

XA10 XF100

Set your own standard:
Professional Full HD
camcorders.

you can



Canon

XA10

The innovative **XA10 AVCHD camcorder** packs Canon professional technology into an ultra-compact body. Exceptional functionality and versatility ensures outstanding video and audio performance.



Professional HD video in the palm of your hand



FEATURES

- High resolution imaging: wide-angle Canon HD Video Lens (F1.8, 30.4mm) with 10x optical zoom and 8-blade iris
- Canon HD CMOS Pro sensor provides outstanding dynamic range and low light performance
- Professional audio control, including 2x XLR inputs
- Full HD AVCHD recording (24Mbps) to 64GB of internal memory or 2x SDXC cards
- Shoot at night: Infrared mode with built-in IR lamp
- Full manual control, with lens focus ring and customisable control dial
- 8.8cm, 922k dot LCD; 0.61cm, 260k dot EVF
- Dynamic OIS and Powered IS combat shake
- Instant AF and Face Detection for pin-sharp focus
- Versatile: compact size, detachable handle, accessory shoe

	XA10	XF100
Codec	AVCHD; 24Mbps; 4:2:0	MPEG2 MXF; 50Mbps; 4:2:2
Video Resolution	1080/50i; 1080/25p*	1080/50i; 1080/25p; 720/50p; 720/25p
Recording Media	64GB built-in; 2x SDXC/SDHC	2x CompactFlash
Canon HD Video Lens	10x zoom, 30.4mm, f/1.8, Focus control via ring	10x zoom, 30.4mm, f/1.8, Lens, focus, iris control via ring
HD CMOS Pro	✓	✓
DIGIC DV III	✓	✓
Audio	2x XLR input; 35mm jack, 2ch Dolby Digital	2x XLR input; 35mm jack, 2ch Linear PCM
Variable Frame Rates	-	Slow & Fast Motion; Time Lapse; Stop Motion
Customisation	2 assignable buttons	Custom Picture; Custom Function; Custom Display 10 assignable buttons
3D Assist Functions	-	✓
Infrared mode	✓	✓

* Recorded as 50i video stream

XF100

The **XF100** is Canon's smallest camcorder to include an MPEG-2, 50Mbps, 4:2:2 Full HD codec. CF card recording, professional audio and extensive customisation provides exceptional versatility.

FEATURES

- Records MPEG-2 MXF files to two CF cards at up to 50Mbps (4:2:2 colour, simultaneous recording possible)
- Lightweight palm-sized design; pro audio functions include handle-mounted XLR inputs
- 10x zoom Canon HD Video Lens (30.4mm, f1.8), with control ring and 8-blade iris
- 1/3 type Full HD Canon CMOS sensor
- 3D Shooting Assist Functions and Infrared shooting mode, with built-in IR lamp
- 8.8cm, 920k dot LCD with waveform monitor; 0.6cm, 260k dot EVF
- Variable frame rate recording
- Extensive customisation: 34 functions assignable to 10 buttons
- Canon XF Utility and NLE plug-ins supplied
- Canon Professional Services video support



