

# Canon XL-H1A 3CCD HDV High Definition Professional Camcorder with 20x HD Video Zoom Lens III (w 5990)

## Product Features

- HDV format camcorder; Featuring Canon's interchangeable XL lens mount
- New Genuine Canon 20x HD video zoom lens III with Professional L Series Fluorite
- Shoots in 1080 HD resolution with choice of 60i, 30F, and 24F
- Includes a DIGIC DV II HD image processor
- 2.4-inch widescreen combination EVF/LCD monitor (215,000 Pixels)

## Technical Details

- **Brand Name:** Canon
- **Model:** XLH1A
- **Media Type:** Mini DV (HDV)
- **Lens Type:** Zoom lens
- **Optical zoom:** 20 x
- **Maximum Aperture Range:** F/1.6-3.5
- **Shooting Modes:** Digital photo mode
- **Video Input:** Camcorder
- **Display Size:** 2.4 inches
- **Optical Sensor Resolution:** 1.67 MP
- **Optical Sensor Technology:** 3CCD



- **Optical Sensor Size:** 1/3"
- **Viewfinder Type:** LCD
- **Audio Input:** Microphone
- **Microphone Operation Mode:** Stereo
- **Height:** 8.7 inches
- **Weight:** 5.5 pounds
- **Depth:** 19.5 inches
- **Width:** 8.9 inches

## **Panasonic Professional AG-HMC40 AVCHD Camcorder with 10.6MP Still and 12x Optical Zoom (w 7850)**

### **Product Features**

- HD formats: 1080/60i, 1080/30p, 1080/24p (Native); 720/60p, 720/30p, 720/24p (Native)
- Three latest design 1/4.1 Progressive 3MOS Imagers for full HD resolution
- Long record time: 3 hours with included battery (7 hours continuous with 5,800mAh Battery)
- Touch Panel 2.7 inch Widescreen LCD displays Thumbnails & Audio Metering
- HDMI out, Component Out (mini D terminal), Composite Video and Stereo Audio Out with included cable

### Technical Details

- **Brand Name:** Panasonic
- **Model:** AG-HMC40PJU
- **Media Type:** Flash card
- **Lens Type:** Zoom lens
- **Optical zoom:** 12 x
- **Maximum Aperture Range:** F/1.8-2.8
- **Shooting Modes:** Digital photo mode
- **Video Input:** Camcorder
- **Display Size:** 2.7 inches
- **Optical Sensor Resolution:** 3.05 MP
- **Optical Sensor Technology:** 3CMOS
- **Optical Sensor Size:** 1/4.1"
- **Viewfinder Type:** LCD
- **Height:** 5.3 inches
- **Weight:** 2.2 pounds
- **Depth:** 12 inches
- **Width:** 5.4 inches



Sony Professional HVR-A1U CMOS High Definition Camcorder  
with 10x Optical Zoom (w 9120)

## **Product Features**

- High-definition video camera records in 1080i, 720p, and 720i specification with analog down-converting
- 16:9 widescreen recording; 4:3 conversion capable
- Carl Zeiss Vario-Sonnar T\* 10x optical zoom lens; digital Super SteadyShot System dampens hand jitter and vibration
- CMOS camera system; records to conventional DV tape stock
- Powered by NP-FM50 InfoLithium rechargeable battery pack

## **Technical Details**

- **Lens:** Carl Zeiss Vario-Sonnar T zoom lens
- **Focal length:**  $f = 5.1$  to  $51$  mm,  $f = 40$  to  $400$  mm in 16:9 mode and  $49.3$  to  $493$  mm in 4:3 mode (full scan mode on),  $f = 41$  to  $480$  mm in 16:9 mode and  $50$  to  $590$  mm in 4:3 mode (full scan mode off),  $f = 40$  to  $400$  mm in 16:9 mode and  $37$  to  $370$  mm in 4:3 mode (still picture mode)
- **Aperture:**  $f/1.8$  to  $f/2.1$
- **Optical zoom:** 10x
- **Filter diameter:** 37 millimeters
- **Focus:** Auto, manual, spot focus (touch panel control)
- **Minimum illumination:** 7 lux at 18db, normal shutter
- **Exposure:** Auto, Manual
- **Recording time:** Max. 60 minutes with HDV, 40 minutes in DVCAM, and 60 minutes in DV (SP)
- **Imaging device:** 1-chip, 1/3-inch type primary color CMOS sensor
- **Picture elements:** Approximately 2,969,000 pixels (total)

