

# PowerShot V10

## DESIGNED FOR VLOGGING

Designed for entry-level vloggers, PowerShot V10 is an all-in-one 4K vlogging camera that fits easily in the pocket.



- Pocket-perfect all-in-one
- Wow your subscribers with engaging content
- Sound simply superb
- Connect with confidence
- Livestream with ease



### PRODUCT RANGE



EOS M50 Mark II



PowerShot G7 X Mark III



PowerShot V10

EOS R50  
EOS M50 Mark II  
PowerShot G7 X  
Mark III  
**PowerShot V10**

# Canon

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# TECHNICAL SPECIFICATIONS

# PowerShot V10

<b>IMAGE SENSOR</b>		<b>VIEWFINDER</b>	N/A
Type	High-sensitivity CMOS sensor (back-illuminated)	<b>LCD MONITOR</b>	Approx. 460,000 dots 2.0-inch (aspect ratio of 3:2) TFT colour, liquid-crystal monitor Approx. 100% vertically and horizontally Manually adjustable in a range of 1–5 Tap-based subject selection / Touch Shutter (Disable / Enable) / Menu setting touch control / Quick Control touch control Tilt Approx. 180° upward
Effective Sensor Size	1.0 inch		
Effective Pixels	Approx. 13.1 megapixels (During Full HD 16:9 Movie recording) Approx. 15.2 megapixels (During Still photo shooting)		
Total Pixels	Approx. 20.9 megapixels		
Colour Filter Type	RGB primary colour filters		
<b>IMAGE PROCESSOR</b>		<b>Display Options</b>	
Type	DIGIC X	<b>FLASH</b>	N/A
<b>LENS</b>		<b>SHOOTING Modes</b>	Still photo shooting: Auto photo (equivalent to Scene Intelligent Auto/A+) Movie recording: <ul style="list-style-type: none"><li>• Auto movie</li><li>• Smooth skin movie <sup>[4]</sup></li><li>• Movie IS mode <sup>[5]</sup></li><li>• Manual exposure movie</li></ul> 14 colour filters: For outdoors on a fine day, such as a cafe scene with shade and shadows: <ul style="list-style-type: none"><li>- StoryTeal&amp;Orange: Shifts colours toward teal/orange overall and creates cinematic shadows.</li><li>- StoryMagenta: Shifts colours toward magenta overall and creates cinematic shadows.</li><li>- StoryBlue: Shifts colours toward blue overall and creates cinematic shadows.</li><li>- PaleTeal&amp;Orange: Teal/orange overall, tinged with bluish-white.</li></ul> For Urban scenes and landscape with sky: <ul style="list-style-type: none"><li>- RetroGreen: Applies a nostalgic effect, from a greenish tint.</li><li>- Sepiatone: Applies an effect that is sepia-toned overall.</li><li>- AccentRed: Applies an effect that mutes all colours except reds.</li></ul> For warm food and sweets: <ul style="list-style-type: none"><li>- TastyWarm: Applies an effect with an amber tint and increased saturation, for appetizing food photography of dishes that are golden brown or served warm.</li><li>- TastyCool: Applies an effect with a whitish tint and increased saturation, for appetizing food photography of sweets or other vibrant dishes.</li></ul> For indoors with indirect lighting and night walking scenes: <ul style="list-style-type: none"><li>- BrightAmber: Shifts scenes toward amber overall while brightening dark, indirectly lit or candlelit scenes.</li><li>- BrightWhite: Shifts scenes toward white overall while brightening dark, indirectly lit or candlelit scenes.</li></ul> Bright night cityscape and indoor spaces with sunbeams: <ul style="list-style-type: none"><li>- ClearLightBlue: Shifts scenes toward blue overall, while lowering contrast and brightening shadows to create a sense of clarity.</li><li>- ClearPurple: Shifts scenes toward purple overall, while lowering contrast and brightening shadows to create a sense of clarity.</li><li>- ClearAmber: Shifts scenes toward amber overall, while lowering contrast and brightening shadows to create a sense of clarity.</li></ul> Single shooting / Self-timer: 10 sec. / Self-timer: 2 sec.
Focal Length	6.6 mm (Approx. 19 mm equivalent, 35mm format equivalent; During Full HD, 16:9 Movie recording) 6.6 mm (Approx. 18 mm equivalent, 35mm format equivalent; During Still photo shooting)		
Zoom	Digital Zoom (Off / 1.5× / 2.0× / 3.0×) <sup>[1]</sup>		
Maximum Aperture	f/2.8		
Angle of View (Horzntl, Vertl, Diagnl)	97.5° (During Full HD, 16:9 Movie recording) 100.2° (During Still photo shooting)		
Construction	8 elements in 7 groups (including 3 Aspherical lenses and ND filter equivalent to 3 stops)	<b>Picture Styles</b>	
Image Stabilisation	Digital only (Off/On/Enhanced)		
<b>FOCUSING</b>			
Type	Contrast detection		
AF Operation (Stills)	One-Shot AF		
AF Operation (Movie)	Movie Servo AF		
AF System/Points	Approx. 100% vertical and horizontal coverage		
AF Modes	Face tracking AF, Specified frame AF <sup>[2]</sup>		
AF Point Selection	Subjects to track are specified by tapping		
AF Lock	Tap to start/stop AF <sup>[3]</sup>		
Closest Focusing Distance	0.05 m		
<b>EXPOSURE CONTROL</b>			
Metering Modes	Evaluative metering with 384-zone (24×16) metering using the image sensor		
Exposure Compensation	Manual exposure movie mode ±3 stops (in 1/3-stop increments)		
ISO Sensitivity	Auto ISO range for Movies: <ul style="list-style-type: none"><li>- Full HD ISO 125–6400 (in 1/3-stop increments)</li><li>- 4K ISO 125–3200 (in 1/3-stop increments)</li></ul> Manual ISO range for manual exposure Movies: <ul style="list-style-type: none"><li>- Full HD ISO 125–6400 (in 1/3-stop increments)</li><li>- 4K ISO 125–3200 (in 1/3-stop increments)</li></ul> Auto ISO range for still photos: ISO 125–12800 (in 1/3-stop increments)		
<b>SHUTTER</b>			
Speed	Movies: 1/4000 to 1/8 sec. (in 1/3-stop increments) * Varies depending on the movie recording mode or frame rate. Still photos: 1/2000 to 1.0 sec. (in 1/3-stop increments) * Varies depending on the scene.		
<b>WHITE BALANCE</b>			
Type	Auto white balance with the imaging sensor		
Settings	AWB (Ambience priority/White priority), Daylight, Shade, Cloudy (Effective also in twilight and sunset), Tungsten light, White Fluorescent light, Colour Temperature White balance shift (Adjustable in [Colour tone] in compatible modes.): 1. Blue/Amber +/-9 2. Magenta/Green +/-9	<b>Drive Modes</b>	

