

**CAMERA**

<b>Image Sensor</b>		
	Sensor System	Super35mm type CMOS
	Total pixels per sensor	RGB primary colour filter (Bayer array) 9.84 megapixels
	Effective pixels per sensor	8.29 megapixels
	Minimum illumination	NTSC Mode 0.3 Lux [F1.2 lens, 24 dB, 29.97P mode, shutter speed 1/30]
		PAL Mode 0.25 Lux [F1.2 lens, 24 dB, 25.00P mode, shutter speed 1/25]
	Sensitivity	NTSC: F9 [1920x1080/59.94i, ISO640 (0dB), 2000 Lux, 89.9% reflection] PAL: F10 [1920x1080/50.00i, ISO640 (0dB), 2000 Lux, 89.9% reflection]
	S/N Ratio	NTSC: 54dB (Typical) [1920x1080/29.97P, Canon Log base sensitivity ISO850 (Dynamic range 800%)] PAL: 54dB (Typical) [1920x1080/25.00P, Canon Log base sensitivity ISO850 (Dynamic range 800%)]
	Dynamic Range	During normal shooting: 300% With Canon Log gamma: 800% (ISO 850 or above/gain 2.5 dB or more)
	Horizontal Resolution	Up to 1000 TV lines or more (1920 x 1080i mode), depends on lens used.
<b>Lens</b>		
	Lens Mount	PL mount
	Focal length	As indicated for Canon Cinema Lenses and other PL mount lenses
	Peripheral illumination correction	NO
	ND filter	3 glass filters in camera body: 2 stops; 4 stops; 6 stops. Operate via body or wireless control.
	Focus control	Manual via lens
	Iris control	Manual via lens
	Image stabilization system	NO
<b>Image Processor</b>		
	Type	DIGIC DV III
<b>Recording</b>		
	Video storage media	Type 1 Compact Flash memory cards (2 card slots)
	Type	UDMA4, 30MB/s or faster (40MB/s or faster for Fast/Slow recording)
	Recording time	64GB CF card: Up to 160mins (1080/50i @ 50 Mbps)
	Recording file format	Material eXchange Format (MXF); OP-1a pattern
	Recording format	MPEG-2 Long GOP 50Mbps CBR (4:2:2) MPEG-2 422@PHL; 35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14
	Recording frame rate	50Mbps: 1920 x 1080/59.94i, 50i, 29.97p, 25p, 24.00p, 23.98p; 1280 x 720/59.94p, 50p, 29.97p, 25p, 24.00p, 23.98p. 35Mbps: 1920 x 1080/59.94i, 50i, 29.97p, 25p, 23.98p; 1280 x 720/59.94p, 50p, 29.97p, 25p, 23.98p. 25Mbps: 1440 x 1080/59.94i, 50i, 29.97p, 25p, 23.98p.
	Slow/Fast motion	YES 720p: 1-60fps in 1fps steps 1080p: 1-30fps in 1fps steps (available options may differ according to recording mode selected)
	Interval Record	YES. 1, 2, 3, 6, 9 or 12 frames, 25 time intervals (available options may differ according to recording mode selected)
	Frame Record	YES. 1, 2, 3, 6, 9 or 12 frames (available options may differ according to recording mode selected)
	Pre Record (cache record)	YES (3 seconds)
	Relay Recording	YES
	Double Slot (simultaneous) Recording	YES
	Scan Reverse	YES. Up/down, left/right, up/down/left/right image inversion.
	HD->SD conversion	NO
	Internal Data Transfer	MOVIE: Yes (CF card to CF card)
	Photo storage media	SD/SDHC memory card
	Still quality	During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720
<b>LCD</b>		
	Size	10.1 cm (4"), 100% view
	Dots	1.23 million
	Image quality adjustments	Brightness, contrast, colour, sharpness, backlight, black & white
	Adjustable	Up/down/left/right according to camera configuration
	Waveform Monitor	Waveform Monitor and Vectorscope
	Focus Assist	Peaking; Magnifying; Edge Monitor (using waveform display)
	Peaking	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each)
	Zebra	Level 1; Level 2; Both
		Output via HD-SDI or HDMI
	Markers	On/Off (Aspect ratio, Aspect marker, Safety Zone Area, Safety Zone, Grid, Horizontal, Centre)