- **Shutter speed:** 1/4, 1/8, 1/15, 1/30, 1/60, 1/90, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/725, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000 seconds
- **Minimum illumination:** 7 lx with F1.8
- **Recording format:** 1080/60i, 480/60i
- **Play out/down conversion format:** 1080/60i, 480/60i, 480/60P
- **Audio/Video input/output:** A/V Out jack, 10-pin connector
- **Component video output:** Component Out jack
- **HDV/DV input/output:** i.LINK interface (IEEE 1394, 4-pin connector S100)
- **XLR audio input:** Two XLR 3-pin female
- **Headphone:** Stereo minijack
- **Mic:** Minijack
- **LANC:** Stereo mini-minijack
- **USB:** Mini-B
- **LCD viewfinder:** 0.44-inch type, approximately 252,000 (1120 x 225) pixels, hybrid type, 16:9 aspect ratio
- **LCD monitor:** 2.7-inch type, approximately 123,200 (560 x 220) pixels, hybrid type, 16:9 aspect ratio
- **Microphone:** Stereo type, noise reduction on/off
- **Speaker:** Built-in dynamic, 16 millimeters
- **Power requirements:** DC 7.2 V (battery pack), DC 8.4 V (AC adaptor)
- **Power consumption:** HDV: Approximately 5.6 W (recording mode with LCD viewfinder on), DVCAM/DV: Approximately 5.1 W (recording mode with LCD viewfinder on)



- **Operating temperature:** 32 to 104 degrees F
- **Picture elements:** Total pixels: approximately 2.97M pixels
- **SD video signal system:** NTSC
- **Scanning system:** 1080.60i
- **Connectors:** S-Video, A/V, Component Output, XLR IN (x2), i.LINK, LANC, Headphone stereo mini
- **Width:** 3.5 inches
- **Height:** 4.1 inches
- **Depth:** 12.38 inches
- **Weight:** 1 pound 7 ounces
- **Warranty:** 1 year
- **In the box:** Sony HVR-A1U, AC-L15 AC adaptor, power code, NP-FM50 InfoLithium rechargeable battery pack, lens hood with lens cover, RMT-831 wireless Remote Commander unit, A/V connecting cable with S video, component video cable, USB cable, Memory Stick Duo (16 MB), Memory Stick Duo adaptor, ECM-NV1 monaural electret condenser microphone, XLR audio adaptor, shoulder strap, operating instructions

## Canon XH-A1S 3CCD HDV High Definition Professional Camcorder with 20x HD Video Zoom Lens III (w 10010)

### Product Features

- Genuine Canon 20x HD video zoom lens with Professional L Series Fluorite; Independent manual focus, zoom, and iris ring
- Three 1/3-inch native 16:9 CCD with 1.67M pixels (1440 x 1080); 1080 HD resolution with choice of 60i, 30F, and 24F frame rates

- Canon DIGIC DV II HD Image Processor
- Complete Customization: Image adjustments, display adjustments, custom functions; Nine custom presets and two custom keys
- 2.8-inch Widescreen LCD (207,000 Pixels) and 0.57-inch Color Widescreen EVF (269,000 Pixels)

### **Technical Details**

- **Sensor:** CCD
- **Sensor:** 1.56 Megapixel
- **Size:** 1/3 inches
- **Recording Definition:** High Definition
- **Storage Media:** MMC
- **Storage Media:** SD
- **Storage Media:** SDHC
- **Movie File Format:** MPEG-1
- **Optical Zoom:** 20x
- **Focal Length:** f= 4.5 - 90mm
- **Focus Mode:** Through the lens
- **Focus Mode:** Manual focusing possible
- **Optical Viewfinder:** .57-inch widescreen
- **LCD Monitor:** 2.8-inch widescreen
- **LCD Pixels:** 207,000 pixels
- **LCD Coverage:** 100%



- **Maximum Aperture:** F 1.6 - 3.5
- **Video Out:** PAL
- **Video Out:** NTSC
- **Height:** 7.6 inches
- **Width:** 6.4 inches

