

# XA30



## COMPACT RUN-AND-GUN CAMCORDER

The XA30 is a compact professional-use Full HD video camera, which employs a newly developed Canon CMOS sensor making possible exceptional high-sensitivity imaging performance. The XA30 is ideally suited across a variety of shooting applications, from the capturing of news footage and other broadcasting content to the recording of documentaries and events.



### Wide range of imaging expression possibilities

The XA30 features two new video-recording modes: Highlight Priority, which facilitates the faithful expression of tonal gradations, colors and sharpness in the mid- to high-brightness range; and Wide DR, which delivers an expanded dynamic range

### Outstanding imaging performance

Combining an newly developed Canon HD CMOS PRO sensor with an impressive 20x optical zoom lens and Canon's DIGIC DV 4 imaging platform, the XA30 achieves smooth, high-quality video with minimal noise, even when shooting in dimly lit environments.

### Flexible Handling

The XA30 includes a detachable handle unit as standard which provides XLR Terminals (INPUT1/INPUT2), a microphone holder, high-level audio features and an infrared shooting feature



*no one sees it like you*

**Canon**

# XA30

## COMPACT RUN-AND-GUN CAMCORDER



Newly developed Canon HD CMOS Pro Sensor featured a signal-to-noise improved by 3db & approx 40% reduction in noise compared to the previous model (XA20). This delivers exceptional high-sensitivity imaging performance



Highly versatile Canon HD Video lens combines a wide angle focal length of 26.8mm (35mm camera equivalent) together with powerful 20x zoom performance whilst maintaining a compact design



Featuring a newly developed DiGiC DV4 image processor, for optimum colour reproduction, faster AF speeds and improved image stabilization function



5-axis image stabilization delivers enhanced electronic correction of roll & tilt motions, reducing image distortion substantially even when shooting whilst walking



Highlight Priority mode facilitates the faithful expression of tonal gradations, colours and sharpness in the mid- to high-brightness range delivering an effect similar to HDR



Wide DR Gamma compresses high brightness areas seamlessly and delivers an expanded dynamic range of 600%

*no one sees it like you*

**Canon**

# Technical Specifications

# XA30

IMAGE SENSOR	
<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
LENS	
<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 Variable (body rocker only) or Constant speed (body and handle rocker; Fast/Normal/Slow, 16 speed level settings in each)
<b>Zoom speed</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>Focus control</b>	
<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 Up to 400x;
<b>Digital zoom</b>	Built-in 2x Digital Teleconverter (cannot be used with Digital Zoom)
IMAGE PROCESSOR	
<b>Type</b>	DIGIC DV 4
RECORDING	
<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> Class 6 (or higher) cards recommended for 1080/50P recording; Class 4 (or higher) cards recommended for other Full HD recording
<b>Type</b>	
<b>Recording time</b>	128GB SDXC card: 10hrs 10mins (AVCHD max. quality) <sup>1</sup> 8hrs 00mins (MP4 max. quality) <sup>1</sup> 9hrs 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)
<b>Recording format</b>	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/x120/x1200
<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 & STILL: 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

SYSTEM	
<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)
CVF	
<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
INPUTS / OUTPUTS	
<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 (Embedded in SDI output; 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
MISC	
<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)

no one sees it like you

Canon

# Technical Specifications

# XA30

SHOOTING FUNCTIONS	
<b>EXPOSURE</b>	
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
Exposure Lock	YES (via touchscreen)
Auto Gain Control setting	YES. Touch Exposure available
Auto Gain Control limit	Auto / Manual
ISO Sensitivity	0 to 24dB, 1dB increments (0 to 18dB in Cinema Mode)
Gain setting	0 to 24dB, 1dB increments (0 to 18dB in Cinema Mode)
<b>SHUTTER SPEED</b>	
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)
Slow Shutter (SLS)	Yes. Auto On or Off
Clear Scan	NO
<b>INFARED</b>	
Infrared shooting mode	YES (green or white)
Built-in IR lamp	YES, in detachable handle
<b>3D SHOOTING ASSIST</b>	
OIS Axis Shift	NO
Focal Length Guide	NO
Shooting Modes	
Smart AUTO	YES
Program AE	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
Image Looks settings	Standard, Highlight Priority, Wide DR
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/a(2.4GHz or 5GHz band) <sup>2</sup>
Supported Wi-Fi Functions	Remote Operation; Movie Uploader (YouTube and Facebook <sup>3</sup> ); 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, Start/Stop Recording
Live view image Resolution	Camera setting mode: 680 x 383; Simplified setting: 284 x 160
Authentication Systems	Open/WPA-PSK/WPA2-PSK
Encryption	WEP64, WEP128, TKIP, AES
GPS Information (Optional Accessory)	Latitude/Longitude/Elevation, Coordinated Universal Time (UTC)

<b>WHITE BALANCE</b>	
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)
<b>TIME CODE</b>	
Countup system	Regen/Rec Run/Free Run/Preset (Non-Drop Frame)
Start value setting	"00:00:00.00", Set/Reset selectable
AUDIO	
Recording	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)
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	YES
Wind Screen	YES
Zoom Microphone	YES (customisable frequency response and directivity)
ACCESSORIES	
Supplied	Lens hood with barrier, Mic holder unit, Handle unit (H DU-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
Optional	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-1000, SC-2000, Wrist Strap, WS-20, 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-10LiIII (Model A/B only), Canon Battery Pack BP-900 series (for VL-10Li/VL-10LiIII), Canon Compact Power Adapter CA-910/920/930 (for charging BP-900 series)
Backup power supply	Lithium coin battery (built-in)
Power Consumption	Max Approx. 5.0W5 (AVCHD) / 5.1W (MP4) <sup>5</sup>
Continuous Recording Time	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
	Approx. 11 g
<b>Weight (fully equipped)</b>	
<b>Operating Temperature range</b>	-5 to +45°C, 60% relative humidity 0°C to +40°C, 80% relative humidity

All data is based on Canon standard testing methods except where indicated.

- After 12 hours of continuous recording, camcorder will stop recording and re-start automatically. Simultaneous/Dual Format recording not available in 1080/50P modes.
- 5Ghz not available in Qatar; capability and functionality may vary by region
- iOS devices only, excludes MP4 1080/50P mode
- AVCHD 1080/50P mode only
- 28Mbps / 35Mbps recording, normal EVF brightness

All specifications are subject to change without notice

For more information visit  
[canon.com.au](http://canon.com.au)  
[canon.co.nz](http://canon.co.nz)

no one sees it like you

**Canon**