

<b>XA30</b>	
<b>Image Sensor</b>	
<b>Sensor</b>	1/2.84 type HD CMOS Pro
<b>System</b>	RGB primary colour filter
<b>Total pixels per sensor</b>	Approx. 3.09 megapixels
<b>Effective pixels per sensor</b>	Approx. 2.91 megapixels (2136 x 1362)
<b>Minimum illumination (PAL Version)</b>	Auto: 1.0 lux With Auto Slow Shutter selected Low Light Mode: 0.1 lux
<b>Horizontal Resolution</b>	900 TV lines at highest image quality
<b>Lens</b>	
<b>Zoom ratio</b>	20x
<b>Focal length</b>	26.8 - 576mm (35mm equivalent / 28.8-576mm with Dynamic IS on)
<b>Minimum focus distance</b>	60cm (throughout zoom range); 10mm (wide angle)
<b>ND filter</b>	Built-in gradation filter (Auto or Off)
<b>Zoom control</b>	Zoom rockers on body and handle; Selectable manual zoom/focus ring on lens; Selectable High Speed and Soft Zoom modes available
<b>Zoom speed</b>	Variable (body rocker only) or Constant speed (body and handle rocker; Fast/Normal/Slow, 16 speed level settings in each)
<b>Focus control</b>	MANUAL: Lens ring, Touchscreen OLED (touch Focus, Touch and Track), Focus Preset AUTO: Face Priority AF / Face Only AF / Instant AF / Medium AF / TV AF
<b>Iris control</b>	Custom dial; Touchscreen; Auto
<b>Aperture range</b>	f1.8 - f8
<b>Filter diameter</b>	58mm
<b>Lens elements/groups</b>	12/10
<b>Aperture blades</b>	8 Blade Circular Aperture
<b>Image stabilization system</b>	Optical lens shift system (angle & vector movement detection) + electronic stabilisation; 4 modes: Intelligent (Auto), Dynamic, Standard, Powered
<b>Digital zoom</b>	Up to 400x; Built-in 2x Digital Teleconverter (cannot be used with Digital Zoom)
<b>Image Processor</b>	
<b>Type</b>	DIGIC DV 4
<b>Recording</b>	
<b>Video storage media</b>	SDXC/SDHC/SD memory card (2 card slots); Dual Format recording, Double slot (simultaneous) recording and Relay (continuous) recording possible. <sup>1</sup>
<b>Type</b>	Class 6 (or higher) cards recommended for 1080/50P recording; Class 4 (or higher) cards recommended for other Full HD recording
<b>Capacity</b>	
<b>Recording time</b>	128GB SDXC card: 10hrs 10mins (AVCHD max. quality) <sup>1</sup> 8hrs 00mins (MP4 max. quality) <sup>1</sup> 91hrs 55mins (MP4 lowest quality) <sup>1</sup>
<b>Recording file format</b>	AVCHD Progressive (v2.0, high profile); MP4
<b>Recording format</b>	AVCHD (all modes variable bit rate, 4:2:0 colour sampling): 1920x1080: 50p (28Mbps, linear PCM audio available); 1920x1080: 50i/PF25 (24Mbps, 17Mbps); 1440x1080: 50i/PF25 (5Mbps)  MP4 (all modes variable bit rate, 4:2:0 colour sampling): 1920x1080: 50p (35Mbps); 1920x1080: 25P (24Mbps, 17Mbps); 1280x720: 25P (4Mbps); 640x360: 25P (3Mbps)
<b>Slow/Fast motion</b>	YES (MP4 HD mode only, x0.5/x2/x4/x10/x20/x60/x120x1200)
<b>Interval Record</b>	NO
<b>Frame Record</b>	NO
<b>Pre Record (cache record)</b>	YES (3 seconds)

<b>Scan Reverse</b>	NO
<b>HD-&gt;SD conversion</b>	NO
<b>Internal Data Transfer</b>	MOVIE & STILLs: Yes (card to card)
<b>Photo storage media</b>	SDXC/SDHC/SD memory card
<b>Still quality</b>	During video recording or playback: 1920 x 1080/1280 x 720/640 x 360
<b>Monitoring Panel</b>	
<b>Type</b>	Capacitive Organic LED