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# PowerShot V10

## FILE TYPES

### Still Image Type

JPEG: 8-bit (Compliant with Design rule for Camera File system 2.0 and Exif 2.31)

### Movie Type

MP4: 8-bit (H.264 / MPEG-4 AVC IPB Standard / IPB Light including AAC compressed audio)

## RECORDING PIXELS / COMPRESSION

### Image Size

3:2 - (L) 5472 x 3648, (M) 3648 x 2432, (S1) 2736 x 1824, (S2) 2400 x 1600  
4:3 - (L) 4864 x 3648, (M) 3248 x 2432, (S1) 2432 x 1824, (S2) 2112 x 1600  
16:9 - (L) 5472 x 3072, (M) 3648 x 2048, (S1) 2736 x 1536, (S2) 2400 x 1344  
1:1 - (L) 3648 x 3648, (M) 2432 x 2432, (S1) 1824 x 1824, (S2) 1600 x 1600<sup>[6]</sup>

### Movie Size

4K UHD (16:9) 3840 x 2160 (29.97, 25, 23.98fps) inter frame (IPB) / (IPB Light)  
Full HD (16:9) 1920 x 1080 (59.94, 50, 29.97, 25fps) inter frame (IPB) / (IPB Light) | (25, 23.98fps) inter frame (IPB)

### Movie Length

Max movie continuous recording time available 1 hour.<sup>[7]</sup>  
Smooth Skin Movie mode (4K): max 5 min.  
No 4GB file limit with exFAT formatted SD card.

