

Professional 1080i HD production  
with XL versatility.



### Key Selling Features

- Professional versatility for 1080i HD
- HD-SDI out, Gen lock in, Time code in/out
- 20x HD VIDEO lens
- High resolution 1/3" 1.67 Megapixel 3CCDs
- DIGIC DV II processor
- Full CINE and image control
- 4 channel audio line-in
- 60i/30f/24f (option)
- CONSOLE software (option)

### Professional versatility

The XL H1 supports HDV and HD production at 1080i, DV production with SD and offers professional versatility with a range of production options and frame rates (50i and 25f).

### Studio integration

With built-in high quality HD-SDI output, Gen lock input and Time code input/output, the XL H1 can be integrated into a professional studio environment and used as part of a multi camera shoot.

### New precision lens for HD quality

Specially developed for HD quality, a new 38.9-778mm (in 35mm photography) 20x HD VIDEO lens features a Fluorite element to correct chromatic aberrations and a Vari-angle Prism Optical Image Stabilizer (VAP OIS). New multi-coating (SR coating) dramatically reduces ghosting and flare. The XL H1 inherits the revolutionary XL interchangeable lens mount system and has a preset function with new memory backup that remembers focus and zoom points even when a lens has been detached.

### Highest resolution for HDV\*

With 1/3" 1.67 Megapixel 3CCD and new DIGIC DV II processor, the XL H1 boasts the highest resolution in the HDV class\*. In conjunction with the 20x HD VIDEO lens, the XL H1 delivers outstanding true-to-life video. \*As of September 15, 2005.

### Boosted digital cinema functions

Total CINE control includes new Gamma and Colour Matrix settings that are suited to direct transfer, by matching the characteristics of film.

### Full control over images

The XL H1 features an expanded range of precise advanced image control functions, full manual shooting controls and Focus Assist (Magnifying, Peaking). Custom presets can be stored to SD/MMC card.

### High quality audio

The XL H1 features 4 channel recording with XLR audio line level input support and Audio Lock (DV only) for the synchronisation of audio and footage.

### Customised 60i/30f/24f video (optional)

The XL H1 can be purchased with both PAL and NTSC shooting modes directly from Canon, making a full range of video capture options including 50i, 60i, 25f, 30f, and 24f available to users.



### New 'CONSOLE' image control and storage software (optional)

New CONSOLE software for PC allows remote control of the XL H1 and manages the recording and playback of HDV and DV data.

## XL H1 Specifications

Camera			
Image sensing device	Image size		1/3-inch CCD
	System		3-CCD horizontal pixel shift
	Total pixels		1.67 megapixels per CCD
	Number of effective pixels (per CCD)		HD: Approx. 1.56 megapixels SD/4:3: Approx. 1.17 megapixels SD/16:9: Approx. 1.56 megapixels
Lens	Optical zoom magnification		20x HD VIDEO Lens
	Focal length		5.4 - 108mm
	f-number		f/1.6 - 3.5
	Aperture leaves (Number of leaves)		6 leaves, iris diaphragm
	Zoom speed	Handle zoom	Fixed speed (16 speed level settings available)
		Grip zoom	Variable speed/Fixed speed (16 speed level settings available)
Filter diameter		72mm	
Minimum illumination	Auto mode (when i is selected)		Approx. 6 lux (shutter speed 1/50, Gain 18dB)
	Manual mode GAIN 18 dB, f1.6, i is selected		Approx. 0.4 lux (shutter speed 1/3)
Image stabilizer	Image stabilization system		Optical Image Stabilization (when HD 20x zoom XL5.4-108mm L IS II is installed, VAP compensation system is used)
	Sensing method		Angle detection and movement vector detection
Shooting functions			
AE mode	AE mode		Auto mode, Tv mode, Av mode, Manual mode, Spotlight mode, Night mode, Full Auto mode
Photometry system	Centre weighted average		Full Auto mode, Auto mode, Night mode, Tv mode, Av mode and Manual mode
	Evaluative photometry (128-segments)		Spotlight mode
Exposure adjustment	AE lock		Included. EXP. LOCK button operation (Auto mode, TV mode, AV mode only)
	AE shift		Included. AE SHIFT dial operation ( $\pm 2$ levels) (Auto mode, TV mode, AV mode only)
	Gain setting		Auto/Gain select (-3, 0, +3, +6, +12, +18 dB) Set to Auto in Full Auto and Night mode, Spotlight mode is fixed at 0 dB.
Frame rate setting			i - 50i recording, F1/F2 - 25F recording
Shutter speed (Tape recording)	Shutter speed setting (at TV priority)		13 levels (1/3, 1/6, 1/12, 1/25, 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 sec)
	In Auto mode	i is selected F1 is selected	1/50 to 1/500 sec 1/25 to 1/500 sec
	Night mode	i is selected F1 is selected	1/3 to 1/500 sec 1/3 to 1/500 sec
Aperture value (HD 20x zoom ): AV priority			f/1.6, 2.0, 2.8, 4.0, 5.6, 8.0, 9.5, CLOSE
Image quality adjustment	Skin setting		The skin detail setting can be made after making the hue adjustment, chroma adjustment, area adjustment, and Y level adjustment.
	Custom preset		Gamma adjustment, knee adjustment, black adjustment, master pedestal adjustment, setup level adjustment, sharpness adjustment, H detail adjustment, H/V balance adjustment, coring adjustment, NR (1/2) adjustment, colour matrix adjustment, colour gain adjustment, hue adjustment, RGB gain independent adjustment, matrix adjustment (6-axis adjustment)
White balance	Auto		Yes
	Preset/Set		Outdoor (5600 K), Indoor (3200 K), Set (2 available), Colour temperature setting
	System		TTL, 128 segments

