

# CANON XA10 HIGH DEFINITION CAMCORDER

## Maximum Mobility

Ultra-portable in design and feature-rich in performance, the XA10 Professional Camcorder records Full HD 1080p using the AVCHD codec. The XA10 provides the option of recording to a 64GB internal flash drive as well as to two SDXC-compatible card slots, with the ability to relay record between media and double slot recording for instant backup. A detachable handle facilitates low-angle and provides enhanced functionality including XLR audio inputs with phantom power, manual audio control, and infrared emitter. With the handle removed the camera is super compact and able to be mounted in the smallest of spaces. Equipped with a Genuine Canon 10x HD video lens for superb HD image capture, the XA10 delivers a broad, flexible zoom range (35mm equivalent range 30.4mm – 304mm) and smooth, pleasing backgrounds thanks to an eight-blade iris. An infrared mode allows users to capture video in conditions with almost no ambient light. The XA10 is the ultimate Professional HD Camcorder for on-the-go videographers where mobility is of the highest priority.



## Key Features

- ▶ Canon 1/3-inch native 1920 x 1080 CMOS image sensor
- ▶ Canon **DiGiC DV III** image processor
- ▶ 3.5-inch touch-panel LCD screen
- ▶ Full manual control
- ▶ Full HD 1080p video using AVCHD codec
- ▶ Multiple frames including Native 24p
- ▶ Cinema-Look filters
- ▶ Cinema Mode



Users can record up to 24 hours of HD video to the internal 64GB of internal flash memory in addition to SD memory cards in the two SDXC compatible memory slots.

- ▶ HDMI output

## Recommended For:

- ▶ Event Videography
- ▶ Documentaries
- ▶ Corporate Video
- ▶ Schools
- ▶ Web Video

# XA10



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PRODUCT NAME: XA10 ITEM CODE: 4922B002 UPC CODE: 013803135213

## SPECIFICATIONS

STANDARD DEFINITION OR HIGH DEFINITION		High Definition
POWER SUPPLY (RATED)		7.4 V DC (battery pack), 8.4 V DC (DC IN)
TELEVISION SYSTEM		NTSC
VIDEO RECORDING SYSTEM		AVCHD
AUDIO RECORDING SYSTEM		2-Channel, Dolby Digital (AC-3)
IMAGE SENSOR		1/3-inch CMOS, RGB Primary Color Filter
TOTAL PIXELS		Approx. 2.37-megapixels
EFFECTIVE PIXELS	VIDEO	Approx. 2.07-megapixels (1920 x 1080)
	PHOTO	16:9 Approx. 2.07-megapixels (1920 x 1080)
MAXIMUM RECORDING TIME 64GB INTERNAL FLASH DRIVE*	LP (5MBPS)	24 hours 30 minutes
	SP (7MBPS)	19 hours 10 minutes
	XP+ (12MBPS)	11 hours 30 minutes
	FXP (17MBPS)	8 hours 20 minutes - Allows 1920 x 1080 Full HD Recording
	MPX (24MBPS)	5 hours 55 minutes - Allows 1920 x 1080 Full HD Recording
LENS	ZOOM RATIO	10x Optical / 40x / 200x Digital (Movie)
	FOCAL LENGTH	f-4.25-42.5 mm (35 mm equivalent 30.4-305.35 mm)
	ZOOM SPEED	Variable, Constant: Fast, Normal, Slow (16 steps in each mode)
	MAX. F / STOP	f / 1.8-2.8
FOCUSING SYSTEM		TVAF plus External Phase Difference Metering Sensor, Autofocus (Instant AF, Medium AF, Normal AF, Face AF, Manual)
MANUAL EXPOSURE		Yes
PROGRAMMED AE		Smart Auto, P, Tv, Av, M (Manual exposure), Portrait, Sports, Snow, Beach, Sunset, Night Scene, Low Light, Spotlight, Fireworks
MAX SHUTTER SPEED		1/2000
MINIMUM FOCUSING DISTANCE		20 mm (wide macro) / 60 cm (entire zoom range)
WHITE BALANCE		Auto, Set 1, Set 2, Custom (2,000K to 15,000K in 100K increments), Daylight, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H, Manual
FRAME RATES		60i, Native 24p (records at 24p), PF24 Progressive (records at 60i), 30p Progressive (records at 60i)
MINIMUM ILLUMINATION	AUTO MODE	1.5 lux (with auto slow shutter selected - shutter speed 1/30)
	LOW LIGHT MODE	0.1 lux (shutter speed 1/2 sec.)
IMAGE STABILIZATION		SuperRange Optical (Lens Shift): 4 modes: Standard, Powered, Dynamic, Off
FILTER DIAMETER		58 mm
VIEWFINDER		.24-inch, color widescreen, Approx. 260,000 dots, Approx. 100% field of view
LCD SCREEN		3.5-inch High Resolution Touch Panel Widescreen Color LCD, Approx. 922,000 dots, Approx. 100% field of view
RECORDING MEDIA		Internal flash drive (64GB) and SD / SDHC / SDXC memory cards (2 slots) **
USB TERMINAL		Mini-B USB 2.0 Hi-Speed
VIDEO TERMINAL		Component: Output only; Composite: A / V terminal 3.5 mm mini-jack, output only
AUDIO TERMINAL		XLR 3-pin jack (2), Switchable between MIC / LINE, 3.5 mm stereo mini-jack
ACCESSORY SHOE		Cold
HDMI TERMINAL		HDMI Mini Connector (output), CEC, x.v.Color, and 1080p output supported
MICROPHONE TERMINAL		3.5 mm stereo mini-jack
AV MINI TERMINAL / HEADPHONE TERMINAL		3.5 mm 4 pole mini-jack (video / audio output only)
REMOTE CONTROL TERMINAL		Yes (compatible with LANC protocol)
OPERATING TEMPERATURE RANGE		Approx. -5° to 45° C, 60% relative humidity / Approx. 0° to 40° C, 85% relative humidity (performance)
DIMENSIONS (W x H x D)	3.0 x 3.0 x 6.3 in. (77 x 77 x 161 mm) (excludes lens hood, mic holder unit, handle, and grip strap, but includes eyecup;	
	5.1 x 7.0 x 8.0-inch (130 x 177 x 205 mm) (including lens hood, mic holder unit, handle, and eyecup but excludes grip strap)	
WEIGHT	Approx. 1.7 lbs. (775 g) (Including lens hood, mic holder unit, and handle unit (and grip belt); but excluding lens cap.)	
	Approx. 1.8 lbs. (820 g) (Including BP-808 Battery, memory card (x1), lens hood, mic holder unit and handle (and grip belt); but excluding lens cap.)	

