

Canon

XH A1

Introducing Canon's XH A1 High Definition Camcorder

3 CCD HD Performance Plus Advanced Features and Canon Image Quality

The Canon XH A1 High Definition Camcorder is designed for the demanding commercial or documentary production professional or advanced amateur who needs 3 CCD, High Definition performance along with an array of advanced features — all in a compact design.

The remarkable image quality of the XH A1 begins with the Genuine Canon 20x HD zoom lens, combined with Super-Range OIS (Optical Image Stabilization), and Canon's revolutionary Instant AF (Auto Focus). It captures a 1440 x 1080 widescreen HD image at 60i, 30F or 24F frame rates. Offering complete customization by tailoring the image, display and operation, the XH A1 is sure to meet your uncompromising standards.

Genuine Canon 20x HD Video Lens
Provides Outstanding Image Quality

Super-Range Optical Image Stabilizer
For Rock Steady Images

THREE NATIVE 16:9 CCDs (1440 x 1080)
Exceptional Clarity & Color

1080 HD Resolution
With Choice of 60i, 30F and 24F

DIGIC DV II
Image Processor Designed for HD

Instant AF
Fast and Accurate Focus for HD

Complete Customization
Tailor Your Image, Display and Operation



GENUINE CANON 20X HD VIDEO LENS WITH PROFESSIONAL SERIES FLUORITE

The XH A1's 20x zoom lens — with high-speed zoom capability — belongs to the renowned line of Canon's highest quality lenses, the Professional L Series. It uses fluorite lens elements that greatly reduce chromatic aberration. And, hand-held performance is ensured with **Super-Range OIS** (Optical Image Stabilization) that corrects for a wide range of camcorder motion — from harsh vibration to body sway. A sharp image is also a certainty with **Instant AF**, the next generation of auto focus. This revolutionary new technology is designed specifically for the higher resolution of HD, and reduces focusing time and increases accuracy under the most demanding conditions. And, because the lens comes equipped with an independent manual iris ring as well as a focus ring and zoom ring, you can adjust zoom, focus and exposure with a single hand on the lens.

THREE NATIVE 16:9 CCDs (1440 X 1080)

At the heart of the XH A1 are three 1/3" Native 16:9 CCDs (1440 X 1080) — the same image sensor found in Canon's exceptional XL H1. The XH A1 is also equipped with Canon's DIGIC DV II HD Image Processor, designed specifically for High Definition. Together, the CCDs and advanced image processing ensure high image quality, accurate color reproduction, and a wide dynamic range with virtually no color noise.

COMPLETE CUSTOMIZATION

With its customization capabilities, you can make your XH A1 fit your specific production requirements and work style. Create up to 9 custom presets, each with different image quality adjustments (hue, color, gain, sharpness, etc.) for different set-ups. Presets can then be stored on an SD memory card and transferred to another XH A1 camcorder. You can design the display information to fit your exact requirements, tailor camera functions (AE response, high-speed zoom, etc.) to your needs, and save them for different users or applications.

FEATURES

2.8" Widescreen LCD and .57" Widescreen EVF provide you with bright, high-resolution monitoring, and can be used simultaneously.

Simultaneous Still Image Shooting & Capture provide you with two still image functions. Simultaneous Still Image Shooting lets you capture still images as you record motion video. Still Image Capture lets you capture still images from existing HDV footage. Both of these functions let you capture still images for ENG applications and for creating storyboards. They also let you record images which you can use to record the look of custom presets. Aside from these functions, the built-in digital still camera has a variety of features including: single image shooting, continuous shooting, high-speed continuous shooting, histogram display, and AEB.

Level Shot and Grid Marker in your viewfinder helps you keep your camcorder level and lets you compose your shot with the help of a grid.

(2) Built-in XLR Terminals with line/mic level and phantom power. Audio level can also be manually adjusted.

Canon Console Image Control & Storage Software Ver. 1.1 (optional) lets you monitor/record/control key functions of the XH A1 remotely through a PC; e.g. camera set-up and image adjustment.

Program AE Modes give you as much or as little exposure control as you want, including: Auto, Full Auto, Manual, Tv (shutter priority), Av (aperture priority), Spotlight and Night.

1 Year Parts and Labor Limited Warranty



Viewfinder faces forward, back, up and down



Power Dial with camera recording programs



3 CCD HD performance plus
Genuine Canon Optics

SPECIFICATIONS

Recording Media	Mini DV Cassette	Audio	2-channel recording/MPEG1 Audio Layer II
Recording Time	SP: 80 min.	HDV	16 bit (48 kHz)
Lens		DV-PCM	12 bit (32 kHz)
Zoom Ratio	20x Optical		4ch synchronous recording not possible
Focal Length	4.5mm - 90mm (32.5 - 650mm; 35mm photo equivalent)	Power Sources	Supplied CA-920 Compact Power Adapter
Zoom Speed	16 Preset Zoom Speeds, plus Fixed Speed and Variable Speed		Supplied BP-950G Battery Pack
Max. F/Stop	f/1.6 - 3.5mm	Weight	4.5 lb (2030g)
Filter Size	72mm		5.0 lb (2260g) — including hood, BP-950G, Cassette and memory card
Image Stabilization	Super-Range Optical	Dimensions (W X H X D)	Approx. 6.4 x 7.4 x 13.8 in (163 x 189 x 350 mm) — not including grip belt
Viewfinder	Widescreen .57" Color Viewfinder		Approx. 5.5 x 7.4 x 12.4 in (140 x 189 x 314 mm) — not including the lens hood and grip belt
LCD Screen	Approx 269,000 pixels	Connectivity	2 XLR (line/mic level) inputs with phantom power (+48V)
Auto focus System	2 Mode Instant AF (external sensor plus TTL)/Normal AF		BNC Video
Manual Exposure	Yes		Component Video
Programmed AE	Auto, Full Auto, Manual, Av, Tv, Night, Spotlight		S-Video
White Balance Method	Auto, Outdoor, Indoor, Set (2x), Color Temperature (in degrees Kelvin)		Composite Video
Image Sensor	3 - 1/3" Native 16:9 CCDs 1440 x 1080		IEEE1394
Total Pixels	Approx. 1.67 Megapixels		Mic terminal(3.5mm)
Tape Recording	HD: 1440 x 1080; Approx. 1.56 Megapixels		Headphone terminal(3.5mm)
	SD (4:3): 1080 x 1080; Approx. 1.17 Megapixels		LANC terminal
	SD (16:9): 1440 x 1080; Approx. 1.56 Megapixels		
Still Image Recording	SD (4:3): 1080 x 1080; Approx. 1.17 Megapixels		
	SD (16:9): 1440 x 1080; Approx. 1.56 Megapixels		

ACCESSORIES

- Battery Pack (BP-950G)
- Battery Pack (BP-970G)
- Car Battery Adapter (CB-920)
- Canon DigitalMaster HDVM-E63PR Mini DV Tape
- Hard Case (HC-4200)
- Wide-Converter (WD-H72)
- Filter Set (FS-72U)
- Tripod Adapter (TA-100)
- Zoom Remote Controller (ZR-2000)
- Dual Battery Charger/Holder (CH-910)
- Video Light (VL-10Li II)
- Shoulder Brace (SBR-1000)
- CONSOLE Image Control & Storage Software Ver. 1.1

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Canon, USA Inc. Video Products Division

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