EOS-1DM Mark III

IMAGE SENSOR

Туре Effective Pixels Total Pixels Aspect Ratio Low-Pass Filter

Colour Filter Type

IMAGE PROCESSOR Type

IFNS

Lens Mount Focal Lenath

SLR FOCUSING Type

AF System/ Points

AF working range AF Modes

AF Point Selection

Selected AF point display

AF Assist Ream Manual Focus

AF Lock

AF Micro adjustment

EXPOSURE CONTROL Metering modes

Metering Range

AE Lock

Exposure Compensation

ΔFR

36 x 24 mm CMOS Approx. 20.1M Approx. 21.4 M

Built-in/Fixed with Self Cleaning Sensor Unit

Primary Colour

DIGIC X

EF (excludes EF-S / EF-M lenses) 1.x Multiplication with EF lens fitted

TTL secondary image-forming phase-difference detection using AF-dedicated sensor 191 Point / 155 f/4 cross-type AF points inc 1 dual cross type at f/2.8 $^{(1)}$ The number of cross-type AF points will differ

depending on the lens. EV -4 to 21 (at 20°C & ISO 100)

One Shot Al Focus

Automatic selection: 191 point AF (inc face tracking and Eye AF) Manual selection: Single point AF (selectable points all points, 61, 15, 9 or cross type

only points selectable) Manual selection: Spot AF

Manual selection: AF point Expansion 4 points (up, down, left, right)

Manual selection: AF point Expansion surrounding 8 Manual selection: 7 one AF

Manual selection: Large Zone AF AF points can be selected separately for vertical and

horizontal shooting

Superimposed in viewfinder and indicated on LCD panel Locked when shutter button is pressed half way or AF

ON is pressed in One Shot AF mode Emitted by an optional dedicated Speedlite

Selected on lens Manual: Enter adjustment level +/- 20 steps Adjust all lenses by same amount Adjust up to 20 lenses individually

Adjust per lens serial number

400,000-pixel RGB+IR metering sensor, 384-zone metering

(1) Evaluative metering (linked to All AF point)
(2) Partial metering (approx. 6.2% of viewfinder at centre)

(3) Spot metering: Center spot metering (approx. 1.5% viewfinder at centre) AF point-linked spot metering Multi-spot metering
(4) Centre weighted average metering

EV 0-20 (at 23°C with 50mm f1.4 lens ISO 100) EV -3-20 in Live and movie

Auto: Operates in 1-shot AF mode with evaluative metering when focus is achieved Manual: By AF lock button in all exposure modes +/-5 EV in 1/3 or 1/2 stop increments

(can be combined with AEB). 2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments Anti-flicker shooting

ISO Speed Equivalent

SHUTTER

Speed Shutter release

WHITE BALANCE Settings

WB Bracketina

VIEWFINDER Viewfinder Coverage (Vertical/Horizontal) Magnification Eyepoint

Dioptre Correction Focusing Screen Mirror Viewfinder Information

Depth of field preview Eyepiece shutter

ICD MONITOR Monitor Coverage Viewing Angle (horizontally/vertically) Coating Brightness

Display Options

Yes. Flicker detected at a frequency of 100 Hz or 120 Hz. Maximum continuous shooting speed may decrease

Stills: 100-102400 (in 1/3-stop increments) ISO can be expanded to L: 50 or H1: 204800, H2: 409600, H3: 819200 (selected in Custom Function)

Vertical-travel mechanical focal-plane shutter. electronically controlled at all speeds / Sensor Flectronic shutter

30 - 1/8000 sec. (1/3 stop increments). Bulb Soft touch electromagnetic release

Auto white balance with the imaging sensor Auto (Ambience priority/ White Priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature Setting White balance compensation:

1. Blue/Amber+/-9

2. Magenta/Green +/-9. +/-3 levels in single level increments

3, 2, 5 or 7 bracketed images per shutter release Selectable Blue/Amber bias or Magenta/Green bias

Pentaprism Approx. 100%

0.76x (2) 20mm -3 to +1 dpt fixed

Quick-return all surface half mirror

AF information: Single/Spot AF points, AF Frame, AF status, Focus indicator, AF mode, AF point selection, AF point registration

Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, flash metering, spot metering circle, exposure warning, AEB, metering mode,

shooting mode, time 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: Crop area, Aspect ratio, Grid, Electronic level

Other information: Battery check, Warning symbol, Flicker Detection, drive mode, white balance, JPEG/RAW indicator

Builtin

3.2" (8.01cm) TFT, approx. 2.1 million dots

Approx. 100% Approx. 170°

Anti-reflection and Solid Structure Auto: Using external ambient light sensor Manual: Adjustable to one of seven levels 4 color tone Adjustable settings

