Canon

PROFESSIONAL CAMCORDERS

PRODUCT GUIDE



Image. Flexibility. Control.

Canon professional camcorders deliver performance where it counts—in the field, in the studio, wherever and whenever the solution requires maximum image quality and creative control. Embodying decades of Canon leadership and know-how in the design and manufacture of cameras and lenses, Canon pro camcorders provide not only outstanding HD and SD capture quality but also the operability, flexibility, reliability and connectivity that professionals demand. You won't find more capable tools for the capture of creative, powerful video content. Put them to work.





XLH1a

Canon Technologies Raise the Standard of Image Quality.





Genuine Canon Video Lens





Image quality starts with optics, and only Canon professional camcorders deliver the many benefits of Canon's worldrenowned lens technologies. Genuine Canon Professional L-series camcorder lenses incorporate Fluorite and Ultra-Low-Dispersion elements plus SR multi-coating to ensure outstanding resolution and contrast with minimal chromatic aberration. The choice of professionals the world over, Canon L-series lenses deliver a level of image quality throughout the entire zoom range unmatched by conventional optics. The standard 20x zoom covers an exceptionally wide and useful range of focal lengths, perfect for a wide range of shooting situations.

Fast, Responsive Zoom Control

With an ergonomically designed ring shape and increased speed, the zoom control on Canon professional camcorders starts and stops with exceptional smoothness and provides a comprehensive array of options. The zoom can be controlled in 3 different



ways—the lens zoom ring, grip zoom lever or handle zoom lever (for low-angle shots). Select from among 3 basic zoom speed ranges and fine-tune the zooming with 16 levels of speed control. With the Genuine Canon 20x HD Video

Zoom Lens, zooms from wide to tele range can be varied in speed from 5 minutes to an astounding 1.2 seconds at the fastest setting. Variable zoom speed operation with 16 levels of speed control is also possible through the pressure-sensitive zoom lever

SLOW	Approx. 4.3 sec. (speed: 16x) to approx. 5 min. (speed: 1x)
NORMAL	Approx. 2.0 sec. (speed: 16x) to approx. 3 min. (speed: 1x)
FAST	Approx. 1.2 sec. (speed: 16x) to approx. 60 sec. (speed: 1x)

Zoom speed can be set to NORMAL, SLOW or FAST via C.Fn-02

(rocker). Or choose from one of the 16 levels and preset it to perform constant pace zooms. Starting and stopping of zoom movement is always ramped to avoid "zoom shock" and provide more natural, pleasing look to your footage.

Precise. Flexible Focus Control

HD capture demands precise focus. The highly responsive, independently functioning focus ring (with selectable operational direction) enables the videographer to focus manually even while zooming—in both Manual Focus and AF modes. There are 4 selectable preset focus speeds along with 3 sensitivity settings for the focus ring, making it possible to fine-adjust



desired. Push AF control enables temporary manual override to quickly find critical focus, while a Focus Limit function can be

responsiveness as

engaged to limit the focusing range of the lens, for example, for macro shooting. **Dedicated Peaking and Magnifying controls** are available to further assist in focusing.

For Peaking, frequency (edge thickness) and gain (edge density) levels are adjustable. 2 settings can be stored and recalled quickly with a touch of a button. Furthermore, by using the included external component video monitor cable, the operator can also use peaking and magnifying controls to check manual focus on a larger screen, instead of viewing the image through the viewfinder.

Canon Interchangeable XL Lens Mount

The XL H1S and XL H1A feature the XL mount system that boosts shooting range and flexibility through the use of optional interchangeable lenses. The wide-angle Canon 6x HD Video Zoom XL 3.4–20.4mm L lens (equivalent to 24.5-147mm in 35mm still photography), for example, is ideal for applications requiring a wider field-of-view. This L-series lens incorporates legendary Canon optical superiority and captures



Canon 6x HD Video Zoom XL 3.4–20.4mm L lens

images with exceptional color and resolution, providing full HD clarity and detail. The XL lens mount also enables the use of the Extender XL 1.6x, which increases the focal length by 1.6x. Moreover, the EF Adapter XL enables users to attach a wide array of superb Canon EF lenses (L-series lenses recommended), designed for the renowned EOS SLR photography system, for specialized image capture.





