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Built-in 2x Digital Teleconverter (cannot be used with Digital Zoom) Image Processor Type DEGIC DV 4 Recording Video storage media SDXC/SDHC/SD memory card (2 card slots); Dual Format recording, Double slot (simultaneous) recording and Relay (continuous) recording possible. ¹ Type Class 6 (or higher) cards recommended for 1080/S0P recording; Class 4 (or higher) cards recommended for other Full HD recording Recording time 128GB SDXC card: 10hrs 10mins (AVCHD max. quality) ¹ 8hrs 50mins (MP4 max. quality) ¹ 10hrs 10mins (AVCHD max. quality) ¹ 9hr 55 Snins (MP4 max. quality) ¹ 10hrs 10mins (AVCHD max. quality) ¹ Recording file format AVCHD (call modes variable bit rate, 4:2:0 colour sampling): 1920x1080: 500 (7281Mps, 17Mbps); 1420x1080: 500 (738Mps, 17Mbps); 1420x1080: 500 (738Mps); 1920x1080: 500 (738Mps); 1920x1080: 529 (24Mbps, 17Mbps); 1200x1080: 529 (24Mbps); 1920x1080: 529 (24Mbps);		
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Internal Data Transfer MOVIE & STILLS: Yes (card to card) Photo storage media SDXC/SDHC/SD memory card Still quality During video recording or playback: 1920 x 1080/1280 x 720/640 x 360 System Monitoring Panel Type Capacitive Organic LED Size 8.8cm (3.5"), 100% view Dots 1.23 million-dot equivalent Image quality adjustments Brightness, backlight, OLED colour balance Adjustable YES (270 degree rotation about horizontal axis) Waveform Monitor NO Focus Assist Peaking; Magnifying Peaking YES		
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Waveform Monitor NO Focus Assist Peaking; Magnifying Peaking YES		
Focus Assist Peaking; Magnifying Peaking YES		
Peaking YES		
Markers ON/OFF (Level, Grid)	Markers	ON/OFF (Level, Grid)

EVF	
Size	0.61cm (0.24"), 100% view
Dots	1.56 million dots equivalent
Adjustable	YES (tiltable to 45 degrees)
Correction lens	+ 2.0 to -5.5 diopter
Inputs/Outputs	
Audio in	XLR inputs with 48V phantom power (x2), 3.5mm microphone input jack
Headphone output	3.5mm stereo jack
Video monitor output	NO
HDMI	YES (HDMI [™] mini connector, output only, 1080/50p output possible)
IEEE 1394 (Firewire)	NO
USB	YES (Mini-B, USB 2.0 Hi-Speed, output only) YES (576i, 720P or 1080i, output only, embedded audio and time code)
HD/SD-SDI output Time code	YES (576), 720P of 10801, output only, embedded audio and time code) YES (Embedded in SDI output; superimposed on HDMI Output signal)
Genlock	NO
Component out	NO
AV terminal	3.5mm mini jack (output only for video and audio)
DC input	YES
Remote Control Terminal	2.5mm mini jack
Colour Bars	YES (SMPTE or EBU), with 1KHz Tone
Misc	
Tally lamp	YES, in detachable handle
Accessory shoe	YES (cold shoe)
Custom key	YES (5 assignable buttons; select from 22 functions)
Custom Dial	YES (Shutter Priority (Tv), Aperture Priority (Av), Manual Exposure, exposure compensation, AGC limit)
Exposure	Shooting functions
Exposure metering	Centre-weighted average or segment evaluative (determined by shooting mode);
	No metering: Fireworks mode, Fixed exposure (1/50 sec.)
Exposure compensation	-3 to +3 EV (12 steps);
· ·	Backlight Correction available (Auto or always on)
Auto Exposure mode	Smart Auto, Face Detection AE;
	Manual control via Touch Exposure and Exposure Compensation functions.
Push Auto Iris	YES (via touchscreen)
Exposure Lock	YES
Auto Gain Control setting	Auto / Manual
Auto Gain Control limit Gain setting	0 to 24dB, 1dB increments (0 to 18dB in Cinema Mode) 0 to 24dB, 1dB increments (0 to 18dB in Cinema Mode)
Shutter speed	to 24dB, TdB increments (0 to 18dB in Chema Mode)
Control Modes	Full Auto / Manual control (touchscreen LCD or control dial)
Shutter speed	1/6 to 1/2000 (depending on Scene Mode and frame rate)
Clear Scan	NO
Infrared	
Infrared shooting mode	YES (green or white)
Built-in IR lamp	YES, in detachable handle
3D Shooting Assist	
OIS Axis Shift	NO
Focal Length Guide	NO
Shooting Modes Smart AUTO	YES
Program AE	AUTO:
- Tograni AL	M mode: P, Tv, Av, M (manual exposure), SCN (Portrait, Sports, Snow, Beach, Sunset, Night, Low
	Light, Spotlight, Fireworks);
	Cinema mode: P, Tv, Av, M
Cinema Features	Cinema-Look Filter (9 options, including customisable 'Cinema Standard')
Image Effects	Brightness, Contrast, Sharpness, Colour Depth
Wi-Fi & GPS Specifications	
Wireless LAN standards	IEEE 802.11b/g/n (2.4GHz band) / IEEE 802.11a/n (5GHz band) ²
Supported Wi-Fi Functions	Remote Operation; Movie Uploader (YouTube and Facebook) ³ ; Playback (in browser); Media Server; FTP File Transfer
Supported Browser for Remote Operation	Internet Explorer 8 or later, Safari (iOS), Safari (MacOS), Android standard browser
Remote Operation Control Features	Aperture, Focus, WB, shutter Speed, Gain, Exposure Compensation, Shooting Mode, Slot select,
Live view image Deselution	Start/Stop Recording
Live view image Resolution Authentication Systems	Camera setting mode: 680 x 383; Simplified setting: 284 x 160 Open/WPA-PSK/WPA2-PSK
Encryption	WEP64, WEP128, TKIP, AES
GPS Information (Optional Accessory)	Latitude/Longtitude/Elevation, Coordinated Universal Time (UTC)
White balance	
Auto	YES
Preset	6: Daylight, Shade, Cloudy, Tungsten (incandescent lamps or halogen bulbs), Fluorescent H (3-
	wavelength type fluorescent), Fluorescent (white fluorescent)
Manual setting	Set 1, Set 2, Colour Temperature (2,000–15,000 K, 100K steps)
Manual setting	Set 1, Set 2, Colour Temperature (2,000-15,000 K, 100K steps)