- (1) Quick control Screen
- (2) Camera settings (3) Dual Axis Electronic Level

(4) Custom Quick control screen

EOS-1DM Mark III

FLASH

Modes

X-sync Flash Exposure . Compensation

Flash Exposure Bracketing Flash Exposure Lock

Hot Shoe / PC terminal Second Curtain

Synchronisation **External Flash Compatibility**

External Flash Control

SHOOTING Modes

Picture Styles

Colour Space Image Processing

Drive modes

Continuous Shooting

LIVE VIEW MODE Type Coverage Frame Rate

Focusina

E-TTL II Auto Flash, Metered Manual

+/-3 EV in 1/3-stop increments with EX series Speedlites

Yes, with compatible External Flash

Yes Yes/Yes

Yes

E-TTL II with EX series Speedlites, wireless multi-flash

support

via camera menu screen

Program AE, Shutter priority AE, Aperture priority AE, Manual, 3x Custom settings

Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, Fine Detail, User Defined (x3)

sRGB and Adobe RGB

Clarity (8 levels) Highlight Tone Priority (2 settings) Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings)

Lens optical correction: Peripheral illumination correction (stills and video) - Chromatic aberration correction (stills and video)

- Distortion correction (during or after still photo

shooting)
- Diffraction correction (stills and video) - Digital Lens Optimizer (during or after still photo shooting)

Resize to M1, M2 or S (3)

RAW image processing - during image Playback only Crop images/rotate (3:2, 16:9, 4:3, 1:1, 2:3, 9:16: 3:4

Multiple exposure

Single, Continuous L, Continuous H. Self timer (2s+remote, 10s+remote), S single soft shooting, continuous soft shooting

Max. Approx. 16ps.

Max. 20fps in Live View mode with mirror locked up with exposure and AF tracking (speed maintained for unlimited number of JPEGs or

over 1000 RAW images)

Electronic viewfinder with image sensor

Approx. 100% (horizontally and vertically) For Stills 29.97 fps / for Movies 59.94 fps / 29.97 fps

(NTSC) 50.00 fps / 25.00 fps (PAL) Manual Focus (Magnify the image 5x or 10x at any

point on screen)

Autofocus: Dual Pixel CMOS AF (Face+Tracking

Spot AF 1-point AF Expand AF area:

Expand AF area: Around Zone AF

Large Zone AF: Vertical Large Zone AF: Horizontal) Meterina

Display Options

FILE TYPE Still Image Type

RAW+JPEG simultaneous

Image Size

Folders

File Numbering

EOS MOVIE Movie Type

Movie Size

Simultaneous recording Colour Sampling (Internal recording)

Canon Loa

Movie Lenath

High Frame Rate Movie

4K Frame Grab

Real-time evaluative metering with image sensor (384-zone)

Partial metering (approx 5.8 % of Live View screen) Spot metering (approx. 2.9 % of Live View screen)

Center-weighted average metering Active metering time can be changed

Grid overlay (x3), Basic shooting information, Detailed shooting information, Histogram, Electronic

JPEG: 10 compression options

HEIF: 10 compression options (10bit 422 BT2100) RAW: RAW, CRAW

Complies with Exif 2.31 and Design rule for Camera File system 2.0

Complies with Digital Print Order Format [DPOF] Version 1.1

Yes, any combination of RAW + JPEG/HEIF possible, separate formats to separate cards possibl JPEG / HEIF:(L) 5472x3648, (M1) 4368x2912, (M2) 3648x2432, (S) 2736x1824

HEIF: 5472x3648 RAW: (RAW / C-RAW) 5472x3648

New folders can be manually created and selected

(1) Consecutive numbering

(2) Auto reset

(3) Manual reset

RAW: CRM 12bit Audio: Linear PCM MP 4 Video: 4K (8bit MPEG4 AVC/H.264, 10bit MPEG4/HEVC with Canon log), Full HD - MPEG4 AVC

/ H.264, Audio: Linear PCM MP4 Video: Full HD IPB light - MPEG4 AVC/H.264,

Audio: AAC

4K RAW (5496 x 2904) - (23.98.24.25.29.97.50. 59.94fps) 4K DCI (17:9) - 4096 x 2160 (23.98, 24, 25, 29.97, 50,

59.94fps) intra or inter frame

4K UHD (16:9) - 3840 x 2160 (23.98, 25, 29.97, 50, 59.94fps) intra or inter frame

4K DCI cropped (17:9) - 4096 x 2160 (23.98, 24, 25, 29.97, 50, 59.94fps) intra or inter frame Full HD (16:9) - 1920 x 1080 (25, 29.97, 50, 59.94fps)

intra or inter frame plus IPB light

Yes: RAW to card in slot 1 Proxy (MP4) to card in slot 2

4K - YCbCr4:2:2 (8-bit) Full HD/HD - YCbCr4:2:0 (8-bit)

Yes Loa 1

4K and Full HD - Max duration 29min 59sec (excluding High Frame Rate movies). No 4GB file limit with exFAT CF card.