### Bitrate/Mbps<sup>[8]</sup>

4K (29.97p/25.00p/23.98p): IPB Approx. 120 Mbps  
4K (29.97p/25.00p/23.98p): IPB (Light) Approx. 60 Mbps  
Full HD (59.94p/50.00p): IPB Approx. 60 Mbps  
Full HD (59.94p/50.00p): IPB (Light) Approx. 35 Mbps  
Full HD (29.97p/25.00p): IPB Approx. 30 Mbps  
Full HD (29.97p/25.00p): IPB (Light) Approx. 12 Mbps  
Full HD (23.98p): IPB Approx. 30 Mbps

### Microphone

Built-in stereo microphone (48 KHz, 16-bit x 2 channels)  
3.5 mm external microphone input (Input impedance 2.2 kΩ, Standard input level -63 dBV, Maximum input level -23 dBV)

### Speaker

Built-in monaural speaker (Movie playback volume: 0 (silent) to 10)

### HDMI Display

Output to external monitor only (output of images/video and shooting information, images/video are recorded to the card)

### HDMI Output

Camera screen and External Monitor output (no recording to the card, camera screen shows images/video with shooting information):  
Auto / 1080p  
Uncompressed YCbCr 4:2:0, 8-bit, supporting BT.709, when connected to compatible monitors.  
Simultaneous display on the screen and over HDMI is not supported when [Smooth skin movie] is selected.  
Continuous Contrast detection Autofocus  
AF operation: Movie Servo AF  
AF method: Face tracking AF / Specified frame AF  
AF lock: Tap to start/stop AF  
Manual focus (MF): Not supported

### Focusing

Auto ISO range for Movies:  
- Full HD ISO 125-6400 (in 1/3-stop increments)  
- 4K ISO 125-3200 (in 1/3-stop increments)  
Manual ISO range for manual exposure Movies:  
- Full HD ISO 125-6400 (in 1/3-stop increments)  
- 4K ISO 125-3200 (in 1/3-stop increments)  
Auto ISO range for still photos: ISO 125-12800 (in 1/3-stop increments)

### ISO

Auto ISO range for Movies:  
- Full HD ISO 125-6400 (in 1/3-stop increments)  
- 4K ISO 125-3200 (in 1/3-stop increments)  
Manual ISO range for manual exposure Movies:  
- Full HD ISO 125-6400 (in 1/3-stop increments)  
- 4K ISO 125-3200 (in 1/3-stop increments)  
Auto ISO range for still photos: ISO 125-12800 (in 1/3-stop increments)

## OTHER FEATURES

### GPS

GPS via Mobile (linked to a compatible smartphone)

### Intelligent Orientation Sensor

Yes

### Histogram

Yes (Brightness in playback mode)

### Self Timer

Approx. 2, 10 s

### Menu Languages

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

## CONNECTIVITY

### Wired Connectivity

High Speed USB (USB 2.0 equivalent) USB Type-C connector also used for computer communication / USB charge or power.

### Wireless Connectivity

Wireless LAN (IEEE802.11b/g/n) (2.4 GHz) 32, with Bluetooth 4.2 support Features supported - Smartphone, Upload to image.canon, Live Streaming<sup>[9]</sup>

### Apps

Canon Camera Connect app (iOS/Android)

### Other

HDMI Micro out (Type D, HDMI-CEC not supported)  
External Microphone In (3.5mm Stereo mini jack)  
USB Type-C connector with UVC/UAC compatibility<sup>[10]</sup>

## DIRECT PRINT

### PictBridge

Not supported

### Canon Printers

Not supported

## STORAGE

### Type

microSD/microSDHC/microSDXC and UHS-I<sup>[11]</sup>

## SOFTWARE

### Other

Canon Camera Connect app (iOS/Android)  
image.canon app (iOS/Android)

