

# PowerShot V1

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## TECHNICAL SPECIFICATIONS



**Canon**

# PowerShot V1



## Compact all-in-one

### NEW 1.4" CMOS SENSOR

A new 22.3 MP 1.4" CMOS sensor delivers accelerated capture speeds and better image quality with less noise compared to the standard 1" sensors found in our current range of DSC cameras.



### 16-50MM WIDE ANGLE FIXED LENS

With a versatile wide-angle lens, users can now fit more in their frame. The lens comes with a built-in ND filter that allows users to turn on and off, assisting in sunny and bright conditions. When camera is powered off – the lens collapses making the camera more compact to take with you on the go.



### BUILT IN COOLING FAN

Shoot at up to 4K 60p for over 2 hours with the cooling fan turned on and your camera auto power off settings set to high. Perfect for those wanting to shoot longer form content without sacrificing the quality of their videos.



\*Tested in ambient temperature of 30°C

### CANON LOG 3

Canon Log 3 offers users better dynamic range for highlight and shadow retention meaning more flexibility in post-production colour grading.



### ADVANCED AUTOFOCUS

Track moving subjects with precision and ease like never before. Dual CMOS AF II detects both humans and pets at speed to ensure they are always in focus.



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Type	Type	Video camera		
	Image processor	DIGIC X		
Lens/barrel	Focal length (35 mm equivalent: approx.)	Movie recording (4K, 16:9)	17–52 mm	
		Still photo shooting (without cropping)	16–50 mm	
	Maximum aperture	f/2.8–4.5		
	Minimum aperture	f/11		
	ND filter	Yes		
Image sensor	Type/screen size	1.4 type CMOS sensor		
	Effective pixels (max. approx. megapixels)	Movie recording	1870	
		Still photo shooting	2230	
Recording media	Compatible cards	SDXC/SDHC/SD memory cards		
	Compatible with UHS-I/UHS-II	Yes / Yes		
Still photo recording	Image quality	JPEG/HEIF		
		RAW/C-RAW/Dual Pixel RAW		
	Maximum burst (approx.)	Mechanical shutter	JPEG	160 (Large/Fine)
			RAW	24
		Electronic shutter	JPEG	69 (Large/Fine)
			RAW	19
	Still photo cropping	1.4×		
Digital tele-converter	–			
Movie recording	Movie recording	MP4		
	Recording format	HEVC	YCC422 10 bits	
		AVC	YCC420 8 bits	
	Movie recording size	Resolution	4K / 4K (cropped) / Full HD	
		Frame rate (fps)	119.88 / 100.00 / 59.94 / 50.00 / 29.97 / 25.00 / 23.98	
		Oversampling	4K	5.7K oversampling*2
	Full HD		2.8K oversampling*3	
	High Frame Rate movies	Yes		
	Canon Log 3	Yes		
	Time-lapse movies	Yes		
	Smooth skin movies	Yes		
	Audio format	PCM / 2 ch, AAC / 2 ch		
	Built-in microphone	Stereo		
		3-microphone audio noise reduction	Yes	
	Tally lamp/Recording emphasis	Yes / Yes		
Cooling fan	Yes			
Movie digital zoom	1.0–10×			
Time code	Yes			
Image creation and image processing	Picture Style	Yes		
	Color filters	Yes		
	Auto Lighting Optimizer	Yes		
	Highlight tone priority	Yes		
	Long exposure noise reduction	Yes		
High ISO speed noise reduction	Yes			

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AF	Focusing method		Dual Pixel CMOS AF
	Focusing brightness range (center AF point, One-Shot AF, at room temperature, ISO 100)	Still photos	WIDE: EV -4.0 to 20, TELE: EV -2.0 to 20
		4K/Full HD 30p	WIDE: EV -2.0 to 20, TELE: EV 0 to 20
	AF operation	One-Shot AF	Yes
		AI Focus AF	Yes
		Servo AF/Movie Servo AF	Yes / Yes
	AF area (AF method)	Spot AF/1-point AF	Yes
		Flexible Zone AF1/AF2/AF3	Yes
		Whole area AF	Yes
	Subject to detect	Auto/People/Animals	Yes / Yes / Yes
Eye detection		Yes	
Screen	Screen size		3.0 inch
	Dot count (approx.)		1.04 million dots
	Screen brightness		5 levels
HDMI output	Movable screen		Vari-angle
	HDMI resolution		Auto / 1080p
Shooting modes	Basic Zone		A+ / SCN / Creative filters
	Creative Zone		P / Tv / Av / M / C1 / C2 / C3
	Still photo shooting/movie recording switch		Yes
Exposure control	ISO speed (still photos)	Normal ISO speed	100 to 32000
		Expanded ISO speed (max. ISO equivalent)	H: 51200
	ISO speed (movies)	Normal ISO speed	100 to 12800*4
		Expanded ISO speed (max. ISO equivalent)	H: 16000 / 20000 / 25600*4
Shutter	Mode	Mechanical shutter (lens shutter)	Yes
		Electronic shutter	Yes
HDR shooting	Flash sync speed (sec.)		1/250
	HDR shooting (PQ)		Still photos/movies
	HDR movies		–
Focus bracketing			Yes
	Depth composite		Yes
RAW burst mode			–
Image stabilization	Lens optical IS		Yes
	Movie digital IS		Yes
	Subject tracking IS		Yes
Drive	Continuous shooting speed (max. approx. shots/sec.)	Mechanical shutter	High-speed continuous shooting +: 15
		Electronic shutter	High-speed continuous shooting +: 30
Built-in flash			–
External flash	Accessory shoe		Multi-function shoe
Direct printing			Yes / –
	Digital terminal		USB Type-C
External interface	HDMI output terminal		Type D
	External microphone input terminal		Yes
	Headphone terminal		Yes
Power source	Battery		LP-E17
	USB power source support	Charging/powering the camera	Yes / Yes
	Auto power off temperature/Standby: Low resolution		Yes / Yes
	Number of available shots		340
	Number of available shots (with power saving, at 23°C)		400
Dimensions and weight	Video		85 min (FHD 60p), 70 min (4K 30p), 65 min (4K 60p)
	Dimensions (approx. width × height × depth)*6		118.3×68.0×52.5 mm / 4.66×2.68×2.07 in.
	Weight (approx. including battery and card)		426 g / 15.03 oz.
Communication functions	Wi-Fi (wireless LAN)		Equivalent to IEEE 802.11b/g/n
	Bluetooth		Bluetooth Specification Version 4.2
	USB		Equivalent to Hi-Speed USB (USB 2.0)
	Streaming services		Yes
	Video calls/streaming (UVC/UAC)		Yes

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