

IMAGE SENSOR		RAW+JPEG/HEIF Simultaneous Recording	Provided
Type	CMOS		
Effective Sensor Size	1.4 inch		
Effective Pixels	Approx. 22.3 megapixels	RECORDING PIXELS / COMPRESSION	
Total Pixels	Approx. 23.9 megapixels	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)
Colour Filter Type	RGB primary colour filters		1.4x crop: L approx. 10.8mp (4032x2688), S2 approx. 3.8mp (2400x1600), RAW approx. 10.8mp (4032x2688)
IMAGE PROCESSOR			1:1: L approx. 14.7mp (3840x3840), M approx. 3.7mp (1920x1920), S2 approx. 2.6mp (1600x1600), RAW approx. 22.1mp (5760x3840)
Type	DIGIC X		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)
LENS		Movie Size	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)
Focal Length	8.2-25.6mm		4K UHD: 3840x2160
Zoom	3.1x optical zoom	Movie Length	Full HD: 1920 x 1080
Maximum Aperture	f/2.8		Standard frame rates: Up to 6 hr.
Angle of View (Horzntl, Vertl, Diagnl)	Still photo shooting: 107-46.8° Movie shooting (4K, 16:9): 104.4-44.9°	Bitrate/Mbps	High frame rates: Up to 1 hr. 30 min. ³
Construction	9 elements in 8 groups		4K (cropped), 59.94/50.00, IPB (Standard): 230 Mbps
Image Stabilisation	Optical IS Provided		4K (cropped), 59.94/50.00, IPB (Light): 120 Mbps
FOCUSING			4K, 29.97/23.98/25.00, IPB (Standard): 120 Mbps
Type	Dual Pixel CMOS AF		4K, 29.97/23.98/25.00, IPB (Light): 60 Mbps
AF Operation (Stills)	One-Shot AF, AI Focus AF, Servo AF		Full HD, 119.88/100.00, IPB (Standard): 120 Mbps
AF Operation (Movie)	Movie Servo AF		Full HD, 119.88/100.00, IPB (Light): 70 Mbps
AF System/Points	Approx. 100% vertical and horizontal coverage		Full HD, 59.94/50.00, IPB (Standard): 60 Mbps
AF Modes	Still photo shooting: Max. 3431 selectable positions Movie shooting: Max. 3139 selectable positions		Full HD, 59.94/50.00, IPB (Light): 35 Mbps
AF Point Selection	Still photo shooting: One-Shot AF, AI Focus AF, Servo AF Movie shooting: Movie Servo AF		Full HD, 29.97/23.98/25.00, IPB (Standard): 30 Mbps
AF Assist Beam	Provided		Full HD, 29.97/23.98/25.00, IPB (Light): 12 Mbps
Manual Focus	Provided, switch in menu		4K timelapse, 29.97/25.00, ALL-I: 470 Mbps
Focus Bracketing	Provided		Full HD timelapse, 29.97/25.00, ALL-I: 90 Mbps ⁴
Closest Focusing Distance	0.05m ²	Microphone	Stereo microphone, 48 kHz, 16 bits, 2 channels
EXPOSURE CONTROL		Speaker	Built-in monaural speaker
Metering Modes	Evaluative metering, spot metering, center-weighted average	HDMI Display	Auto (up to 4K), 1080p
AE Lock	Automatic / Manual	HDMI Output	Type D Micro
Exposure Compensation	+/- 3 stops in 1/3 stop increments		
AEB	+/- 2 stops in 1/3 increments	OTHER FEATURES	
ISO Sensitivity	Auto: 100-32000, Manual: 100-H (51200)	GPS	Available via Camera Connect
SHUTTER		Red-Eye Correction	Not supported
Speed	1/2000 (mechanical) 1/16000 (electronic)	My Camera / My Menu	My Menu supported
WHITE BALANCE		Intelligent Orientation Sensor	Yes
Type	Auto, 6 presets, custom	Histogram	Brightness / RGB
Settings	Auto, Daylight, Shade, Cloudy, Tungsten, White fluorescent, Flash, Custom, Color temperature	Self Timer	Approx. 2, 10 s
LCD MONITOR		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
Type	Approx. 3 inch (7.5cm), 1.04M dot vari-angle	Voice Control	Not supported
Coverage	Approx. 100% vertically and horizontally	CONNECTIVITY	
Brightness Adjustment	5 levels	Wired Connectivity	Not supported
Touch-Screen Operations	AF point selection, touch shutter, menu setting, quick control, UI magnification	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 ⁵ Canon Camera Connect app (iOS/Android)
Display Options	Vari-angle	Apps	
FLASH		DIRECT PRINT	
Modes	E-TTL II, Manual, MULTI, Auto external metering, Manual external metering	PictBridge	Not supported
X-Sync	1/250	Canon Printers	Supported
Flash Exposure Compensation	+/- 3 stops in 1/3 stop increments		
Second Curtain Synchronisation	Provided	STORAGE	
Hot Shoe/PC Terminal	21-pin multi-function shoe	Type	1x UHS-II SD card slot ⁶
SHOOTING		SUPPORTED OPERATING SYSTEM	
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	PC	Supported
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def. 1/2/3	Macintosh	Supported
Drive Modes	Single Shooting, High-speed continuous shooting +, High-speed continuous shooting, Low-speed continuous shooting, Self-timer 2 sec./10 sec./continuous	SOFTWARE	
Continuous Shooting	15 fps (mechanical shutter) / 30 fps (electronic shutter)	Image Processing	Digital Photo Professional
FILE TYPES		Other	Canon Camera Connect app (iOS/Android) image.canon app (iOS/Android)
Still Image Type	JPEG / HEIF / RAW / C-RAW / Dual Pixel RAW	POWER SOURCE	
Movie Type	MP4	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 ⁷

TECHNICAL SPECIFICATIONS

PowerShot V1

Power Supply & Battery Chargers	PD-E1 / PD-E2 USB power adapters (Also supports Type-C PD compatible chargers) ⁸
BATTERY LIFE	
Viewing Time	
Number of Possible Shots	400 ⁹
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 ¹⁰

Footnotes:

- [1] Specified frame AF is only available in Movie Recording mode.
- [2] When lens is at widest position
- [3] Other factors such as internal temperature, power supply and available memory may limit this recording time.
- [4] - Bit rate only applies to video output, not audio or metadata.
- 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.
- [5] Please be aware that live streaming platform 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 Such using mobile data may involve third-party fees. Stream quality depends on your upload speed, mobile data service, availability, coverage.
- [6] It is recommended to use a fast memory card for 4K video recording
- [7] Tested by CIPA standards, with a fully charged new battery at +23°C
- [8] Power saving functions disabled while connected via USB.
- [9] USB Type-A charging is not guaranteed.
- [10] CIPA standard measurement including battery and memory card. Excluding shoe cover and windscreens.

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