<b>Size</b>	8.77cm (3.5"), 100% view
<b>Dots</b>	1.23 million-dot equivalent
<b>Touch Screen</b>	Yes. Touch and Drag operations supported
<b>Image quality adjustments</b>	Brightness, backlight, OLED colour balance
<b>Adjustable</b>	YES (270 degree rotation about horizontal axis)
<b>Waveform Monitor</b>	NO
<b>Focus Assist</b>	Peaking; Magnifying
<b>Peaking</b>	YES
<b>Zebra</b>	YES (70% or 100% reference level)
<b>Markers</b>	ON/OFF (Level, Grid)
<b>CVF</b>	
<b>Size</b>	0.61cm (0.24"), 100% view
<b>Dots</b>	1.56 million dots equivalent
<b>Adjustable</b>	YES (tiltable to 45 degrees)
<b>Correction lens</b>	+ 2.0 to -5.5 diopter
<b>Inputs/Outputs</b>	
<b>Audio in</b>	XLR inputs with 48V phantom power (x2), 3.5mm microphone input jack
<b>Headphone output</b>	3.5mm stereo jack
<b>Video monitor output</b>	NO
<b>HDMI</b>	YES (HDMI™ mini connector, output only,
<b>IEEE 1394 (Firewire)</b>	NO
<b>USB</b>	YES (Mini-B, USB 2.0 Hi-Speed, output only)
<b>HD/SD-SDI output</b>	NO
<b>Time code</b>	YES (Superimposed on HDMI Output signal)
<b>Genlock</b>	NO
<b>Component out</b>	NO
<b>AV terminal</b>	3.5mm mini jack (output only for video and audio)
<b>DC input</b>	YES
<b>Remote Control Terminal</b>	2.5mm mini jack
<b>Colour Bars</b>	YES (SMPTE or EBU), with 1KHz Tone
<b>Misc</b>	
<b>Tally lamp</b>	YES, in detachable handle
<b>Accessory shoe</b>	YES (cold shoe)
<b>Custom key</b>	YES (5 assignable buttons; select from 22 functions)
<b>Custom Dial</b>	YES (Shutter Priority (Tv), Aperture Priority (Av), Manual Exposure, exposure compensation, AGC limit)
<b>Shooting functions</b>	
<b>Exposure</b>	
<b>Exposure metering</b>	Centre-weighted average or segment evaluative (determined by shooting mode); No metering: Fireworks mode, Fixed exposure (1/50 sec.)
<b>Exposure compensation</b>	-3 to +3 EV (12 steps); Backlight Correction available (Auto or always on)
<b>Auto Exposure mode</b>	Smart Auto, Face Detection AE; Manual control via Touch Exposure and Exposure Compensation functions
<b>Push Auto Iris</b>	YES (via touchscreen)
<b>Exposure Lock</b>	YES. Touch Exposure available
<b>Auto Gain Control setting</b>	Auto / Manual
<b>Auto Gain Control limit</b>	0 to 24dB, 1dB increments (0 to 18dB in Cinema Mode)
<b>Gain setting</b>	0 to 24dB, 1dB increments (0 to 18dB in Cinema Mode)
<b>Shutter speed</b>	
<b>Control Modes</b>	Full Auto / Manual control (touchscreen LCD or control dial)
<b>Shutter speed</b>	1/6 to 1/2000 (depending on Scene Mode and frame rate)
<b>Slow Shutter (SLS)</b>	Yes. Auto On or Off
<b>Clear Scan</b>	NO
<b>Infrared</b>	
<b>Infrared shooting mode</b>	YES (green or white)

<b>Built-in IR lamp</b>	YES, in detachable handle
<b>3D Shooting Assist</b>	
<b>OIS Axis Shift</b>	NO
<b>Focal Length Guide</b>	NO
<b>Shooting Modes</b>	
<b>Smart AUTO</b>	YES
<b>Program AE</b>	AUTO; 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
<b>Cinema Features</b>	Cinema-Look Filter (9 options, including customisable 'Cinema
<b>Image Effects</b>	Brightness, Contrast, Sharpness, Colour Depth
<b>Wi-Fi &amp; GPS Specifications</b>	
<b>Wireless LAN standards</b>	IEEE 802.11b/g/n/a(2.4GHz or 5GHz band) <sup>2</sup>