## POWER SOURCE

### Batteries

Built-in rechargeable lithium-ion battery

### Battery Life

Number of possible shots: Approx. 290  
4K Movie shooting time: Approx. 55 min.  
Full HD Movie shooting time: Approx. 1 hr, 20 min.  
4K Playback time: Approx. 2 hr, 40 min.<sup>[12]</sup>

### Battery Indicator

4-level indicator

### Power Saving

Screen off: 30 sec. / 1 min. / 3 min. / 5 min. / Disable  
Auto power off: 30 sec. / 1 min. / 3 min. / 5 min. / 10 min. / Disable<sup>[13]</sup>

### Power Supply & Battery Chargers

PD-E1 USB power adapter (The camera also supports both Type-C PD compatible and non-PD compatible chargers).<sup>[14]</sup>

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# TECHNICAL SPECIFICATIONS

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## BATTERY LIFE

### Viewing Time

4K Playback time: Approx. 2 hr, 40 min.

### Number of Possible Shots

Approx. 290

### Movie Shooting Time

4K Movie shooting time: Approx. 55 min.

Full HD Movie shooting time: Approx. 1 hr, 20 min.

## ACCESSORIES

### Soft Case / Waterproof Case

Soft case

### Power Supply & Battery Chargers (Optional)

PD-E1 USB power adapter

### Remote Controller/Switch

Wireless Remote Control BR-E1, Smartphone (Using Canon Camera Connect app)

### Other

Stereo Microphone DM-E1 / DM-E100, Tripod grip HG-100TBR, Interface Cable IFC-100U, Interface Cable IFC-400U, Wrist Strap WS-800

## PHYSICAL SPECIFICATIONS

### Operating Environment

0 – 40 °C

### Humidity Range

10%–90%

### Water/Dust-Resistance

No

### Tripod Mount

1/4 (ISO 1222)

### Dimensions (WxHxD)

Approx. 63.4 × 90.0 × 34.3 mm

### Weight

211 g

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## Footnotes:

- [1] Cannot be combined with image stabilization or auto level.
- [2] Specified frame AF is only available in Movie Recording mode.
- [3] Only available in Movie recording mode. AF lock icon is displayed only in the detailed information screen.
- [4] Stronger Smooth Skin effect will reduce the resolution of eyelashes, hair and other areas adjacent to the skin. In humid conditions, condensation may form inside the camera lens when shooting with the Smooth Skin Mode at 4K.
- [5] Using Movie digital IS results in cropped movies. Cannot be combined with auto level, digital zoom or with Smooth skin mode.
- [6] Because distortion correction is applied, the camera's effective pixel count may be lower than the image pixel count.
- [7] If the camera's internal temperature becomes too high the recording time may reduce. Shooting 4K UHD 29.97p for approx. 20 minutes without heat limit is possible if starting from +23°C. In other modes (apart from Smooth skin Movie recording in 4K that is limited to 5 min.) there is no limit due to heat.
- [8] Bit rate only applies to video output, not audio or metadata. Movie recording stops when the maximum recording time per movie is reached. No audio is recorded for approx. the last two frames with the compression method for movie recording quality set to IPB (Standard) or IPB (Light). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.
- [9] Please be aware that live streaming platforms may change, stop, or terminate their service, at any time without notice. Please check with live streaming platforms for the latest requirements. Canon makes no representations or warranties with respect to any third-party product or service, including live streaming. Requires strong Wi-Fi or Mobile data connection. Live Streaming using mobile data may involve third-party fees. Stream quality depends on your upload speed, mobile data service, availability, coverage.
- [10] USB Type-A power is not guaranteed. PD compliant USB port is required for powering the camera whilst using as a webcam.
- [11] A microSDXC card with V30 speed class or better is required for best video shooting experience.
- [12] With a fully charged new battery at +23°C.
- [13] Power saving functions disabled while connected via USB.
- [14] USB Type-A charging is not guaranteed.

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