

## Clifton Cameras Product Specification

### Canon PowerShot ZOOM Full Spec

## Image Sensor

- Type  
1/3-inch CMOS
- Effective Pixels  
Max approx. 12.1 megapixels

## Image Processor

- Type  
DIGIC 8

## Lens

- Focal Length  
[100/400 mm (35mm format)  
Digital zoom: x2 (800 mm equivalent)]<sup>1</sup>
- Zoom  
1.2x / 4.8x / 9.6x (at 100/400/800 mm)
- Maximum f/number  
W: f/5.6, T: f/6.3<sup>2</sup>
- Construction  
11 elements in 8 groups
- Image Stabilisation  
Yes<sup>3</sup>



- Real Field of View (Stills)  
24.5° / 6.2° / 3.1° (at 100/400/800 mm)
- Real Field of View (Movie)  
22.6° / 5.7° / 2.8° (at 100/400/800 mm)
- Apparent Field of View (Still)  
28.6° (at 100/400/800 mm)
- Apparent Field of View (Movie)  
26.4° (at 100/400/800 mm)
- 1000m Field of View (Still)  
434m / 108m / 54m (at 100/400/800 mm)
- 1000m Field of View (Movie)  
400 m / 100 m / 49m (at 100/400/800 mm)

## Focusing

- Type  
Contrast detection (Approx. 100% coverage)
- AF System / Points  
One-Shot AF  
Movie Servo AF
- Closest Focusing Distance  
W: 1m / T: 4.5m

## Exposure Control

- Metering Modes  
Evaluative metering (384-zone)

- Exposure Compensation  
±3 levels in 1/3-level increments
- ISO Sensitivity
- AUTO (fixed 100 – 3200)

## Shutter

- Speed  
AUTO (1/8000 - 1/30)<sup>4</sup>

## White Balance

- Type  
AUTO

## Viewfinder

- Type  
0.39-inch EVF OLED
- Dot Count  
2.36 million dots
- Coverage (Vertical/Horizontal)  
Approx. 100%<sup>5</sup>
- Eyepoint  
Approx. 22 mm
- Dioptre Correction  
Approx. -3 to +1 m<sup>-1</sup> (dpt)
- Refresh Rate  
59.94 fps

## LCD Monitor

- Type  
Viewfinder only

## Shooting

- Modes  
AUTO<sup>6</sup>
- Continuous Shooting  
Max. approx. 10 fps<sup>7</sup>
- Interval Timer  
No

## File Types

- Still Image Type  
JPEG<sup>8</sup>
- Image Size  
4000 x 3000 (4:3)

## Recording Pixels / Compression

- Movie Type  
MP4 (NTSC/PAL)
- Movie Size  
1920 x 1080  
29.97/23.98 fps (NTSC), 25.00 fps (PAL)<sup>9</sup>
- Microphone  
Stereo



- Speaker

No

## Other Features

- Menu Languages

31 languages

## Connectivity

- Wired Connectivity

USB Type-C<sup>10</sup>

- Wireless Connectivity

Wi-Fi, IEEE802.11b/g/n, 2.4GHz<sup>11</sup>  
Bluetooth (BLE, V4.2)

## Storage

- Type

microSD / microSDHC / microSDXC

## Software

- Other

Compatible with Camera Connect

## Power Source

- Batteries

Built-in rechargeable lithium-ion battery

- Battery Life



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

- Power Supply & Battery Chargers

Can be charged/powered with USB Type-C<sup>12</sup>

## Accessories

- Other

Wrist strap, interface cable, and instruction manual

## Physical Specifications

- Operating Environment

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

- Water/Dust-Resistance

No

- Dimensions (W x H x D)

33.4 mm x 50.8 mm x 103.2 mm

- Weight

Approx. 145 g<sup>13</sup>

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. Electronic shutter; during movie recording the camera use shutter speeds between 1/4000 - 1/30 second
5. At eyepoint approx. 22 mm
6. AE line similar to sports mode
7. AF fixed using One-Shot AF
8. Complies with DCF 2.0 and Exif 2.31



9. Maximum recording time is 9 min. 59 sec. at one time. During Wi-Fi connection movie recording is not possible.
10. USB-PD compatible
11. Movie recording is not possible during Wi-Fi connection.
12. No charger supplied with the camera. Minimum charging requirement is a USB PD compliant power source providing a minimum of 5V, 1.5A with a USB Type-C output and using the provided USB Type-C to Type-C cable. 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.
13. Including built-in battery and memory card (Based on CIPA guidelines)

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