

High Definition's Highest Expression.



Whether you're a broadcast ENG producer, documentary, feature or commercial videographer, the XL H1 is the affordable, lightweight HD camcorder you've been waiting for. Its Superior Canon Optics and exceptional image processing give you a brilliant HD image.

For pristine image quality, the XL H1 features uncompressed digital HD-SDI output (SMPTE 292M), as well as Gen-lock input and SMPTE time code input and output for multi-camera shoots. And, with its customizable open-architecture approach, selectable frame rates, and multiple output options, you've got exactly the right tool — every time.

Like all of Canon's 3CCD camcorders, the XL H1 includes image control features, customizable settings and a well-balanced design — for the creative control, flexibility and advanced capability your video work demands.

HD RESOLUTION WITH ADJUSTABLE FRAME RATES

The XL H1 delivers HD at 1080i, along with selectable frame rates of 60i, 30F, and 24F. For high-speed subjects, 30F delivers spectacular clarity, while 24F gives the look and motion of film.



PROFESSIONAL JACKPACK

For the professional videographer, the XL H1 gives you the capabilities you need — no matter what the job, no matter what the facilities. Multi-camera shoots are no problem using Gen-lock synchronization or SMPTE time code input and output. Also provided is uncompressed digital HD and digital SD through an SDI output. The XL H1's professional JackPack brings together all these capabilities and lets you quickly and conveniently make the connection you need.



TOTAL CINE CONTROL

With the XL H1, you get total control over the cine look of your video by fine-tuning a number of variables: 3 color matrixes, 2 cine gammas and adjustable: knee, black stretch, setup level, master pedestal, horizontal detail, coring, sharpness, noise reduction, color gain, hue, and master color adjustments. With the XL H1's enhanced cine control, you have even more creative and technical options.

20x HD VIDEO LENS WITH SUPERIOR CANON OPTICS

Featuring Canon's XL lens mount, the XL H1's 20x HD video lens gives you outstanding resolution, contrast, and color reproduction. What's more, the 38.9 – 778mm (in 35mm photography) lens is coupled with Canon's superb Super Range Optical Image Stabilization (OIS) system. The sophisticated stabilization system corrects camera shake instantly for steady shots — even when they're hand held at long focal lengths or taken with the camera in motion.



STILL IMAGE RECORDING

In addition to all of the features and capabilities you'd expect from a Canon HD camcorder, the XL H1 also gives you the flexibility to record still images. The images can be captured at full HD resolution (1920 x 1080), with all the custom settings. With many pre and post production, storyboarding, and continuity applications, still image recording is just another way the XL H1 delivers versatility.

For more details please visit
www.canondv.com

MAIN FEATURE LIST

HD RESOLUTION WITH ADJUSTABLE FRAME RATES

- 1080i
- 60i, 30F, 24F

PROFESSIONAL JACKPACK

- HD-SDI & SD-SDI (out)
- Gen-lock (in)
- SMPTE Time Code (in/out)

20x HD VIDEO LENS WITH SUPERIOR CANON OPTICS

- 38.9 – 778mm (in 35mm photography)
- Super-Range Optical Image Stabilizer (featuring Canon's Vari-Angle Prism)
- Focus and Zoom Presets
- Built-in Neutral Density Filters (1/6, 1/32)

IMAGE SENSORS

- 3 – 1/3", 16:9 CCDs
- 1.67M pixels each (1440 x 1080 effective)

TOTAL CINE CONTROL

- 2 cine gammas
- 3 color matrixes
- Adjustable: knee, black stretch, horizontal detail, coring, sharpness, noise reduction, color gain, hue, and master color adjustments (R, G, B, R-G, R-B, G-R, G-B, B-R, B-G)
- H Detail Frequency (H/M/L), H/V Detail Balance (+9/-9)

DIGIC DV II IMAGE PROCESSOR

- HD DSP for video and stills

STILL IMAGE RECORDING / SD CARD SLOT

- 1920 x 1080 pixels (Up to 5 fps)

ELECTRONIC VIEWFINDER

- 2.4", 16:9 Combination EVF/LCD
- Safe Area Marking
- Aspect Ratio Guides
- B/W mode
- Zebra Pattern (70 – 100 IRE)
- H/V EVF flip
- Focus Help (Peaking, Magnifying)
- Distance Readout System (feet/meters, using 20x HD Video Lens)

CUSTOM PRESETS (6) AND CUSTOM KEYS (2)

FLANGE BACK ADJUSTMENT (AUTO/MANUAL)

SMPTC COLOR BARS (WITH 1 KHZ REFERENCE TONE)

CLEAR SCAN

SKIN DETAIL

AUDIO

- 4 Channel Recording with Independent Level Controls
- DV (Locked/Unlocked)

CONNECTIONS

- 2 XLR (line/mic level) inputs with phantom power (+48V)
- BNC Video
- Component Video
- S-Video
- Composite Video
- IEEE1394
- Mic terminal (3.5mm)
- Headphone terminal (3.5mm)
- LANC terminal

CUSTOMIZED 60i/50i VIDEO MODE (OPTIONAL)

- Customize your XL H1 to record in both NTSC and PAL.
This optional upgrade must be performed by a Canon Service Center.



HDV™
HDV 1080i

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