## **Panasonic Pro AG-DVC20 3CCD MiniDV Proline Camcorder w/10x Optical Zoom (w 10000)**

### **Product Features**

- 3CCD optical system with advanced digital processing for sharp, vivid images
- 2.5-inch monitor with Power LCD and new Zero Lux Night View features
- 10x optical zoom; 500x digital zoom
- IEEE 1394 DV in/out terminal; video and S-video out; mic in and audio out
- Shoulder-mount design with extra-large handle grip and fingertip zoom control

### **Technical Details**

- **Brand Name:** Panasonic
- **Model:** DVC20
- **Media Type:** Mini DV
- **Lens Type:** Zoom lens



- **Optical zoom:** 10 x
- **Maximum Aperture Range:** f/1.8-2.8
- **Shooting Modes:** Normal movie mode, Digital photo mode
- **Video Input:** Camcorder
- **Display Size:** 2.5 inches
- **Optical Sensor Resolution:** 460000 Pixels
- **Optical Sensor Technology:** 3CCD
- **Optical Sensor Size:** 1/6"
- **Viewfinder Type:** LCD
- **Audio Input:** Microphone
- **Microphone Operation Mode:** Stereo
- **Height:** 8.88 inches
- **Weight:** 4.48 pounds
- **Depth:** 17.06 inches
- **Width:** 8.56 inches



**JVC GY-HM100U - Camcorder - High Definition - professional - widescreen - optical zoom: 10 x - supported memory: SDHC - flash card (w 9000)**

#### **Product Features**

- Professional format recording with selectable data rates up to 35Mbps

- Native Final Cut Pro format: Fastest HD shoot to edit workflow. Edit immediately without conversion or transcoding
- Native .MP4 format: Compatible with most professional non-linear editing systems
- Records to dual SDHC memory cards (no moving parts in recording system)
- Full HD recording (selectable): 1920 x 1080 (1080p24/25/30, 1080i) and 1280 x 720P (p60/50/30/25/24)

### **Technical Details**

- **Brand Name:** JVC
- **Model:** HM100U
- **Media Type:** Flash card
- **Lens Type:** Zoom lens
- **Optical zoom:** 10 x
- **Maximum Aperture Range:** F/1.8-2.8
- **Shooting Modes:** Digital photo mode
- **Video Input:** Camcorder
- **Display Size:** 2.8 inches
- **Optical Sensor Technology:** 3CCD
- **Optical Sensor Size:** 1/4"
- **Viewfinder Type:** LCD
- **Audio Input:** Microphone
- **Microphone Operation Mode:** Stereo
- **Height:** 7 inches



- **Weight:** 3.1 pounds
- **Depth:** 5.3 inches
- **Width:** 10.7 inches

## **Panasonic AGHMC70PJU AVCHD 3CCD Flash Memory Professional Camcorder with 12x Optical Image Stabilized Zoom (w 7990)**

### **Product Features**

- Shoulder-mount camcorder featuring AVCHD High Profile video codec
- Includes 12X 38.5mm to 462mm (35mm equivalent) Leica Dicomar wide-angle zoom lens
- Features Optical Image Stabilization-Helps ensure stable image recording for ideal HD capture
- 1/4-inch 3-CCD progressive image system with excellent sensitivity
- Records onto standard SD/SDHC cards to assure a fast tapeless production workflow

### **Technical Details**

- **Brand Name:** Panasonic
- **Model:** AGHMC70PJU
- **Media Type:** Flash card
- **Lens Type:** Zoom lens

- **Optical zoom:** 12 x
- **Maximum Aperture Range:** F/1.8-2.8
- **Shooting Modes:** Digital photo mode
- **Video Input:** Camcorder
- **Display Size:** 3 inches
- **Optical Sensor Resolution:** 560000 Pixels
- **Optical Sensor Technology:** 3CCD
- **Optical Sensor Size:** 1/4"
- **Viewfinder Type:** LCD
- **Audio Input:** Microphone
- **Microphone Operation Mode:** Stereo
- **Height:** 9.2 inches
- **Weight:** 6 pounds
- **Depth:** 17.1 inches
- **Width:** 9.2 inches