EF Adapter XL

SuperRange Optical Image Stabilizer

Proven Canon Optical Image Stabilizer technology ensures steadier images. The system uses a gyro sensor to detect camera movement and activate a



Ontical Image



1.67 million (1440 x 1080) per sensor ensures detailed HD capture (equal to about 800 TV lines of horizontal resolution). Color is rendered with exceptional accuracy with wide dynamic range and virtually no chroma noise.

focal lengths. Three 1/3" Native 16:9 **3** CCDs (1440 x 1080)

Vari-Angle Prism to continuously compen-

sate for shake and jitter. The Canon 20x

HD Video Zoom Lens, moreover, effectively

corrects over a wide vibration range

through the use of the latest Canon

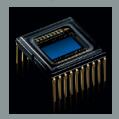
SuperRange Optical Image Stabilizer

technology. It further improves low-frequency

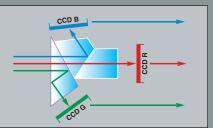
vibration detection by analyzing the image

at the CCD sensor. The result is extraordinary

camera shake correction, even at long



A sophisticated 3CCD design employs separate native 16:9 sensors for each primary color. The high pixel count -approximately



DIGIC DV II **Image Processor**



Engineered and manufactured exclusively by Canon, specifically for HD, the 🚺 latest-generation

DIGIC DV II Image Processor uses proprietary algorithms and architectures to deliver optimal image quality. The DIGIC DV II Image Processor is optimized for HD video, operating at 1440 x 1080 pixels with 4:2:2 color sampling. Color reproduction is remarkably natural, especially in skin tone areas and with dark and light scenes. A hybrid noise reduction system employs dual processes to ensure brilliantly clear HD images.



Sophisticated Audio Control

Canon professional camcorders provide the videographer with advanced control over all aspects of audio during recording. The cameras are equipped with 2 XLR inputs

with individual sensitivity settings. Sensitivity for the XLR line input in manual mode has been increased. and the audio line output level can be switched between 1 Vrms and 2 Vrms at full scale for wider compatibility

in post-production environments. Maximum audio output is +6 dBV with audio recorded at the standard +4 dBu input setting. XLR and microphone sensitivity selections include +12 dB, +6 dB, 0 dB, -6 dB and -12 dB. 2-channel recording is possible via simultaneous use of the supplied microphone and the XLR inputs. Automatic level control settings for the XLR inputs provide the choice of linked or independent 2-channel operation. The camcorder is also equipped with a 3.5mm stereo mini-jack for a camera microphone and a rugged headphone

Audio and Connections (XL H1S / XL H1A)

terminal with level control. Additional audio controls include an audio limiter function (in manual recording mode) to prevent distortion caused by sudden loud sounds, a 1 kHz Reference Tone (selectable to



XLR input sensitivity can be set for

Sensitivity for the XLR line has been increased; output

at a maximum +6 dBV is

standard +4 dBu

2 built-in XLR terminals allow for

Component output termina

2 Channel Recording via supplied microphone and XLR inputs



Channel 1/2 individually -12 dB, -18 dB or -20 dB) and monitor output

HD-SDI, Genlock and Time **Code Connection Terminals** (XL H1S and XH G1S only)

selections of LR/LL/RR/monaural.

The XL H1S and XH G1S are ready for any professional application with HD-SDI, Genlock and Time Code Connections (BNC). SDI outputs conform to industry standards HD-SDI (SMPTE 299M) or SD-SDI (SMPTE 272M). Audio and Time Code are both embedded. The HD-SDI output provides an uncompressed 1.485 Gbps 60i signal at 1920 x 1080 resolution with 4:2:2 color sampling. The 4:2:2 color space ensures better color accuracy for compositing or "green screen" work, and because a single industry standard connection carries video, audio and SMPTE (LTC) Time Code, cable complexity is significantly reduced. This enables longer cable runs, improves the operator's mobility and simplifies the cabling process. Genlock input enables synchronization of multiple cameras, whether in a live-switched production environment in the studio or on location. When shooting HD, it can accept either an SD (blackburst) or HD (tri-level) sync signal. Additionally, the camcorders feature SMPTE Time Code Input

and Output terminals to better accommodate time code requirements in multi-camera shoots or when synching with other devices. The XH G1S also features down information. Added to the video outputted through HD-SDI, which normally outputs 60i,



flags for 24F 2:3 pull-BNC style HD-SDI, Genlock, Time Code input and output terminals (XH G1S) 6-pin IEEE1394 S-Video input/outterminal for HDV/DV put; composite video: audio input/output (RCA) 2-channel recording via simultaneo use of the supplied microphone and BNC HD-SDI. Genlock, Time Code input and output on XL H1S)

these reference markers ensure that the extra frames removed can be located by compatible hardware or software. Using flags ensures that the cadence of the 24F video is accurate for professional editing.

Superior Connectivity

Additional standard connectors include a resilient 6-pin IEEE 1394 terminal, which provides a robust connection to external hardware. Also provided are component analog video output (1080/60i or



480/60i connection), S-Video input/output, composite video output and LANC terminal. Canon professional camcorders are also equipped with flash accessory shoes for use with Canon EXseries Speedlites.

Unrivaled Customization Capability

These camcorders provide an extraordinary range of user customization options, making them unmatched in versatility and flexibility. 23 image adjustments, 22 display options (with 40 sub-items) and 21 custom function settings (with 33 sub-items) can be used to fine-tune the cameras' performance and operating characteristics for different environments, different users or different jobs. Organizations that use many cameras can take advantage of this feature to easily match up multiple units. Sets of adjustments can be recorded and transferred to ensure superior camera-to-camera uniformity.