<b>Supported Wi-Fi Functions</b>	Remote Operation; Movie Uploader (YouTube and Facebook) <sup>3</sup> ; Playback (in browser); Media Server; FTP File Transfer
<b>Supported Browser for Remote Operation</b>	Internet Explorer 8 or later, Safari (iOS), Safari (MacOS), Android standard browser
<b>Remote Operation Control Features</b>	Aperture, Focus, WB, shutter Speed, Gain, Exposure Compensation, Shooting Mode, Slot select, Start/Stop Recording
<b>Live view image Resolution</b>	Camera setting mode: 680 x 383; Simplified setting: 284 x 160
<b>Authentication Systems</b>	Open/WPA-PSK/WPA2-PSK
<b>Encryption</b>	WEP64, WEP128, TKIP, AES
<b>GPS Information (Optional Accessory)</b>	Latitude/Longitude/Elevation, Coordinated Universal Time (UTC)

<b>White balance</b>	
<b>Auto</b>	YES
<b>Preset</b>	6: Daylight, Shade, Cloudy, Tungsten (incandescent lamps or halogen bulbs), Fluorescent H (3-wavelength type fluorescent), Fluorescent (white fluorescent)
<b>Manual setting</b>	Set 1, Set 2, Colour Temperature (2,000–15,000 K, 100K steps)
<b>Countup system</b>	Regen/Rec Run/Free Run/Preset (Non-Drop Frame)
<b>Start value setting</b>	"00:00:00:00", Set/Reset selectable
<b>Audio</b>	
<b>Recording</b>	AVCHD: Linear PCM <sup>4</sup> (2ch, 16 bit, 48 kHz) or Dolby Digital (AC-3 2ch, 48kHz) MP4: MPEG-2 AAC LC (2 ch)
<b>Control</b>	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
<b>Microphone attenuation</b>	Auto/On/Off (20dB)
<b>Microphone level meter</b>	YES
<b>Wind Screen</b>	YES
<b>Zoom Microphone</b>	YES (customisable frequency response and directivity)
<b>Accessories</b>	
<b>Supplied</b>	Lens hood with barrier, Mic holder unit, Handle unit (HDU-1), Wireless Controller (WL-D89), Battery 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), PIXELA Data Import Utility Ver2.0
<b>Optional</b>	Canon Battery Pack BP-820/BP-828 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-10LiII (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)
<b>Battery</b>	
<b>Backup power supply</b>	Lithium coin battery (built-in)
<b>Power Consumption</b>	Max Approx. 5.0W <sup>5</sup> (AVCHD) / 5.1W (MP4) <sup>5</sup>
<b>Continuous Recording Time</b>	Supplied BP-820: Approx. 145 minutes <sup>5</sup> Optional BP-828: Approx. 220 minutes <sup>5</sup>
<b>Miscellaneous</b>	
<b>Dimensions</b>	Approx. 109 x 84 x 182 mm (main body only) Approx. 131 x 180 x 231 mm (fully equipped)
<b>Detachable handle</b>	YES
<b>Weight (camera only)</b>	Approx. 765 g
<b>Weight (fully equipped)</b>	Approx. 1155 g
<b>Operating Temperature range</b>	-5 to +45°C, 60% relative humidity 0°C to +40°C, 80% relative humidity
<b>Disclaimers</b>	<p>1. After 12 hours of continuous recording, camcorder will stop recording and re-start automatically. Simultaneous/Dual Format recording not available in 1080/50P modes.</p> <p>2. 5Ghz not available in Qatar, capability and functionality may vary by region</p> <p>3. iOS devices only, excludes MP4 1080/50P mode</p> <p>4. AVCHD 1080/50P mode only</p> <p>5. 28Mbps / 35Mbps recording, normal EVF brightness</p> <p>All specifications are subject to change without notice</p>