

Specifications

Type

Digital single-lens non-reflex AF/AE camera

Recording Media

SD/SDHC/SDXC memory card

*** UHS-I compatible**

Image Format

Approx. 22.3 x 14.9mm (APS-C Size)

Compatible Lenses

EF-M lens (and EF/EF-S lenses when using Mount Adapter EF-EOS M)

Equivalent to approximately 1.6x the focal length indicated on a mounted lens

Image Sensor

Type

Canon CMOS Sensor

Pixels

Effective pixels: Approx. 24.1 Megapixels

Total pixels: Approx. 25.8 Megapixels

• Pixel count may decrease due to image processing.

Pixel Unit

Square pixel approx. 3.72 μm

Aspect Ratio

3:2

Dust Deletion Feature

Auto / Manual

Recording System

Recording Format

EXIF 2.31 (DCF2.0)

Image

JPEG / RAW (CR3 a Canon 14-bit RAW format)

File Size

3:2 Aspect Ratio

Large: 6000 x 4000

Medium: 3984 x 2656
Small 1: 2976 x 1984
Small 2: 2400 x 1600
RAW: 6000 x 4000
C-RAW: 6000 x 4000

16:9 Aspect Ratio

Large: 6000 x 3368
Medium: 3984 x 2240
Small 1: 2976 x 1680
Small 2: 2400 x 1344
RAW: 6000 x 3368
C-RAW: 6000 x 3368

4:3 Aspect Ratio

Large: 5328 x 4000
Medium: 3552 x 2664
Small 1: 2656 x 1992
Small 2: 2112 x 1600
RAW: 5328 x 4000
C-RAW: 5328 x 4000

1:1 Aspect Ratio

Large: 4000 x 4000
Medium: 2656 x 2656
Small 1: 1984 x 1984
Small 2: 1600 x 1600
RAW: 4000 x 4000
C-RAW: 4000 x 4000

File Number

Continuous, Auto Reset, Manual Reset

RAW + JPEG Simultaneous Recording

Yes

Picture Style

Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def. 1–3

White Balance

Picture Style

- **Auto (Ambience priority)**
- **Auto (White priority)**
- **Daylight (Approx. 5200K)**
- **Shade (Approx. 7000K)**
- **Cloudy (Approx. 6000K)**
- **Tungsten light (Approx. 3200K)**
- **White fluorescent light (Approx. 4000K)**
- **Flash (Approx. 5200K)**
- **Custom**
- **Colour temp. (Adjustable from 2500K to 10000K in 100K increments)**

White Balance Correction

Blue/Amber: ±9 levels
Green/Magenta: ±9 levels

Viewfinder

Type

Built-in electronic colour viewfinder with 0.39-type screen size and approx. 2.36 million dots

Grid Display

3 types

Depth of Field Preview

Provided

Autofocus

Type

Dual Pixel CMOS AF (Face+Tracking AF, Zone AF, 1-point AF)

AF Points

143 / 99 points

AF Working Range

EV -2–18 (at room temperature 73°F/23°C, ISO 100, when using EF-M 22mm f/2 STM)

Focusing Modes

1. TTL Autofocus

- o One-Shot AF**

- o Servo AF**

2. Continuous AF

3. MF (Manual Focus)

- o MF Peaking**

- o Electronic Manual Focus on Lens (Focus is manually adjusted after One-Shot AF operation)**

Continuous AF

Provided

AF Assist Beam

Built-in LED lamp

Exposure Control

Metering Modes

Real-time metering using the image sensor

- 1. Evaluative metering (384 zones)**

- 2. Partial metering (6.4%)**

- 3. Spot metering (2.8%)**

- 4. Center-weighted average**

Metering Range

EV 0–20 (at room temperature 73°F/23°C, ISO 100)

Exposure Control Systems

- 1. Program AE**
- 2. Shutter-priority AE**
- 3. Aperture-priority AE**
- 4. Manual exposure**

ISO Speed Range (Recommended Exposure Index)

ISO Auto Range (AUTO mode): ISO 100–6400

Max. ISO Speed (P mode): ISO 25600

Max. Expanded ISO Speed (P mode): ISO 51200

Exposure Compensation

- 1. Manual: ± 3 stops in 1/3-stop increments**
 - 2. AE Bracketing: ± 2 stops in 1/3-stop increments**
- AE Bracketing can be used together with manual compensation.**

AE Lock

Manual / Auto

Shutter

Type

Electronically controlled focal-plane shutter

Shutter Speeds

1/4000 sec. to 30 sec.

Highest flash-sync shutter speed: 1/200 sec.

Self Timer

Off, 2 sec. delay, 10 sec. delay, Custom, Remote Shooting

Time Lag (LCD Monitor On)

Camera Start-up Time

Approx. 1.0 sec.

