

Canon PowerShot V1 Specification

PowerShot V1

Specifications

IMAGE SENSOR

Type:	CMOS
Effective Sensor Size:	1.4 inch
Effective Pixels:	Approx. 22.3 megapixels
Total Pixels:	Approx. 23.9 megapixels
Colour Filter Type:	RGB primary colour filters

IMAGE PROCESSOR

Type:	DIGIC X
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LENS

Focal Length:	8.2-25.6mm
Zoom:	3.1x optical zoom
Maximum Aperture:	f/2.8
Angle of View (Horzntl, Vertl, Diagnl):	Still photo shooting: 107-46.8° Movie shooting (4K, 16:9): 104.4-44.9°
Construction:	9 elements in 8 groups
Image Stabilisation:	Optical IS Provided

FOCUSING

Type:	Dual Pixel CMOS AF
AF Operation (Stills):	One-Shot AF, AI Focus AF, Servo AF
AF Operation (Movie):	Movie Servo AF
AF System/Points:	Approx. 100% vertical and horizontal coverage
AF Modes:	Still photo shooting: Max. 3431 selectable positions Movie shooting: Max. 3139 selectable positions
AF Point Selection:	Still photo shooting: One-Shot AF, AI Focus AF, Servo AF



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Movie shooting: Movie Servo AF

AF Assist Beam: Provided

Manual Focus: Provided, switch in menu

Focus Bracketing: Provided

Closest Focusing Distance: 0.05m

EXPOSURE CONTROL

Metering Modes: Evaluative metering, spot metering, center-weighted average

AE Lock: Automatic / Manual

Exposure Compensation: +/- 3 stops in 1/3 stop increments

AEB: +/- 2 stops in 1/3 increments

ISO Sensitivity: Auto: 100-32000, Manual: 100-H (51200)

SHUTTER

Speed: 1/2000 (mechanical)

1/16000 (electronic)

WHITE BALANCE

Type: Auto, 6 presets, custom

Settings: Auto, Daylight, Shade, Cloudy, Tungsten, White fluorescent, Flash, Custom, Color temperature

LCD MONITOR

Type: Approx. 3 inch (7.5cm), 1.04M dot vari-angle

Coverage: Approx. 100% vertically and horizontally

Brightness Adjustment: 5 levels

Touch-Screen Operations: AF point selection, touch shutter, menu setting, quick control, UI magnification

Display Options: Vari-angle

FLASH

Modes: E-TTL II, Manual, MULTI, Auto external metering, Manual external metering

X-Sync: 1/250

Flash Exposure Compensation: +/- 3 stops in 1/3 stop increments

Second Curtain Synchronisation: Provided



Hot Shoe/PC Terminal: 21-pin multi-function shoe

SHOOTING

Modes: Still image recording: Scene Intelligent Auto, SCENE, Creative Filters, Program AE, Shutter Priority, Aperture Priority, Manual

Movie recording: Scene Intelligent Auto, Program AE, Shutter Priority, Aperture Priority, Manual

Picture Styles: Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def. 1/2/3

Drive Modes: Single Shooting, High-speed continuous shooting +, High-speed continuous shooting, Low-speed continuous shooting, Self-timer 2 sec./10 sec./continuous

Continuous Shooting: 15 fps (mechanical shutter) / 30 fps (electronic shutter)