Focus	Mode	AF, MF, One-push AF, Preset focus (HD 20x zoom installed)
	MF operation	Focus ring operation
Time code	Countup system	Rec Run, free run, Recrun Preset, hold
	Start value setting	"00:00:00:00", Set, Reset selectable
Digital fade		Yes (White, black fader)
Still image recording		Yes (1920 x 1080)
Zebra pattern		Yes (Level adjustment: selectable from 70%, 75%, 80%, 85%, 90%, 95%, and 100%)
Colour bar		Yes
Clear scan		Yes
Memory card		Yes
REC review		Yes
Standby switch		Yes
Power save (after recording is paused for 3 minutes)		Yes
Audio		DV recording: 16-bit 2ch (48 kHz), 12-bit 4ch (32 kHz) 4-channel synchronous recording is possible HDV recording: 2ch recording/MPEG1 Audio layer II, 4ch recording/MPEG2 Audio layer II
Wind screen		Yes (ON/OFF)
LCD monitor	Size	2.4-inch (Wide type)
	Pixels	215,000 pixels
	Image quality adjustment	Yes (Brightness, Contrast, Colour, Sharpness Adjustment, Black and White supported)
	Movable	Yes. Front and back, and side to side adjustment
<b>VCR</b>		
Playback system	Frame playback	DV recording: Forward/Reverse, HDV recording: Forward only
	Slow playback ( $\pm 1/3$ , $\pm 1/10$ x speed)	DV recording: Forward/Reverse, HDV recording: Forward only
	2x speed playback	DV recording: Forward/Reverse, HDV recording: Forward/Reverse (speed is 1x speed)
	1x speed playback	DV/HDV recording: Forward/Reverse,
	Cue/Review	DV recording: 11.5x speed, HDV recording: 8x speed
Search	Date search	Yes
	Index search	Yes
	End search	Yes
Data code display		Date and time display, Shooting data
Zero set memory		Yes
<b>System</b>		
Interface (jacks)	Microphone input jack	Front microphone jack (with 5 V DC jack), rear microphone jack (XLR jack supporting phantom power supply: 2 systems), accessory shoe jack (supporting Microphone Adapter MA-300)
	Headphone output	3.5 mm mini jack
	HDV/DV terminal	Input/Output
	Video jacks	S jack (input/output), BNC jack (input/output), HD/SD-SDI jack (output only), component jack (output only)
	AV terminal	RCA pin (V: input/output, A: input/output 2 systems)
	Editing jack	Yes (LANC)
	Time code jack	Yes (Input, output: 1 system each)
	GENLOCK terminal	Yes (Input only)
Memory card terminal	Yes	
EVF jack	Colour/Black and white viewfinder: 1 system each	
Analogue signal $\Rightarrow$ DV signal conversion		Yes
Microphone attenuation		Yes (Only microphones connected to the front microphone and rear XLR jacks)
Microphone level meter		Yes
World clock		Yes

Tally lamp	Yes
Remote control sensor	Supporting  1,  2
Accessory shoe	Supporting Microphone Adapter MA-300, EOS flash
Custom key	Yes (2 available)
DV control	Yes
Backup power supply	Lithium coin battery (built-in)
Battery pack power	BP-930, BP-945, BP-950G, BP-970G lithium-ion battery

- All data based on Canon's Standard Test Method.
- Specifications subject to change without notice.