Image Enhancements

Videographers can achieve virtually any look desired, thanks to an extensive range of independent adjustments.

Gamma: The NORMAL gamma curve is ideal for viewing footage on TV monitors. The camcorders also offer CINE 1 to create images with the quality and appearance of film for TV viewing. For images that are



intended to be transferred to film, the CINE 2 setting provides an appropriate gamma

Knee: 4 settings (AUTO, HIGH, MIDDLE, LOW) that fine-tune dynamic range (knee point) adjustments in highlight areas control overexposure when shooting high-brightness subjects. HIGH enables high-key shooting, while LOW protects the image from overexposure.

Black: Adjustments to dynamic range in the dark areas of the image are covered with 3 settings (STRETCH, MIDDLE, PRESS). STRETCH expands the range, providing greater shadow detail. PRESS narrows the range, increasing the deep black content of the image.

Master Pedestal: Adjustments in steps from -9 to +9 set the video reference black. Higher values brighten the darker areas of the image to reduce overall contrast.

Setup Level: Black level can be adjusted from -9 to +9.

Sharpness: Control the sharpness of the image in steps from -9 to +9.

Horizontal Detail: High, Middle and Low settings adjust the horizontal detail center frequency.

Horizontal/Vertical Detail Balance:

Settings from -9 to +9 adjust the horizontal/ vertical proportion of the detail correction. Coring: Subtle noise components can be adjusted in steps from -9 to +9.

Noise Reduction 1/Noise Reduction 2:

With Off, High, Middle and Low options for each, these settings deliver a variety of noise reduction methods and levels to assure the best image quality across numerous shooting situations.

Color Matrix: Correct color matrices are provided for NORMAL (images to be viewed on a TV monitor), CINE 1 (images with the quality and appearance of film as viewed on TV) and CINE 2 (images intended to be transferred to film).

Color Gain/Hue: Color Gain and Hue are adjustable from -50 to +50 and -9 to +9respectively.



Master Red. Blue and Green Gain: Each setting is independently adjustable from -50 to +50 to provide precise control over color balance.

6 Color Matrixes: By altering 2 of the 3 primary colors, color matrixes including RG, RB, GR, GB, BR and BG (each independently adjustable from -50 to +50) provide extremely fine color control.

Custom Display Adjustments

The operating menu on Canon professional camcorders can be customized to suit individual user preferences, maximizing convenience and efficiency.

Custom Function No.	Description
C.Fn-00	Recording Mode Icon
C.Fn-01	Camera Data 1 (F/stop and Shutter Speed)
C.Fn-02	Camera Data 2 (Exposure, White Balance, Gain)
C.Fn-03	Zoom Indicator
C.Fn-04	Focus Distance Display
C.Fn-05	ND Filter Displays
C.Fn-06	Image Effects
C.Fn-07	Focusing Assist Functions (Peaking and Magnification)
C.Fn-08	Customized Functions (Custom Function and Custom Preset)
C.Fn-09	Video Recording Standard Definition
C.Fn-10	DV Recording Mode
C.Fn-11	Frame Rate Display
C.Fn-12	Tape-Related Icons and Displays (Operation Mode, Time Code, DV Control)
C.Fn-13	Remaining Time on the Tape (Normal, Warning, Off)
C.Fn-14	Tape/Card-Related Displays (Ext. Control, Image Stabilization, Image Size/Quality)
C.Fn-15	Light Metering-Related Displays (Spot AE Point and Light Metering)
C.Fn-16	Still Images-Related Icons (Drive Mode, Flash)
C.Fn-17	Remaining Still Images on the Memory Card (Normal and Warning)
C.Fn-18	Audio-Related Displays (Mic Mode, XLR and DV Audio)
C.Fn-19	Condensation Warning Icon
C.Fn-20	Battery-Related Displays (Off, Normal, Warning)
C.Fn-21	Wireless Remote Display (Off, Normal, Warning)