<b>EVF</b>		
	Size Dots Image quality adjustments Adjustable Correction lens	1.3cm (0.52") 1.55 million Brightness, contrast, colour, sharpness, backlight, black & white Vertical tilt + 2.0 to -5.5 diopters
<b>Inputs/Outputs</b>		
	Audio in Headphone output Video monitor output HDMI IEEE 1394 (Firewire) USB HD/SD-SDI output Time code Genlock Synch Component out AV terminal DC input Remote Control Terminal Wireless Control Terminal Colour Bars	XLR inputs with 48V phantom power (x2), 3.5mm microphone input jack 3.5mm stereo jack YES (BNC, SD output only via Synch terminal) YES (Type A, output only) NO NO YES (BNC, output only, embedded audio and time code) YES (BNC, switchable input/output) YES (BNC, input only) YES (BNC, output only, 5 modes: HD Sync, HD-Y, SD blackburst, SD composite, Off) NO NO YES 2.5mm mini jack YES (optional accessory required for wireless control) EBU, SMPTE, ARIB
<b>Misc.</b>		
	Tally lamp Accessory shoe Custom key	YES YES (cold shoe, 3 locations: top of body, top of handle, front of handle) YES (15 assignable buttons; select from 30 functions)
<b>Shooting functions</b>		
<b>Exposure</b>		
	Exposure metering Exposure compensation Auto Exposure mode Push Auto Iris Exposure Lock Auto Gain Control setting ISO Sensitivity Gain setting	Manual exposure determined by shutter setting, iris setting, ISO/gain setting and ND filter setting NO NO NO NO NO 1-stop display: 320 <sup>1</sup> , 400, 800, [850] <sup>2</sup> , 1600, 3200, 6400, 12800, 20000 1/3rd stop display: 320, 400, 500, 640, 800, [850] <sup>2</sup> , 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000 <sup>1</sup> NORMAL: -6dB, -3dB, 0dB, 3dB, 6dB, 9dB, 12dB, 15dB, 18dB, 21dB, 24dB, 30dB; FINE: 0 dB to 24 dB (0.5 dB increments).
<b>Shutter speed</b>		
	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan	Off; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS) 1/3 to 1/2000 depending on frame rate and Shutter Control Mode 11.25° to 360° depending on frame rate 1/3, 1/4, 1/6, 1/8, 1/12, 1/15, 1/25, 1/30 depending on frame rate 59.94i/p: 59.94 - 250.27Hz; 50i/p: 50 to 250.78Hz; 29.97p: 29.97 - 250.27Hz; 25p: 25 to 250.78Hz; 23.98/24p: 23.98 - 250.27Hz
<b>Custom Picture</b>		
	Stored Configurations Storage Medium Gamma Canon Log Gamma Master Pedestal Master Black Black Gamma Low Key Saturation Knee Sharpness Noise reduction Skin detail Selective Noise Reduction Colour matrix White balance Colour correction Setup level Clip 100% IRE	9, including 2 presets (CINEMA and EOS Std) SD/SDHC memory card (all customisation data and metadata), up to 20 Custom Pictures per card 8 profiles YES -50 to +50 -50 to +50 for each of R,G,B Adjustable Level, Range and Point -50 to +50 adjusts colour saturation in low brightness area Adjusts over exposure characteristic, start, slope, saturation Adjustment for Level, H Detail Freq., Coring, HV Detail Balance, Limit, Select, Knee Aperture and Level dependent sharpness Off, On (1 to 12) Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level Phase, Gain and RGB adjustment, in tandem with Gamma selection -50 to +50 white balance offset for R,G,B Area selection / area revision of two areas -50 to +50 On/Off Limits output to 100% after setup adjustment
<b>White balance</b>		
	Auto Preset White Balance Shift	NO Daylight (5400K), Tungsten (3200K), Kelvin (2000K-15000K, 100K intervals), Set A, Set B YES. -9 to +9 (Daylight and Tungsten only)
<b>Black balance</b>		
	Black balance adjustment	YES
<b>Time code</b>		
	Countup system Start value setting	Regen, RecRun, FreeRun, External, Hold (Drop frame available for some frame rates) "00:00:00:00", Set/Reset selectable

<b>Audio</b>		
	Recording Control Microphone attenuation Microphone level meter	16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES
<b>Accessories</b>		
	Supplied	XF Utility and NLE Plug-ins, Monitor Unit (LCD and XLR), Handle Unit, Thumbrest, Tripod base adaptor plate, Shoulder strap, Eyecup, EVF cap, Battery Charger CG-940, Compact power adapter CA-940, DC cable DC-940, Battery pack BP-955.
	Optional	Batteries BP-955, BP-975, Compact Power Adaptor CA-930 (battery charger only), Tripod Adapter TA-100, Wireless Controller WFT-E6.
<b>Battery</b>		
	Power Consumption	10.2W <sup>3</sup> (NTSC mode) 9.9W <sup>3</sup> (PAL mode)
	Continuous Recording Time	Supplied BP-955: Approx. 210 minutes <sup>3</sup> Optional BP-975: Approx. 315 minutes <sup>3</sup>
<b>Miscellaneous</b>		
	Dimensions	Approx. 133 x 179 x 177mm (thumbrest attached); Approx. 174 x 179 x 177mm (grip attached); Approx. 185 x 284 x 301mm (grip, monitor unit and handle attached)
	Detachable handle	YES
	Weight (camera only)	1630g
	Weight (fully equipped)	Approx. 2900g (grip, monitor unit, handle, BP-955, 2x CF card)
	Operating Temperature range	-5°C to +45°C, 60% relative humidity

All specifications are subject to change without notice

<sup>1</sup> 320 and 20000 are not 1-stop increments but represent highest and lowest supported ISO values

<sup>2</sup> [850] = Lowest ISO sensitivity achieving 800% dynamic range with Canon Log function.

<sup>3</sup> 50Mbps CBR mode, HD-SDI off, using EVF.