Audio	
Recording	AVCHD: Linear PCM ⁴ (2ch, 16 bit, 48 kHz) or Dolby Digital (AC-3 2ch, 48kHz)
5	MP4: MPEG-2 AAC LC (2 ch)
Control	Audio controls include:
	Independent 2ch Line/Mic/Mic+48V input;
	Independent level control per channel (-∞ to +18 dB);
	Independent audio limiters (2 ch);
	Input mic trimming
Microphone attenuation	Auto/On/Off (20dB)
Microphone level meter	
Zoom Microphone	YES (customisable frequency response and directivity)
Cumplied	Lens hood with barrier, Mic holder unit, Handle unit (HDU-1), Wireless Controller (WL-D89), Battery
Supplied	Pack BP-820, High Speed HDMI Cable (HTC100/S), Compact Power unit CA-570, AC Cable, Interface
	Cable (IFC-300PCU/S), Stereo Video Cable (STV-250N), Data Import Utility Ver2.0
Optional	Canon Battery Pack BP-820/BP-828
Optional	Canon Compact Power Adapter CA-570,
	Canon Battery Charger CG-800E/CG-800B,
	Canon HDMI cable HTC-100.
	Canon Stereo Video Cable STV-250N.
	Canon Tele Converter TL-H58.
	Canon Wide Attachment WA-H58.
	Canon Wireless Microphone WM-V1,
	Canon Soft Carrying Case SC-2000,
	Canon PROTECT Filter 58 mm, Canon ND4-L Filter 58 mm, Canon ND8-L Filter 58 mm,
	Canon GPS Receiver GP-E2.
	Canon Battery Video Light VL-10Li/VL-10Lill (Model A/B only),
	Canon Battery Pack BP-900 series (for VL-10Li/VL-10LiII),
	Canon Compact Power Adapter CA-910/920/930 (for charging BP-900 series)
	Canon Compact Power Adapter CA-910/920/930 (for charging Br-900 series)
Battery	
Backup power supply	Lithium coin battery (built-in)
Power Consumption	4.9W ⁵ (AVCHD) / 4.8W (MP4) ⁵
Continuous Recording Time	Supplied BP-820: Approx. 145 minutes ⁵
	Optional BP-828: Approx. 220 minutes ⁵
	Miscellaneous
	Approx. 109 x 84 x 182 mm (main body only)
Dimensions	Approx. 131 x 180 x 231 mm (fully equipped)
Detachable handle	YES
Weight (camera only)	Approx. 770 g
Weight (fully equipped)	Approx. 1160 g
Operating Temperature range	-5°C to +45°C, 60% relative humidity

Disclaimers

1. After 12 hours of continuous recording, camcorder will stop recording and re-start automatically. Simultaneous/Dual Format recording

2. 5Ghz not available in Qatar

3. iOS devices only, excludes MP4 1080/50P mode 4. AVCHD 1080/50P mode only

5. 28Mbps / 35Mbps recording, normal EVF brightness

All specifications are subject to change without notice