

# TECHNICAL SPECIFICATIONS

PowerShot **ZOOM**

## IMAGE SENSOR

**Effective sensor size:** 1/3-inch CMOS  
**Camera effective pixels:** Max approx. 12.1 megapixels

## IMAGE PROCESSOR

**Type** DIGIC 8

## OPTICS

**Focal length**<sup>\*1</sup> 100/400mm (35mm format)  
 Digital zoom: x2 (800mm equivalent)  
**W:** f/5.6, T: f/6.3<sup>\*2</sup>  
**11 elements in 8 groups**  
**W:** 1m / T: 4.5m  
 Yes<sup>\*3</sup>  
**Magnification** 1.2x / 4.8x / 9.6x (at 100/400/800mm)  
**Real field of view (Still)** 24.5° / 6.2° / 3.1° (at 100/400/800mm)  
**Real field of view (Movie)** 22.6° / 5.7° / 2.8° (at 100/400/800mm)  
**Apparent field of view (Still)** 28.6° (at 100/400/800mm)  
**Apparent field of view (Movie)** 26.4° (at 100/400/800mm)  
**1000 m field of view (Still)** 434m / 108m / 54m (at 100/400/800mm)  
**1000 m field of view (Movie)** 400m / 100m / 49m (at 100/400/800mm)

## VIEWFINDER

**Type** 0.39-inch EVF OLED  
**Resolution** 2.36 million dots  
**Refresh rate** 59.94 fps  
**Coverage** Approx. 100%<sup>\*4</sup>  
**Dioptric adjustment** Approx. -3 to +1 m<sup>-1</sup> (dpt)  
**Eyepoint** Approx. 22mm

## LCD MONITOR

**Type** Viewfinder only

## FOCUSING

**AF Method** Contrast detection (Approx. 100% coverage)  
**Still AF operation** One-Shot AF  
**Movie AF operation** Movie Servo AF

## EXPOSURE CONTROL

**Metering system** Evaluative metering (384-zone)  
**Exposure compensation** ±3 levels in 1/3-level increments  
**ISO speed (Still/Movie)** AUTO (fixed 100 – 3200)  
**White balance** AUTO  
**Shutter speed** AUTO (1/8000 – 1/30)<sup>\*5</sup>  
**Flash** No

## SHOOTING

**Shooting mode** AUTO<sup>\*6</sup>  
**Self-timer** No  
**Continuous shooting** Max. approx. 10 fps<sup>\*7</sup>

## NUMBER OF RECORDING PIXELS

**Still image** 4000 x 3000 (4:3)  
 1920 x 1080  
**Movie** 29.97/23.98 fps (NTSC), 25.00 fps (PAL)<sup>\*8</sup>

## RECORDING

**File format** Complies with DCF 2.0 and Exif 2.31  
**Recording media** microSD / microSDHC / microSDXC

## DATA TYPE

**Still image** JPEG  
**Movie** MP4

## POWER SOURCE

**Power supply** Built-in rechargeable lithium-ion battery  
**USB charging/power supply** Can be charged/powerd with USB Type-C<sup>\*9</sup>

## BATTERY LIFE

**Viewing time** Approx. 70 min.  
**Number of possible shots** Approx. 150  
**Movie shooting time** Approx. 60 min.

## INTERFACE

**Computer** USB Type-C<sup>\*10</sup>  
**Other** Wi-Fi, IEEE802.11b/g/n, 2.4GHz<sup>\*11</sup>  
 Bluetooth (BLE, V4.2)

## OTHER FEATURES

**Display languages** 31 languages  
**Video system** NTSC/PAL  
**Speaker** No  
**Microphone** Stereo

## OPERATING ENVIRONMENT

**Temperature** 0°C - 40°C  
**Humidity** 10 - 90 %

## PHYSICAL SPECIFICATIONS

**Dimensions W x H x D** 33.4mm x 50.8mm x 103.2mm  
**Weight** Approx. 145 g<sup>\*12</sup>  
**Water/dust-resistance** No  
**Accessories** Wrist strap, interface cable, and instruction manual  
**App** Camera Connect compatible

## Footnotes:-

- [1] "3 step zoom", Switchable: 100 → 400 → 800 → 100...  
 [2] Fixed aperture  
 [3] Equipped with Optical IS control to improve stills and video shooting, and the appearance when using the EVF. (CIPA standard measurement not possible)  
 [4] At eyepoint approx. 22mm  
 [5] Electronic shutter; during movie recording the camera use shutter speeds between 1/4000 - 1/30 second  
 [6] AE line similar to sports mode  
 [7] AF fixed using One-Shot AF  
 [8] Maximum recording time is 9 min. 59 sec. at one time. During Wi-Fi connection movie recording is not possible.  
 [9] Charging whilst operating the camera is only possible with 18W (9V / 2A) or higher compatible devices. When shooting video or stills, power is only supplied to camera without charging the internal battery. Charging time with Canon PD-E1 is approx. 1 hour 50 mins.  
 [10] USB-PD compatible  
 [11] Movie recording is not possible during Wi-Fi connection.  
 [12] Including built-in battery and memory card (Based on CIPA guidelines)

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