MOV Video: Full HD - 1920 x 1080 at 100fps or 119.9fps Recorded as 1/4-speed slow motion movie

Single scene maximum recording up to 7 min 29 sec. 8.3-megapixel JPEG still image frame grab from 4K

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Bitrate/Mbps

5.5K RAW: (50/59.94p) Approx. 2600Mbps (30/25/24/23.98p) Approx. 1800Mbps

Canon Log off (H264 MP4)

4K DCI (50/59,94p): ALL-I Approx. 940 Mbps, IPB
Approx. 230 Mbps

470 Mbps, IPB Approx, 120 Mbps

IPB Approx, 230 Mbps

4K UHD (50/59.94p): ALL-I Approx. 940 Mbps, IPB Approx. 230 Mbps

Approx, 120 Mbps

Full HD (59.94p/50.00p): IPB Approx. 60 Mbps Full HD (29.97p/25p): ALL-1: Approx. 90 Mbps Full HD (29.97p/25p): IPB: Approx. 30 Mbps Full HD (29.97p/25p): IPB light: Approx. 12 Mbps

4K DCI (29.97p/25.00p/24.00p/23.98p): ALL-I Approx. 470 Mbps, IPB Approx. 170 Mbps

4K DCI cropped (50/59.94p): ALL-I Approx. 1000 Mbps, IPB Approx. 340 Mbps

4K UHD (50/59.94p): ALL-I Approx. 1000 Mbps, IPB Approx. 340 Mbps

Full HD (59.94p/50.00p); ALL-1: Approx. 170 Mbps Full HD (59.94p/50.00p); IPB Approx. 90 Mbps Full HD (29.97p/25p); ALL-1: Approx. 135 Mbps Full HD (29.97p/25p); IPB: Approx. 45 Mbps Full HD (29.97p/25p); IPB light: Approx. 18 Mbps

HDMI Display External Monitor only, External Monitor only without information display or Simultaneous on camera and

HDMI output 4K and Full HD recording, uncompressed YCbCr 4:2:0, 8-bit BT709, or YCbCr 4:2:2, 10-bit BT2020 with

Tracking AF, Movie Servo AF Manual Focus

Movie Digital IS OTHER FEATURES

Custom Functions

Metadata Tag

Microphone

Focusing

ISO

GPS Universal Time

GPS satellites (USA)

• GLONASS satellites (Russia)

Author, copyright, Image rating (0-5 stars) GPS,

LCD Panel (EL)/ Button Water/ Dust resistance

Intelligent Orientation Sensor

Histoaram

Voice Memo

Playback zoom

4K DCI (29.97p/25.00p/24.00p/23.98p): ALL-I Approx.

4K DCI cropped (50/59.94p): ALL-I Approx. 940 Mbps,

4K DCI cropped (29.97p/25p/24.00p/23.98p): ALL-I Approx. 470 Mbps, IPB Approx. 120 Mbps

4K UHD (29.97p/25p): ALL-I Approx. 470 Mbps, IPB

Full HD 119.90p/100p): ALL-I: Approx. 360 Mbps Full HD (59.94p/50.00p:) ALL-I: Approx. 180 Mbps

<u>Canon Log on (H265 MP4)</u> 4K DCI (50/59.94p): ALL-I Approx. 1000 Mbps, IPB Approx. 340 Mbps

4K DCI cropped (29.97p/25p/24.00p/23.98p): ALL-I Approx. 470 Mbps, IPB Approx. 170 Mbps

4K UHD (29.97p/25p): ALL-I Approx. 470 Mbps, IPB Approx. 170 Mbps

Full HD 119.90p/ 100p): ALL-I: Approx. 470 Mbps Full HD (59.94p/50.00p:) ALL-I: Approx. 170 Mbps

Built-in stereo microphones (48 kHz, 16-bit x 2

external monitor

Canon Log sound output via HDMI is also possible Dual Pixel CMOS AF with Face Detection and

100-25600 (in 1/3-stop increments) ISO can be expanded to or H1: 51200, H2: 102400, H3: 204800 (selected in Custom Function