An unprecedented combination of versatility and Full HD image quality



Specification

	XA10	XF100	XA10	XF100
IMAGE SENSOR				
Sensor System	1/3 type HD CMOS Pro Bayer pattern filter	1/3 type CMOS Bayer pattern filter	EVF Size	0.61cm (0.24"), 100% view
Total pixels per sensor	2.37 megapixels	2.37 megapixels	Dots	260,000
Effective pixels per sensor	2.07 megapixels	2.07 megapixels	Image quality adjustments	-
Minimum illumination	Auto: 1.3 lux (with Auto Slow Shutter) Slow Shutter: 0.1 lux	Full Auto (2.4dB gain), 50i/25p: 3.8 lux / 1.9 lux Manual mode (33dB gain), 50i/25p: 1.3lux / 0.7 lux (1920 x 1080i mode)	Adjustable Correction lens	-
Horizontal Resolution	900 TV lines or more (1920 x 1080i mode)	900 TV lines or more (1920 x 1080i mode)	Correction lens	+ 2.0 to -5.5 diopter
LENS				
Zoom ratio	10x	10x	INPUTS/OUTPUTS	
Focal length	4.25 - 42.5mm (35mm equivalent: 30.4 - 304mm)	4.25 - 42.5mm (35mm equivalent: 30.4 - 304mm)	Audio in	XLR inputs with 48V phantom power (x2), 3.5mm microphone input jack
Minimum focus distance	60cm (throughout zoom range); 20mm (wide angle)	60cm (throughout zoom range); 20mm (wide angle)	Headphone output	3.5mm stereo jack
ND filter	Built-in gradation filter (Auto or Off)	Built-in gradation filter (Auto or Off)	Video monitor output	NO
Zoom control	Slider or Handle; Selectable Shockless Zoom mode	Ring, Rocker or Handle; Selectable Shockless Zoom mode	HDMI	YES (HDMI™ Mini Connector: v1.3, out only, 1080/50p output possible)
Zoom speed	Zoom Slider: Variable speed/Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode)	Zoom Rocker: Variable speed/Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode)	IEEE 1394 (Firewire)	NO
Focus control	MANUAL: Lens ring, Touchscreen LCD (Touch Focus, Touch and Track), Focus Preset AUTO: Face Priority AF / Face Only AF / Instant AF / Medium AF / TV AF	Ring control or automatic (Instant AF, Medium AF, TV AF, Face Detection AF, Face Only AF)	USB	YES (Mini-B, USB 2.0 Hi-Speed)
Iris control	MANUAL: Custom dial control; Touchscreen control AUTO: YES	Ring control; Custom dial control; Full Auto	HD/SD-SDI output	NO
Aperture range	f1.8 - f8	f1.8 - f22	Time code	NO
Filter diameter	58mm	58mm	Genlock	NO
Lens elements/groups	12/10	12/10	Component out	YES (output only)
Image stabilization system	Optical lens shift system (angle & vector movement detection); 3 modes: Dynamic, Standard, Powered	Optical lens shift system (angle & vector movement detection); 3 modes: Dynamic, Standard, Powered	AV terminal	3.5mm mini jack (output only for video and audio)
Digital zoom	2x	1.5x; 3x; 6x	DC input	YES
IMAGE PROCESSOR				
Type	DIGIC DV III	DIGIC DV III	Remote Control Terminal	2.5mm mini jack
RECORDING				
Video storage media	64GB built-in flash memory; SDXC/SDHC/SD memory card (2 card slots); Double slot (simultaneous) recording and Relay (continuous) recording possible. ¹	Type 1 Compact Flash memory cards (2 card slots); Double slot (simultaneous) recording and Relay (continuous) recording possible. ¹	Colour Bars	YES (SMPTE)
Type	Class 4 or higher SDHC card required for 1920x1080 recording	UDMA4, 30MB/s or faster (40MB/s or faster for Fast/Slow recording)	MISC	
Recording time	64GB internal memory or SDXC card: 5hrs 55mins (MXP mode, max. quality) ¹ 24hrs 30mins (LP mode, lowest quality) ¹	32GB CF card: Up to 80mins (1080/50i @ 50 Mbps)	Tally lamp	YES
Recording file format	AVCHD high profile (MPEG4-AVC/H.264) AVCHD (all modes variable bit rate, 4:2:0 colour sampling)	Material eXchange Format (MXF) MPEG-2 Long GOP	Accessory shoe	YES (cold shoe)
