

Specifications

Image Sensing Device		
Sensor	CMOS Sensor (single-panel) equivalent to Super 35mm	
Total Pixels	Approx. 9.84 megapixels (4206 x 2340)	
Number of Effective Pixels	Approx. 8.85 megapixels (4096 x 2160): When 4096 x 2160 or 2048 x 1080 is selected as the resolution Approx. 8.29 megapixels (3840 x 2160): When 3840 x 2160 or 1920 x 1080 is selected as the resolution	
Filter	RGB primary color filter (Bayer array)	
Lens Mount		
Lens Mount	Canon EF mount	
Exposure		
Exposure Mode	(1) Manual exposure based on shutter setting, iris setting, ISO/gain setting, and ND filter setting (2) Push auto iris control, auto iris control (light metering system selection/AE shift possible)	
Shutter Setting	Speed, Angle, Clear Scan, Slow, or Off mode selected Either 1/3 or 1/4 steps selected as speed increment	
Iris Setting	(1) Manual setting in 1/2-step increments, 1/3-step increments or fine possible (2) Push auto IRIS control* (3) Auto IRIS control* *Lenses that support Auto Iris:	
	<table border="0"> <tr> <td style="vertical-align: top;"> EF lenses EF-S 10-18mm f/4.5-5.6 IS STM EF-S 18-55mm f/3.5-5.6 IS STM EF-S 18-135mm f/3.5-5.6 IS STM EF-S 55-250mm f/4-5.6 IS STM EF-S 18-135mm f/3.5-5.6 IS USM EF 24-105mm f/3.5-5.6 IS STM </td> <td style="vertical-align: top; padding-left: 20px;"> Cinema lenses CN 7x17 KAS S/E1 CN 20x50 IAS H/E1 CN-E 18-80mm T4.4 L IS KAS S CN-E 70-200mm T4.4 L IS KAS S </td> </tr> </table>	EF lenses EF-S 10-18mm f/4.5-5.6 IS STM EF-S 18-55mm f/3.5-5.6 IS STM EF-S 18-135mm f/3.5-5.6 IS STM EF-S 55-250mm f/4-5.6 IS STM EF-S 18-135mm f/3.5-5.6 IS USM EF 24-105mm f/3.5-5.6 IS STM
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ISO Speed Setting	1 step, 1/3 step settings [100* - 160 - 25600 - 102400*] *When the sensitivity is expanded	
Gain Setting	Normal [-6dB* - -2dB - 42dB - 54dB*] Fine: Setting in 0.5 dB step increments possible *When the sensitivity is expanded	
ND Filter	5 density settings (2, 4, 6, 8*, 10* stops) *When expansion is selected Motorized drive	
Focus Control		
Focus Control	Dual Pixel CMOS AF supported, Manual Focus, One-Shot AF, Continuous AF, AF-Boosted MF, Face Detection AF (only lenses that support AF functions can be used in any of these modes), Focus Guide	