Custom Functions for XI H1S and XI H1A

	HOLIOHO TOT XE	. NIS ANU AL NIA
Custom Function No.	Function	Description
C.Fn-00	Shockless WB/Gain	Softens transitions when changing white balance or gain
C.Fn-01	Zoom Ring Control	Changes Zoom Ring responsiveness
C.Fn-02	Zoom Speed	Changes Zoom key speed
C.Fn-03	Focus Ring Control	Sets the sensitivity of the Focus Ring control
C.Fn-04	Buttons OPER.1	Changes the responsiveness of the buttons (Magnification and White Balance Set)
C.Fn-05	Buttons OPER.2	Changes the responsiveness of the buttons (Record Review, Bars, Fade, End Search, and Gain Set)
C.Fn-06	Rings Direction	The directional response of the Zoom, Focus, and Iris rings can be set
C.Fn-07	OPER. Direction	Changes the operation of the cursor and shutter
C.Fn-08	Iris Limit	Sets the diffraction limit (On/Off)
C.Fn-09	Photo Button	Selects function for Photo + CP Data, Photo, Magnifying and OFF
C.Fn-10	Marker Level	Intensity level of the frame overlays and markers on screen can be set—40% (gray) or 100% (white)
C.Fn-11	Focus Assist B/W Mode	Selects whether to change the display to black-and-white when Focus Assist is activated
C.Fn-12	Object Distance Units Display	Selects whether distance to object is displayed in feet or meters
C.Fn-13	Zoom Indicator	Selects whether the zoom indicator is a graphic bar or a numeric display
C.Fn-14	Color Bars	Selects EBU SD (Type 1) or ARIB Multiformat HDTV (Type 2) color bars
C.Fn-15	1kHz Tone	Selects the level of the reference audio tone—OFF, -12 dB, or -20 dB
C.Fn-16	Wireless Remote	Selects whether or not the camcorder will respond to wireless controller commands
C.Fn-17	LANC AE Shift	Exposure control selection using Canon ZR-2000 Zoom Remote Controller
C.Fn-18	Tally Lamp	Controls the function of the Tally Lamp—ON, Blink, or OFF by wireless control
C.Fn-19	LED	Selects whether and which set of LED indicators on the camcorder will be active.
C.Fn-20	Custom REC	Sets custom recording mode for character record and magnifying

Custom Functions

Camcorder operation can be further finetuned through the use of Custom Functions. With a wide array of customizable options, camera functions can be optimized to maximize shooting efficiency and uniformity of capture.

Custom Presets

Store up to 9 custom presets (sets of custom image adjustments) for instant access as needed. Custom presets can be stored on memory cards (SD/SDHC or MMC) —along with custom functions, display settings and photos—and shared with other Canon professional camcorders. This feature can be used to ensure uniform camera setup across multiple camcorders. The 3 custom preset channels (CP7-CP9) are presets designed by Canon and factory-loaded: CP7 optimizes images for viewing on consumer-use TV monitors by minimizing noise in dark areas and improving contrast; CP8 settings yield movie-like images when viewed on TV; CP9 settings are ideal for images that will be turned into film. Each of these channels can be reset as desired.

Custom Presets Adjustable Items	
Gamma Curve*	Color Gain
Knee Point Adjustment	Color Phase
Black Stretch/Black Press	R Gain
Master Pedestal*	G Gain
Setup Level*	B Gain
Sharpness	R-G Matrix
Horizontal Detail Frequency	R-B Matrix
Horizontal/Vertical Detail Balance	G-R Matrix
Coring	G-B Matrix
Noise Reduction 1*	B-R Matrix

B-G Matrix

Frame Rates

Noise Reduction 2*

Color Matrix*

Shoot using any combination of frame rates in **1080 HD** or **SD** (16:9 or 4:3 aspect ratio) formats. Selectable frame rates include 60i. **30F** or **24F** as well as an optional upgrade to add 50i/25F frame rates (performed by a Canon Factory Service Center).

Operational and Image Enhancement Control

Canon professional camcorders incorporate numerous features that deliver superb control over operation and image enhancement. **Skin Tone Detail:** This feature minimizes imperfections in skin areas without removing other details. Fine adjustments in Hue,

Custom Functions for XH G1S and XH A1S

Custom Function No.	Function	Description
C.Fn-00	Shockless WB/Gain	Softens transitions when changing white balance or gain
C.Fn-01	AE Response	Adjusts response levels when exposure changes
C.Fn-02	Zoom Ring Control	Changes Zoom Ring responsiveness
C.Fn-03	Zoom Speed	Changes Zoom key speed
C.Fn-04	Focus Ring Control	Sets the sensitivity of the Focus Ring control
C.Fn-05	Buttons OPER.1	Changes the responsiveness of the buttons (Magnification and White Balance Set)
C.Fn-06	Buttons OPER.2	Changes the responsiveness of the buttons (Record Review, Bars, Fade, End Search, and Gain Set)
C.Fn-07	Rings Direction	The directional response of the Zoom, Focus, and Iris rings can be set
C.Fn-08	OPER. Direction	Changes the operation of the cursor and shutter
C.Fn-09	Iris Limit	Sets the diffraction limit (On/Off)
C.Fn-10	Photo Button	Selects function for Photo + CP Data, Photo, Magnifying and OFF
C.Fn-11	Marker Level	Intensity level of the frame overlays and markers on screen can be set—40 (gray) or 100% (white)
C.Fn-12	Focus Assist B/W Mode	Selects whether to change the display to black-and-white when Focus Assist is activated
C.Fn-13	Object Distance Units Display	Selects whether distance to object is displayed in feet or meters
C.Fn-14	Zoom Indicator	Selects whether the zoom indicator is a graphic bar or a numeric display
C.Fn-15	Color Bars	Selects EBU SD (Type 1) or ARIB Multiformat HDTV (Type 2) color bars
C.Fn-16	1kHz Tone	Selects the level of the reference audio tone—OFF, -12 dB, or -20 dB
C.Fn-17	LANC AE Shift	Exposure control selection using Canon ZR-2000 Zoom Remote Controller
C.Fn-18	Tally Lamp	Controls the function of the Tally Lamp—ON, Blink, or OFF by wireless control
C.Fn-19	LED	Selects whether and which set of LED indicators on the camcorder will be active.
C.Fn-20	Custom REC	Sets custom recording mode for character record and magnifying