Recording format	MXP: 1920x1080, 24Mbps; FXP: 1920x1080, 17Mbps; XP+: 1440x1080, 12Mbps; SP: 1440x1080, 7Mbps; LP: 1440x1080, 5Mbps	50Mbps CBR (4:2:2) MPEG-2 422@HL; 35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@HL4	Custom key	YES (2 assignable buttons; select from 9 functions)
Recording frame rate	1920 x 1080/50i; 1920 x 1080/25p (50i recorded stream)	50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p	Custom Dial	YES (Shutter Priority (Tv), Aperture Priority (Av), Manual Exposure, exposure compensation, AGC limit)
Slow/Fast motion	NO	YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps	EXPOSURE	
Interval Record	NO	YES, 2, 6 or 12 frames, 25 time intervals	Exposure metering	Centre-weighted average or segment evaluative (determined by shooting mode)
Frame Record	NO	YES, 2, 6 or 12 frames	Exposure range	-2 to +2 EV (13 steps)
Pre Record (cache record)	YES (3 seconds)	YES (3 seconds)	Exposure compensation	Smart Auto, Face Detection AE
Scan Reverse	YES, Up/down, left/right, up/down/left/right image inversion	YES, Up/down, left/right, up/down/left/right image inversion	Auto Exposure mode	No
HD->SD conversion	YES (during playback)	-	Push Auto Iris	NO
Internal Data Transfer	MOVIE & STILL: Yes (internal memory to card, card to card)	-	Exposure Lock	YES
LCD				
Size	8.8cm (3.5"), 100% view	8.8cm (3.5"), 100% view	Auto Gain Control setting	Full Auto / AGC On / Manual
Dots	922,000	920,000	Auto Gain Control limit	0 to 24dB, 1dB increments (0 to 18dB in Cinema Mode)
Image quality adjustments	Brightness, backlight	Brightness, contrast, colour, sharpness, backlight, black & white	Gain setting	0 to 24dB, 1dB increments
Adjustable	YES (270 degree rotation about horizontal axis)	Yes (270 degree rotation about horizontal axis)	SHUTTER SPEED	
Waveform Monitor	YES	YES	Control Modes	Full Auto / Manual control (touchscreen LCD or control dial)
Focus Assist	Peaking; Magnifying; Edge Monitor (using waveform display)	Peaking; Magnifying; Edge Monitor (using waveform display)	Shutter speed	1/6 to 1/2000 (depending on Scene Mode and frame rate)
Peaking	YES	YES	Shutter Angle	-
Zebra	YES (70% or 100% reference level)	Level 1; Level 2; Both; Output via HDMI	Shutter Angle Slow Shutter (SLS)	1/2 to 1/500 (Low Light Scene Mode)
Markers	ON/OFF (Grid, Horizontal, Centre)	ON/OFF (Aspect ratio, Safe area, Grid, Horizontal, Centre)	Clear Scan	NO
INFRARED				
Infrared shooting mode				
Built-in IR lamp				
WHITE BALANCE				
Auto Preset				
Set 1, Set 2, Preset (Daylight, Shade, Cloudy, Tungsten, Fluorescent H, Fluorescent, Colour Temperature)				
AUDIO				
Recording				
Control				
Microphone attenuation				
Microphone level meter				
Zoom Microphone				
ACCESSORIES				
Optional				
Wide Converter WD-H5BW, Teleconverter TL-H5B, 58mm lens filters, Batteries BP-808/BP-819/BP-827, Battery Charger CG-800, Video Light VL Li II, Remote Control ZR-2000, Component Cable CTC-100, HDMI cable HTC-100, Wireless Microphone WM-V1.				
BATTERY				
Backup power supply				
Power Consumption				
Continuous Recording				
MISCELLANEOUS				
Dimensions				
Detachable handle				
Weight (camera only)				
Weight (fully equipped)				
Operating Temperature range				

1. Recording for more than 12 hours continuously is not possible
2. MXP mode, using EVF
3. 50Mbps CBR mode, using EVF

All data is based on Canon's standard testing methods. Specifications are subject to change without notice. ™ and ®: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.

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