Built-in Flash

Type

Manual pop-up flash

Guide Number

GN approx. 5/16.4 (ISO 100 m/ft.)

Flash Coverage

Covers approx. 15mm focal length (35mm film size conversion: approx. 24mm)

Flash Exposure Compensation

±2 stops in 1/3-stop increments

External Speedlite

Flash Metering

E-TTL II autoflash

Flash Exposure Compensation

±2 stops in 1/3-stop increments

FE Lock

Provided

External Flash Settings

Flash functions settable with the camera

Drive System

Drive Modes

Single shooting, Continuous shooting (High-speed

continuous shooting, low-speed continuous shooting)

Video Shooting

File Format

MP4

Video: MPEG-4 AVC / H.264

Audio: MPEG-4 AAC-LC (stereo)

File Size

Recording Sizes:

3840 x 2160 (4K UHD), 1920 x 1080 (Full HD) and 1280 x 720 (HD)

Frame Rates

[3840 x 2160]: 23.98 fps

[1920 x 1080]: 59.94 fps / 29.97 fps / 23.98 fps

[1280 x 720]: 119.9 fps / 59.94 fps

Metering Mode

Real-time metering using the image sensor

1. Center-weighted average

ISO Speed Range (Recommended Exposure Index)

3840 x 2160 (4K UHD)

ISO Auto Range (AUTO and Manual mode): ISO 100–6400

1920 x 1080 (Full HD), 1280 x 720 (HD)

ISO Auto Range (AUTO and Manual mode): ISO 100–12800

Expandable to ISO 25600

Exposure Compensation

±3 stops in 1/3-stop increments

LCD Monitor

Type

TFT colour liquid crystal monitor

Monitor Size

3.0 type

Pixels

Approx. 1.04 million dots

Features

Vari-angle

Touch-screen Panel

Electrostatic capacitance type

Brightness Control

Electrostatic capacitance type

Interface Languages

29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Malay, Vietnamese, Indonesian, Hindi, Japanese)

Playback

Display Format

- 1. Single-image display**
- 2. 1 shot + information display**
 - o Simple information**
 - o Detailed information**
 - ♣ Histogram**
 - ♣ Lens information**
 - ♣ Picture Style**
 - ♣ Noise reduction**
 - ♣ Correction data**
- 3. Index display**
 - o 4-image**
 - o 9-image**
 - o 36-image**

o 100-image

4. Image rotate

Highlight Alert

Provided

Image Protection

Provided

Direct Printing

Compatible

PictBridge-compatible printers

Resize

Provided

Red-eye Correction

Provided

Compatible Printers

PictBridge

Printable Images

JPEG and RAW* are printable.

***Prints JPEG images after RAW processing.**

Digital Print Order Format

DPOF

DCF-compliant DPOF compatible (Version 1.1)

Customization

**Custom Controls (Camera Controls / Buttons
Customization)**

**Functions can be assigned to the following controls (set in
Custom Functions):**

- **Shutter button**
- **Cross button (up, down, left, right)**
- **AE lock button**
- **M-Fn button**
- **Movie button**

Interface

USB Terminal

Micro USB

Audio / Video OUT Terminal

HDMI OUT terminal Type D

HDMI output while recording (shooting screen without sound) available

HDMI output to HDR compatible TVs* available

*** Movie playback not supported. JPEG images are not displayed in HDR.**

Power Source

Battery

LP-E12

Battery Life

Number of Still Image Shots (CIPA compliant: room temperature 73°F/23°C)

Screen On*: Approx. 235 shots

Electronic Colour Viewfinder On*: Approx. 235 shots

Number of Still Image Shots (Eco Mode On)

Screen On: Approx. 370 shots**

Movie Recording Time (CIPA compliant: room temperature 73°F/23°C)

Screen On: Approx. 85 min.

Electronic Colour Viewfinder On: Approx. 85 min.

Movie Recording Time* (Continuous Shooting)**

Screen On: Approx. 130 min.

Electronic Colour Viewfinder On: Approx. 130 min.

*** Approx. 290 shots when power saving is enabled.**

**** Approx. 425 shots when power saving is enabled.**

***** Total shooting time when shooting is performed under the following conditions: using default AUTO Mode; without using zooming and other operations; when max. recording time per movie is reached and recording stops/resumes automatically.**

Playback Time

Approx. 4 hr.

- **Time when playing back a slideshow of still images.**

Dimensions and Weight

Dimensions (W x H x D)

Approx. 4.6 x 3.5 x 2.3 in. (116.3 x 88.1 x 58.7mm)

CIPA compliant.

Weight

Approx. 12.4 oz. / 351g (body only)

Approx. 13.7 oz. / 387g (including battery pack, memory card)

CIPA compliant.

Operating Environment

Working Temperature Range

32-104°F / 0-40°C

Working Humidity Range

85% or less