\* Recording time based on internal flash memory only. Greater capacity is possible when SD memory cards are also used (2 card slots).  
 \*\* 1920 x 1080 movie recording requires a Class 4 or higher memory card. For other recording formats, a Class 2 or higher card is recommended. Also, movie recording requires cards with 128MB of memory or more. Cards made by Toshiba, SanDisk or Matsushita are recommended. No particular restrictions apply for still images.

## OPTIONAL ACCESSORIES

	Item Code	Description
BATTERIES	3185B002	BP-827 Battery Pack
	2740B002	BP-808 Battery Pack
	2589B002	BP-819 Battery Pack
REMOTES	3089A002	ZR-1000 Zoom Remote Control
	0973B002	ZR-2000 Zoom Remote Control
CASES & STRAPS	1528V984	SC-A1000 Soft Carrying Case
	9389A001	SC-2000 Soft Carrying Case
ADAPTERS & CHARGERS	2590B002	CG-800 Battery Charger
	8468A002	CA-570 Compact Power Adapter
CABLES & CORDS	2384B001	HTC-100 HDMI Cable
	1719B001	CTC-100 Component Cable
	5068B002	WM-V1 Wireless Microphone
OTHER CAMCORDER ACCESSORIES	4892B001	WD-H58W Wide Converter
	3573B001	TL-H58 Tele Converter

## The AVCHD "Format"



The AVCHD (Advanced Video Coding High Definition) video "format" has many advantages and is quickly becoming the recording standard for professional-grade camcorders. AVCHD utilizes MPEG-4 AVC/H.264 compression technology similar to that used in Canon's HD DSLRs. Most non-linear editing software – both professional and consumer – provides full support for the AVCHD codec, which ensures editing compatibility for the XA10 HD Camcorder, no matter what system the user chooses.

The compression scheme employed by the AVC/H.264 codec allows for a large quantity of quality video to be stored on relatively inexpensive media. Full 1080p quality AVCHD video offers intuitive thumbnail viewing of content, and it can be transferred to a computer via a USB connector. Additionally, the XA10 HD Camcorder records up to 24Mbps (the maximum bit rate of AVCHD) at 1920 x 1080 and 4:2:0 color space for sharp, vivid, and professional-quality image capture.

AVCHD is also used for encoding Blu-ray discs, meaning that the XA10 HD Camcorder is ideal for capturing content for delivery in this "format," and it makes for easy conversion to web-based H.264 content.

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