

Panasonic AJ-HDX900 HD Camcorder

The **Panasonic AJ-HDX900** is a professional tape-based DVCPRO HD camera designed for a wide variety of applications, including news, documentary, and dramatic television/cinema.

The 1-megapixel 3CCD system provides pristine images while performing exceptionally well in low-light situations. This professional camcorder has the ability to capture both 1080i and 720p, which means that no project is out of reach.

DVCPRO HD Codec

Thanks to a low compression ratio at a bit rate of 100 Mbps (1080/59.94i, 720/59.94p) along with the easy-to-edit intraframe compression system, DVCPRO HD is suitable for recording fast-moving subjects with no motion artifacts whatsoever, making it ideal for slow-motion capture. The 4:2:2 sampling rate minimizes jaggies at chroma edges and is advantageous in image compositing. Sound quality is excellent as well, thanks to uncompressed 16-bit, 4-channel digital audio recording capability.

Professional Camera Features

The camera features almost every conceivable input, including HD-SDI. Serial Digital Interface (SDI) allows users to output and view digital video without any digital to analog conversion. This can be used for both recording and display purposes, providing the highest quality signal possible. The standard 2/3" bayonet mount allows cinematographers to change lenses depending on budget and application.

Advanced Digital Signal Processor

The AG-HDX900's advanced digital signal processor uses 14-bit A/D conversion and 19-bit inner processing to attain unprecedented accuracy. With performance equivalent to processors used in many higher-end HD cameras, the AG-HDX900 delivers beautiful images in 1080i and 720p video formats.

Filmlike Gamma Curve

Panasonic included a gamma curve that further emulates the gamma look of film, making the camera ideal for dramatic and documentary work.

Digital Super Gain

The camera has the ability to function at incredibly high gain levels without compromising image quality, up to 62 dB.

Signal System	1080/60i, 30p, 24p 1080/50i, 25p 720/60p, 30p, 24p 720/50p, 25p<
Image Device	2/3" 3CCD
Lens	None
Signal-to-Noise Ratio	54dB

Horizontal Resolution	700 TV Lines
Sensitivity	F10 at 2000 lux
Minimum Illumination	0.032 Lux @ 36dB, 20dB, 6dB
Vertical Smear	<i>Not Specified By Manufacturer</i>
Built-in Filters	CC: Cross, 3200K, 4300K, 6300K ND: Clear, 1/4, 1/16, 1/64
LCD Monitor	No
Viewfinder	20-Pin, B/W, NTSC/PAL Switchable 1
Scan Matching	Yes Different Ranges for Different Record Modes
Memory Card Slot	SD Memory Cards for Scene-File Sharing
Shutter Speed Range	1/60 (50Hz), 1/100 (59.94Hz), 1/120, 1/250, 1/500, 1/1000, 1/2000 sec and HALF
Gain Selection	0-18dB Range
VTR	
Tape Format	<i>Not Applicable</i>
Tape Speed	60i: 67.640 mm/s 50i: 67.708 mm/s
Signal-to-Noise Ratio	<i>Not Specified By Manufacturer</i>
Maximum Recording Time	33 min
Audio	
Audio Dynamic Range	85dB
Audio Signal Format	16 bit/48kHz Four Channels
Audio Frequency Response	20Hz to 20kHz
Signal to Noise Ratio	<i>Not Specified By Manufacturer</i>
General	
Input and Output Connectors	Composite: BNC (x1 Output) Component: D4 Terminal (x1 Output) SDI/HD-SDI: BNC (x1 Output) Timecode: BNC (x1 Input, x1 Output) FireWire: 6-Pin DC Power: XLR (x1 Input, x1 Output) Remote: 10-Pin Lens: 12-Pin EVF: 20-Pin USB 2.0: 4-Pin (Type-B) Microphone: XLRx2 (x1 Input) Analog Audio: XLRx2 (x1 Input) Line Out: Pin Jack Headphone: 3.5mm Stereo Mini Jack Wireless: 25pin D-Sub
Power Requirements	12VDC (11 - 17V)
Power Consumption	36W
Operating Temperature	32 - 104°F (0 - 40°C)
Dimensions (WxHxD)	5.1 x 10.7 x 13" (12.9 x 27.1 x 32.9cm)

Weight

Body Only: 9.9 lb (4.5kg)

During Operation: 16.7 lb (7.6kg)