Chroma, Area and Y level, plus a level adjustment for softening skin tones, enable the operator to achieve the most natural results. Iris: The Iris Limit function can be set from OFF to f/9.5. With the Canon 20x HD Video Zoom Lens, the multi-level iris control becomes available beyond the iris diffraction f-number (f/9.5) all the way up to closed (Iris Limit set to OFF). It can also be controlled using LANC with the optional Canon ZR-2000.

ues can be fine-

increments from

0 to +18 dB.

enabling the

mize sensitivity

when shooting

in low light.

Additionally.

-3 dB and +36 dB





settings are available. The gain limit can also be set during AGC, so that levels can be judiciously adjusted, for example, when shooting in the dark. While selecting a WB or Gain setting, a new function ensures shockless transitions.

Color Correction: Color Correction enables the user to control R or B gain (-6 to +6) in 16 areas as well as selected colors set at the Hue, Chroma, Area, Y level while shooting. Selective Noise Reduction lets the user apply noise reduction to targeted color areas. The Menu selection bar uses numbers to simplify EVF Setup, Skin Detail and Color Correction.

White Balance: The camera's high-precision, through-the-lens, 128-segment white balance features an increased adjustment range of 2,000-15,000° Kelvin. White subjects are captured white, even in difficult lighting situations, such as candle light. Several automatic modes also deliver accurate color in a variety of shooting situations. Auto — The camera accurately and automatically adjusts white balance. Outdoor — White balance is adjusted for bright sunlight (5,600° Kelvin). *Indoor* — White balance is optimized for

incandescent lighting (3,200° Kelvin). Color Temperature — White balance can be selected in 100° Kelvin intervals in a range of 2,000-15,000° Kelvin.

Program AE Modes

The camcorder's 7 pre-programmed Auto **Exposure modes** cover a wide variety of shooting situations. Ideal settings produce top-quality results quickly and easily. To simplify operation, Manual Mode is located next to OFF on the Power Dial.

Full Auto: The camera takes over for pointand-shoot simplicity, setting focus, shutter speed, aperture, gain, white balance and AE program shift to achieve ideal results. Auto: This mode offers all the convenience of Easy Recording, but allows the operator the option of manually changing the settings. **Shutter Priority:** The user selects the shutter speed and the camera automatically selects the proper aperture for correct exposure. **Aperture Priority:** The user selects the lens aperture, and the camera automatically sets the proper shutter speed for correct exposure.

Manual: This mode allows the user to select aperture and shutter speed in any combination. The viewfinder indicates the relation of selected combinations to the exposure as metered by the camera.

Spotlight: Perfect for an automatic solution to a typically tricky situation: when the subject is illuminated by a concentrated light source (such as a spotlight) and the background is relatively dark, this mode automatically adjusts exposure to compensate. Night: As ambient light levels begin to fall, the camera uses slower shutter speeds to achieve optimal image quality.

Viewfinder

The XL H1S and XL H1A are equipped with a 2.4-inch widescreen combination EVF/ LCD monitor (approx. 215,000 dots) for a clear, high-resolution image. The XH G1S

and XH A1S provide both an EVF (approx. 269,000 dots) and a separate flip-out 2.8inch LCD monitor (approx. 207,000 dots). Numerous viewing functions are provided to maximize convenience and boost the quality of capture. Aspect guides provide industry-standard picture formats, while Histogram and EXIF displays offer real-time brightness information for highly accurate adjustments. The operator can choose to display up to 8 characters of the Custom Preset name and the SDI bit map display may be turned on or off. All viewfinder display information can be removed to leave a clear, unobstructed viewing area. A Magnifying function (operable with the Photo button) enlarges the viewfinder image, making it easier to perform fine image adjustments. Remaining memory is displayed when using Focus Enhancements External Hard Disk Recorders.

Enhanced Operation

Versatility and convenience are hallmarks of Canon professional camcorders. Still images can be "grabbed" from footage either while shooting or during playback. These images can be saved on the memory card for subsequent transfer. The camera's power LED illuminates green when the camera is powered up and ready. Playback mode preserves the letter-box format, allowing an accurately proportioned view of captured footage. A default write and protect function prevents accidental erasures. Marker colors may be specified at the user's discretion. The camcorders also support 9 languages: German, English, Spanish, French, Italian, Polish, Russian, Chinese (simplified) and Japanese.