Yes, image area when enabled: reduced by 10%

Built in - Longitude, Latitude, Elevation, Coordinated

 Quasi-Zenith Satellite Michibiki (Japan) 38 Custom Functions

Rating, IPTC (registered with EOS Utility/ browser remote)

Yes/Yes

Yes Yes Yes

Brightness: Yes RGB: Yes 1.5x - 10x

Display Formats

Image Erase Protection

Image Erase

Menu Categories

Menu Lanauaaes

Firmware Undate

Wi-Fi

Other

Self Timer

(1) Single image with information (2 levels)

(2) Single image

(3) 4 image index (4) 9 image index

(5) 36 image index

(6) 100 image index (7) Jump Display

(8) Movie edit

(9) Raw processina

(10) Rating

Erase protection of one image at a time, folder or

card

Single image, selected, folder, card or all

(1) Shooting Menu 1 - 4 (separate photo/video)

(2) AF menu 1-5 (3) Network 1

(4) Playback menu 1 - 3 (5) Setup menu 1-5 (6) Custom functions 1-9

(7) My Menu (1-5 user selectable)

English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Indonesian, Malaya and

Japanese. Update possible by the user. (Camera, Lens, WFT,

External Speedlite)

INTERFACE Computer USB 3.1 Gen 2 (PTP)

Wireless LAN (IEEE802.11b/g/n) (2.4 GHz only), with Bluetooth support $^{[5]}$ Features supported – FTP/FTPS, EOS Utility, Smartphone.

HDMI (mini), External microphone (Stereo mini jack)

Headphone Jack, RJ-45, N3 remote release terminal, Flash PC connector

MEMORY CARD CFexpress 1.0 Type B

SUPPORTED OPERATING SYSTEM

PC

Macintosh

SOFTWARE

Image Manipulation

POWER SOURCE Batteries

Battery life

Battery check Power saving

A/C Power Supply

Windows 8.1 and Windows 10 (tablet mode not supported)

macOS 10.14 (Mojave) macOS 10.13 (High Sierra) macOS 10.12 (Sierra) OS X 10.11 (El Capitan)

EOS Utility 3, Picture Style Editor, WFT utility, Camera connect app (iOS/android)

Digital Photo Professional 4, Digital Photo Professional Express for iPad (RAW Image Processing)

Rechargeable Li-ion Battery LP-E19, LP-E4N (LP-E19 battery supplied)

Viewfinder shooting approx. 2850 (at 20°C) Viewfinder shooting approx. 2360 (at 0°C) Live View shooting approx. 610 (at 20°C) Live View shooting approx. 530 (at 0°C) (6)
4K movie recording approx. 2 hr 20 mins (at 20°C) (movie Servo AF disabled)

Automatic displayed in 6 levels Power turns off after 1, 2, 4, 8, 15 or 30 mins.

Power adapter AC-E19 / DR-E19

Canon



ACCESSORIES

Lenses

All EF lenses (excludes EF-S lenses)

Flash

Canon Speedlites EL100, 430EX III, 470EX AI, 600EX-II RT, MR-14EX II, Macro, Twin Lite MT-26EX, Speedlite (90EX, 220EX, 270EX, 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, 600EX-RT, 600EX, EL 100, Macro-Ring-Lite MR-14EX, Macro-Ring-Lite, Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)

Remote control with N3 type contact and Speedlite

Battery Pack LP-E19, Battery Pack LP-E4N, Battery charger LC-E19, Power Adapter AC-E19 / DR-E19

Remote Controller/Switch

Power Supply & Battery Chargers

Wireless File Transmitter WFT-E9B, Eyecup Eg, Eg-series Dioptric Adjustment Lens with Rubber Frame Eg, Anti Fog Eyepiece Eg, Angle Finder C, Hand Strap E2

PHYSICAL SPECIFICATIONS

Body Materials Operating Environment Dimensions (WxHxD) Weight (body only)

Magnesium Alloy

600FX-II RT

0-45 °C, 85% or less humidity 158 x 167.6 x 82.6mm Approx. 1250g

Footnotes

- [1] The number of AF points, cross-type AF points, and dual cross-type AF points vary depending on the lens used
 [2] With 50mm lens at infinity, -1 dpt
- [3] Frame grab images from 4K movies cannot be resized
- (4) File size, number of possible shots, and maximum burst vary depending on shooting conditions (including JPEG/HEIF image quality: 8, subject, memory card brand, ISO speed, Picture Style, and Custom Function, etc.).
- (5) Wi-Fi use may be restricted in certain countries or regions
- [4] Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated



Canon Inc. canon.com Canon Europe canon-europe.com English edition Canon Europa NV 2020