FILE TYPES

Still Image Type: JPEG / HEIF / RAW / C-RAW / Dual Pixel RAW

Movie Type: MP4

RAW+JPEG/HEIF Simultaneous Recording: Provided

RECORDING PIXELS / COMPRESSION

Image Size: 3:2: L approx. 22.1mp (5760x3840), M approx. 9.8mp (3840x2560), S1 approx. 5.5mp (2880x1920), S2 approx. 3.8mp (2400x1600), RAW approx. 22.1mp (5760x3840) 1.4x crop: L approx. 10.8mp (4032x2688), S2 approx. 3.8mp (2400x1600), RAW approx. 10.8mp (4032x2688) 1:1: L approx. 14.7mp (3840x3840), M approx. 6.6mp (2560x2560), S1 approx. 3.7mp (1920x1920), S2 approx. 2.6mp (1600x1600), RAW approx. 22.1mp (5760x3840) 4:3: L approx. 19.7mp (5120x3840), M approx. 8.7mp (3408x2560), S1 approx. 4.9mp (2560x1920), S2 approx. 3.4mp (2112x1600), RAW approx. 22.1mp (5760x3840) 16:9: L approx. 18.7mp (5760x3240), M approx. 8.3mp (3840x2160), S1 approx. 4.7mp (2880x1616), S2 approx. 3.2mp (2400x1344), RAW approx. 22.1mp (5760x3840)

Movie Size: 4K UHD: 3840x2160, Full HD: 1920 x 1080

Movie Length: Standard frame rates: Up to 6 hr. High frame rates: Up to 1 hr. 30 min.

Bitrate/Mbps: 4K (cropped), 59.94/50.00, IPB (Standard): 230 Mbps, 4K (cropped), 59.94/50.00, IPB (Light): 120 Mbps, 4K, 29.97/23.98/25.00, IPB (Standard): 120 Mbps, 4K, 29.97/23.98/25.00, IPB (Light): 60 Mbps, Full HD, 119.88/100.00, IPB (Standard): 120 Mbps, Full HD, 119.88/100.00, IPB (Light): 70 Mbps, Full HD, 59.94/50.00, IPB (Standard): 60 Mbps, Full HD, 59.94/50.00, IPB (Light): 35 Mbps, Full HD, 29.97/23.98/25.00, IPB (Standard): 30 Mbps, Full HD, 29.97/23.98/25.00, IPB (Light): 12 Mbps, 4K timelapse, 29.97/25.00, ALL-I: 470 Mbps, Full HD timelapse, 29.97/25.00, ALL-I: 90 Mbps

Microphone: Stereo microphone, 48 kHz, 16 bits, 2 channels

Speaker: Built-in monaural speaker

HDMI Display: Auto (up to 4K), 1080p

HDMI Output: Type D Micro

OTHER FEATURES

GPS: Available via Camera Connect



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Red-Eye Correction:	Not supported
My Camera / My Menu:	My Menu supported
Intelligent Orientation Sensor:	Yes
Histogram:	Brightness / RGB
Self Timer:	Approx. 2, 10 s
Menu Languages:	31. 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, Farsi, Hebrew, Japanese
Voice Control:	Not supported

CONNECTIVITY

Wired Connectivity:	Not supported
Wireless Connectivity:	Wireless LAN (IEEE802.11b/g/n) (2.4 GHz), with
Bluetooth:	4.2 support Features supported - Smartphone, Upload to image.canon, Live Streaming
Apps:	Canon Camera Connect app (iOS/Android)

DIRECT PRINT

PictBridge:	Not supported
Canon Printers:	Supported

STORAGE

Type:	1x UHS-II SD card slot
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SUPPORTED OPERATING SYSTEM

PC:	Supported
Macintosh:	Supported

SOFTWARE

Image Processing:	Digital Photo Professional
Other:	Canon Camera Connect app (iOS/Android) image.canon app (iOS/Android)

POWER SOURCE

Batteries:	1x LP-E17
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

Power Supply & Battery Chargers: PD-E1 / PD-E2 USB power adapters (Also supports Type-C PD compatible chargers)

BATTERY LIFE

Viewing Time

Number of Possible Shots: 400

Movie Shooting Time: 1 hour 10 minutes

ACCESSORIES

Soft Case / Waterproof Case

Lenses: Not compatible

Power Supply & Battery Chargers (Optional): PD-E1 / PD-E2 USB power adapters (Also supports Type-C PD compatible chargers)

Flash: 21-pin foot speedlites, 5 pin speedlites compatible when using AD-E1 Multi-Function Shoe 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): 118.3 x 68.0 x 52.5

Weight: 426