High Definition Shoulder-mount HDV Camcorder

CAMCORDERS



Exceptional Image Quality... Definitive Control... **Professional Functionality**

- Genuine Canon 20x High Definition L-series Video Zoom Lens III
- Three 1/3" Native 16:9 CCD Image Sensors with 1.67 Megapixels (1440 x 1080)
- XL H1S only: HD-SDI (SMPTE 299M) /SD-SDI (SMPTE 272M) Output with embedded audio and time code, Genlock Input, SMPTE Time Code Input and Output





- Independent Focus, Zoom and Iris rings
- True 1080 HD Capture with a choice of 60i, 30F Progressive or 24F Progressive frame rates
- Canon DIGIC DV II Image Processor delivers the highest image quality
- Canon Interchangeable XL Lens Mount
- SuperRange Optical Image Stabilizer can correct a wide range of movements without image degradation
- Complete Customization with 23 image adjustments, 22 display options and 21 custom function settings
- 2 Built-in XLR Terminals with independent audio level control

For more than a decade, Canon has brought industry-leading optics and image processing expertise to the professional video market with the XL-series camcorders. Today, leading videographers rely on these remarkable camcorders for superior image quality and ultimate creative control, ensured by advanced Canon technologies and open architecture system design. The latest in that line are the XL H1S and XL H1A HD camcorders. They bring to the XL-series the finest in high-definition capture capability, ensuring that they will continue to be favorites among independent filmmakers, corporate and event shooters and broadcast and news market professionals.















XL H1S/XL H1A Kit Contents



- XL H1S/XL H1A Body
- Genuine Canon 20x HD Video Zoom Lens III
- · Camera Dust Cap
- Lens Hood
- Lens Soft Case (Not Shown) Color Viewfinder
- Compact Power Adapter CA-920*
- DC Coupler DC-920*
- Microphone Unit • External Microphone Holder Adjustment
- HDVM-E63PR Digital Video Cassette
- Battery Pack BP-950G* SD Memory Card SDC-32M
- Shoulder Strap SS-1100
- Component Video Cable DTC-1000* Stereo Video Cable STV-250N*
- External Monitor Cable
- Tripod Adapter Base

Your Vision... in High Definition

- Genuine Canon 20x High Definition L-series Zoom Lens
- Three 1/3" Native 16:9 CCD Image Sensors with 1.67 Megapixels (1440 x 1080)
- XH G1S: HD-SDI (SMPTE 299M) /SD-SDI (SMPTE 272M) Output with embedded audio and time code and 24F 2:3 pulldown flags, Genlock Input, SMPTE Time Code Input/Output
- True 1080 HD Capture with a choice of 60i, 30F Progressive
- or 24F Progressive frame rates
- Canon DIGIC DV II Image Processor delivers the highest image quality
- SuperRange Optical Image Stabilizer can correct a wide range of movements without
- Instant AF dramatically reduces focusing time and increasing accuracy
- Complete Customization with 23 image adjustments, 22 display options and 21 custom function settings
- 2 Built-in XLR Terminals with independent audio level control



External Sensor for

Professionals who require a smaller, lighter weight HD camcorder, but who refuse to sacrifice capability and performance, will find the Canon XH G1S and XH A1S to be ideal solutions. The latest in a family of high quality HDV camcorders, they deliver the advanced features and extraordinary image control capabilities videographers need to make their visions reality in high definition. Even the most demanding users will find uncommon flexibility, versatility and capability in the extensive array of features and optional accessories. They will meet and exceed the highest expectations.











SDI. Genlock.

