/ALL-I			Approx. 180 Mbps
	Full HD (59.	94p/50.00p)/IPB			Approx. 60 Mbps
	Full HD (29.97p/25.00p)/ALL-I				Approx. 90 Mbps
	Full HD (29.	97p/25.00p)/IPB			Approx. 30 Mbps
	Full HD (29.	97p/25.00p)/IPB (Li	ight)		Approx. 12 Mbps
Card performance requirements (writing/reading speed)					-I/IPB/IPB (Light)):
Time code	Can be add				
Drop frame	119.9p/59.9	4p/29.97p suppor	ted		
Sound recording	Built-in monaural microphone; external stereo microphone terminal included, and line input supported Sound-recording level adjustable, wind filter provided, attenuator provided Headphone terminal provided, volume adjustable  Available  Available as a shooting option  Not available during movie recording				
Headphone					
Movie Digital IS					
Canon Log					
Still photo shooting				ilable	
HDMI output	Image output without information display available *4K output supported; Auto/1080p selectable				

# Power

Battery	Battery Pack LP-E19, quantity: 1 *AC power usable with household power outlet accessories
Battery information	Power source, Battery level, Shutter count, Recharge performance possible
Number of available shots	Viewfinder shooting: Approx. 2850 shots at room temperature (+23°C/73°F), approx. 2360 shots at low temperatures (0°C/32°F)  Live View shooting: Approx. 610 shots at room temperature (+23°C/73°F), approx. 530 shots at low temperatures (0°C/32°F)  *With a fully charged Battery Pack LP-E19.
Movie recording time available	Total approx. 4 hr. 40 min. at room temperature (+23°C/73°F) Total approx. 4 hr. 10 min. at low temperatures (0°C/32°F)  *Using a fully charged Battery Pack LP-E19 with Movie Servo AF disabled to record Full HD 29.97p/25.00p IPB (Standard)

#### Communication Functions

#### [Wi-Fi]

Standards compliance	IEEE 802.11b/g/n
Transmission method	DS-SS modulation (IEEE 802.11b), OFDM modulation (IEEE 802.11g/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	Smartphone, computer, FTP server

## [Wired LAN]

Туре	Ethernet
Standards compliance	IEEE 802.3u (10BASE-T/100BASE-TX/1000BASE-T)
Compatible devices	Access point, computer, EOS-1D X Mark III* *When syncing time between cameras

## [Bluetooth]

	Standards compliance	Bluetooth Specification Version 4.2 compliant (Bluetooth low energy technology)
	Transmission method	GFSK modulation
	Compatible devices	Smartphone

## **GPS** features

Compatible satellites	GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System Michibiki (Japan)
Image geotagging	Latitude, longitude, elevation, Coordinated Universal Time (UTC), signal acquisition status
Position update interval	1, 5, 10, 15, or 30 sec., or 1, 2, or 5 min.
Position data retention	10 min., 30 min., 1 hr., 3 hr., 6 hr., unlimited
Time adjustment	Camera time can be set from GPS time data
Log data	One file generated daily, NMEA format  *Change of time zone creates a separate file  *Log data in internal memory can be transferred to cards or imported to a computer as log files
Log data deletion	Available

# **Customization features**

Custom Functions	39 functions	
Custom Quick Control	Available	
Saving camera settings	Up to 10 settings can be registered on a card	
Custom shooting modes	Still photo C1/C2/C3 modes, movie C1/C2/C3 modes	
My Menu	Up to 5 screens can be registered	
Copyright information	Text entry and appending possible	
IPTC information	Can be added	

## Interfaces

Digital terminal	Computer communication
HDMI mini OUT terminal	Type C (auto switching of resolution)
External microphone input/line input terminal	3.5 mm diameter stereo mini-jack Directional Stereo Microphone DM-E1, Stereo Microphone DM-E100, or commercially available external microphones can be connected
Headphone terminal	3.5 mm diameter stereo mini-jack
Remote control terminal	For N3-type remote control units
System extension terminal	Wireless File Transmitter WFT-E9 connection
Ethernet terminal	RJ-45 terminal

#### Dimensions and weight

Dimensions (W×H×D)	Approx. 158.0×167.6×82.6 mm/6.22×6.60×3.25 in.
	Approx. 1440 g/50.80 oz. (including battery pack and card)/Approx. 1250 g/ 44.09 oz. (body only)

# Operating environment

Working temperature range	0–45°C (32–113°F)
Working humidity	85% or less

- All data above is based on Canon 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 appearance are subject to change without notice.

  If a problem occurs with a non-Canon lens attached to the camera, contact the respective lens manufacturer.