Viewfinder		
Viewfinder	0.46" (1.18 cm on the diagonal), color wide-screen organic EL display Approx. 1,770,000 dots (854 x RGB x 480), 100% field of view ratio	
White Balance		
White Balance	AWB, Kelvin setting (setting range: 2000K to 15000K/-20CC to +20CC), Daylight, Tungsten, Set A, Set B)	
Frame Rate		
Frame Rate	(1) 59.94 Hz mode (59.94P/29.97P/23.98P) (2) 50.00 Hz mode (50.00P/25.00P) (3) 24.00 Hz mode (24.00P)	
Dynamic Range		
Dynamic Range	Canon Log 3: 1600% (ISO 800 or above) Canon Log/Wide DR: 800% (ISO 400 or above)	
Video Formats		
RAW	Video	Codec: Cinema RAW Light Resolution: 4096 x 2160 Bit Depth: 10 bit (59.94P/50.00P), 12 bit (29.97P/23.98P/25.00P/24.00P) Bit Rate: 1 Gbps
	Audio	Linear PCM: 16 bit / 48 kHz / 4 channels
MP4	Video	Codec: MPEG-4 AVC/H.264 Resolution: 3840 x 2160 / 1920 x 1080 Bit Rate: 150 Mbps (3840 x 2160), 35 Mbps (1920 x 1080) Color Sampling: YCC420 8 bit
	Audio	MPEG-4 AAC-LC (16 bit / 48 kHz / 2 channels) Linear PCM (16 bit / 48 kHz / 4 channels)
MP4 (Proxy)	Video	Resolution: 2048 x 1080 Bit Rate: 35 Mbps Color Sampling: YCC420 8 bit
	Audio	MPEG-4 AAC-LC (16 bit / 48 kHz / 2 channels) Linear PCM (16 bit / 48 kHz / 4 channels)
Recording Media		
Recording Media	(1) CFast™ card (1 slot): RAW movies <i>Only CFast™ 2.0 with VPG-130 is supported</i> (2) SD card (2 slots): Recording of MP4 movies, photos (JPEG), custom pictures, menus and other data possible	
Time Code	Drop frame* or non-drop frame Rec run, free run, regeneration <i>*In 59.94P/29.97P mode only</i>	
Rec Mode (MP4 Recording)	Slow motion recording, pre-recording, frame recording, interval recording	
Other Recording Functions (MP4 Recording)	Relay recording, double slot recording	
Others	Custom picture setting, black balance adjustments, color bars, peaking display, zebra display, My Menu setting, fan, waveform monitor display, assignable buttons (1-17), key lock, marker display, enlarged display, custom display, peripheral illumination correction, GPS support (GP-E2), monaural microphone, and other functions	

Playback		
Playback	Playback Operations	Normal playback, fast forward (at speeds of ×5, ×15, ×60), fast reverse (at speeds of ×5, ×15, ×60), frame forward, frame reverse, rec review
	Clip Display	3x4 (clip) index screen (RAW/MP4/Photo)
Terminals		
Terminals	Input only	REMOTE terminal, MIC jack, INPUT terminals (2 sets)
	Output only	SDI terminal, HDMI OUT terminal, headphones jack, USB terminal, VIDEO terminal
	Input/Output Control	Ethernet terminal
Power Supply		
Power Supply	14.4 V DC (battery pack), 16.7 V DC (DC-IN)	
Image Processing Platform		
Image Processing Platform	Dual DIGIC DV 6	
Related Accessories		
Related Accessories	Battery Pack (BP-A30/BP-A60) Battery Charger (CG-A10/CG-A20) LCD Monitor (LM-V1) LCD Attachment Unit (LA-V1) Clamp Base (CL-V2) Camera Grip (GR-V1) Handle Unit (HDU-2) OLED Electronic View Finder (EVF-V70) Shoulder Support Unit (SU-15) 8-pin Remote Cable (RR-10/RR-100) Rod Clamp (RD-1) AC Adapter (CA-A10) Compact Power Adapter (CA-CP200B) Unit Cable (UN-5/UN-10) Remote Controller (RC-V100) GPS Receiver (GP-E2) Shoulder Strap (SS-1200) Tripod Adapter (TA-100) Tripod Base (TB-1) EF lens groups, EF cinema lens groups Accessories designed for the EF lens group and EF cinema lens group	
Dimensions (width x height x depth) (excluding cable, belt, etc.)		
Body	Approx. 5.7 x 6.0 x 7.0 in. (144 x 153 x 179mm) Approx. 7.0 x 6.0 x 8.0 in. (178 x 153 x 204mm) [With camera grip attached]	
	Approx. 13.2 x 10.8 x 10.8 in. (335 x 275 x 275mm) [With camera grip + LCD Monitor LM-V1 + LCD Attachment Unit LA-V1 + Handle Unit HDU-2 + mic holder unit attached]	
Weight	Approx. 3.2 lb. (1430g)	