and output

(available on

terminals

Time Code input



XH G1S/XH A1S Kit Contents

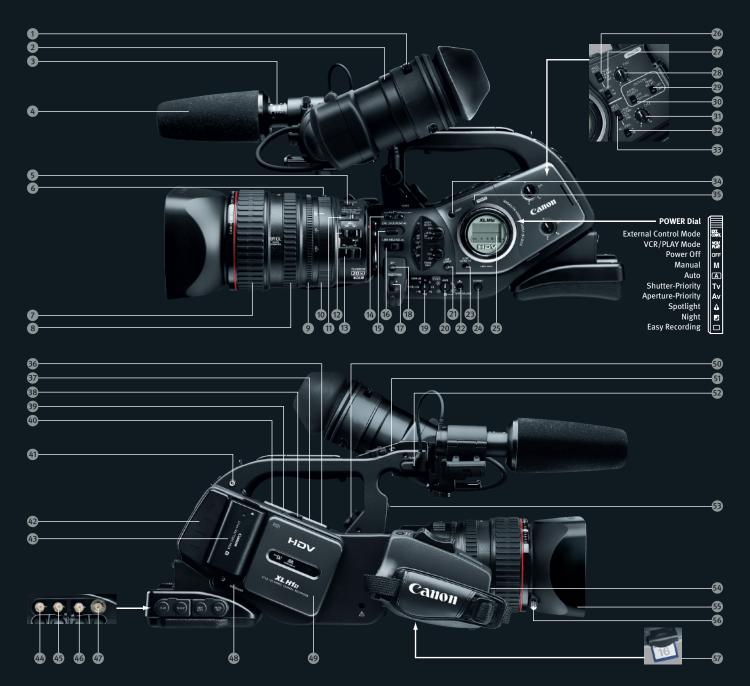


- XH G1S/XH A1S Body
- Lens Hood
- Eyecup
- Compact Power Adapter CA-920
- Power Supply Coupler DC-920
- External microphone holder adjustment
- HDVM-E63PR Digital Video Cassette
- Battery Pack BP-950G
 SD Memory Card SDC-32M
- Wireless Controller WL-D5000
- Shoulder Strap SS-1100
- Component Cable DTC-1000
- Stereo Video Cable STV-290N
- USB Cable IFC-300PCU
- AC CableTripod Adapter Base

* Also available as an optional accessory

Nomenclature for XL H1S / XL H1A





- 1 Dioptric Adjustment Lever
- 2 Color Viewfinder
- Stereo/Mono Microphone Selector
- Microphone
- Stabilizer ON/OFF Switch
- 6 ND Filter Unlock Button
- **7** Focus Ring
- 8 Zoom Ring
- Iris Ring
- MD Filter Operating Ring
- Position Preset Switch
- AF Switch/Position Reset ON/SET Switch **B** Focus Mode Switch
- 4 EVF Peaking/EVF Magnifying Buttons
- 15 Exp. Lock Button
- 16 Lens Release Switch
- Select Dial/Iris Dial 18 Set Button

- 19 Gain Dial
- 40 White Balance Dial
- 21 End Search Button

- 24 Standby Button
- 3 Side Panel
- Input Select Switch
- Rec Level Switch
- 28 AUDIO CH 1 Dial Front Mic ATT. Switch (CH1/CH2)
- 30 XLR Rec CH Select Switch (CH1/CH2)
- **31** AUDIO CH 2 Dial 32 Rec Level Switch
- 3 Input Select Switch
- 3 Light Button
- Power Indicator **30** EVF Display Button

- White Balance

 Button Audio Output CH Button
- 45 TC-OUT Terminal*
- **GENLOCK Terminal***
- 48 Battery Release Button
- Cassette Compartment
- **50** AE Shift Dial
- 3 Tally Lamp; Remote Sensor

- 3 Custom Keys 38 Eject Switch
- 39 Custom Preset ON/OFF Button
- Custom Preset Select Button
- Screw Hole for Adapter Holder
- S-Video Terminal; Composite Video; Audio Terminals (CH1/CH2, RCA)
- Battery Pack
- TC-IN Terminal*
- 47 HD/SD SDI Terminal*
- 1 Lock Switch
- 52 Front MIC Terminals
- Phone Level Dial

54 Remote Sensor

56 Lens Hood Lock Screw

Viewfinder Lock Screw

Memory Card Slot

🗓 Lens Hood

58 Photo Button

6 Hot Shoe

Grip Zoom Lever

Start/Stop Button

63 Start/Stop Button

65 Photo Button

Tally Lamp

66 Remote Sensor

4 Handle Zoom Lever

(19 (Headphone) Terminal (19 Screw Hole for Adapter Holder (Pause) Button/DRIVE MODE Button

- ② (Stop) Button/ ⑤ (Metering Mode) Button
 ③ ◀◀ (Rewind) Button/ CARD Button
 ⑥ ► (Play) Button/SLIDESHOW Button

- (Fast Forward) Button/CARD + Button 76 ● REC (Record) Button

BARSI

- Tye Cup
 Mode Select Switch
- (Record Review) Button
- 80 BARS/FADE Select Button
- **3** BARS/FADE ON/OFF Button
- 82 Menu Button 83 Frame Rate Switch
- Microphone Lock Screw
- 85 HDV/DV Terminal
- 85 Ferminal Switches
- MIC ATT Switches
- 89 Zoom Speed Switch

Card/Tape Switch

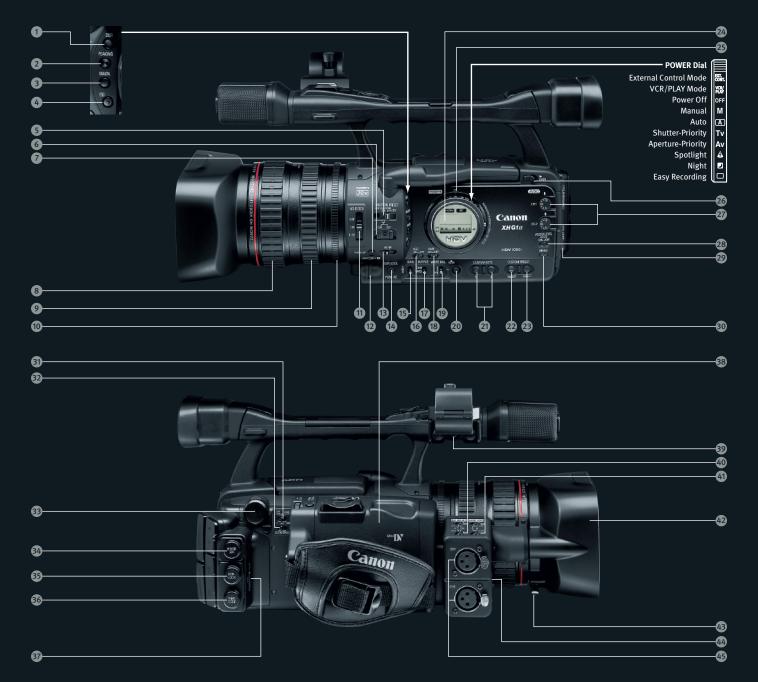
- EEE (

- **91** Card Access Indicator
- 2 Zoom Speed Dial
- 3 Start/Stop Button
- 9 Input Terminals (CH1/CH2, XLR)
- **5** Component Out Terminal
- * XLH1S only
 Do not use tripods with fastening screws longer than 5.5mm as
- it may damage the camcorder.

 The Leterminal (LANC) stands for Local Application Control Bus System. The & terminal allows you to connect and control connected devices. Connect only devices with the @mark to the terminal.
- Operation cannot be guaranteed for connections with devices not bearing the @mark.
 Some buttons of connected devices may not operate or may
- operate differently than the buttons on the camcorder.

Nomenclature for XH G1S / XH A1S





- 1 DISP. (Display) Button
- PEAKING Button
 MAGN. (Magnification) Button
- (Record Review) Button
- **5** POSITION PRESET Switch
- 6 POSITION PRESET ON/SET Switch
- PUSH AF Button
- 8 Focus Ring
- Zoom Ring
- Iris Ring
- 11 ND FILTER Switch
 12 SHUTTER Dial/ K Dial

- **17** OUTPUT Switch
- **13** Focus Mode Switch EXP. LOCK Button GAIN Switch
- 16 AGC (Automatic Gain Control) Switch
- 18 AWB (Automatic White Balance) Switch

- 19 WHITE BAL. (White Balance) Switch
- WHITE BAL. Button
- CUSTOM KEYS 22 CUSTOM PRESET ON/OFF Button
- CUSTOM PRESET SELECT Button
- Side Panel
- B POWER Indicator
- Open (Open The LCD Display) Switch
- 27 AUDIO CH1/CH2 Dials AUDIO LEVEL Lock Switch
- SELECT/SET Dial
- MENU Button
- ③ ☐ /♂ (Card/Tape) Switch
- 200M SPEED Switch
- 3 VIDEO2 Terminal 4 HD/SD SDI Terminal*
- **35** GENLOCK Terminal*
- **36** TIME CODE Terminal*

- - 43 Lens Hood Locking Screw
 - 44 +48V Switches

 - 46 (Pause) Button/DRIVE MODE Button

 - (CARD + Button)
 - Start/Stop Button
 - 3 LOCK Switch

- TIME CODE Switch
- 38 Cassette Compartment
 39 MIC (External Microphone) Terminal
- MIC ATT. Switches
- 4 AUDIO LEVEL Switches
- 42 Lens Hood
- 45 CH1/CH2 Input Terminals

- (Stop) Button/ [⑤](Metering Mode) Button
 (Stop) Button/ [⑥](Metering Mode) Button
 (Stop) Button/ [⑥]
 (Stop) Button/ [%]
 (Stop)

- **⑤** REC (Record) Button
- Microphone

- 5 Hot Shoe **5** Strap Mount
- Thandle Zoom Lever 3 PHOTO Button/MAGN. Button

3

- 59 Grip Zoom Lever
- PHOTO Button/MAGN. Button 200m Speed Adjustment Dial RESET Button
- 64 WHITE BAL. PRESET Switch
- 65 END SEARCH Button
- 66 MIC ATT. Switch
- **6** Speaker
- B LCD Panel
- 69 Microphone Lock Screw
- **100** External Microphone Holder **7** Remote Sensor
- 7 Tally Lamp

- Grip Belt
- External Sensor for the Instant AF
- Attachment Sockets for the Optional TA-100 Tripod
- Adapter or the Supplied Tripod Adapter Base
- 76 Tripod Socket**
- ViewfinderVIEWFINDER COMPONENT OUT Terminal
- Terminal 80 A/V1 Terminal
- 81 HDV Indicator

- ### HDV/DV Terminal

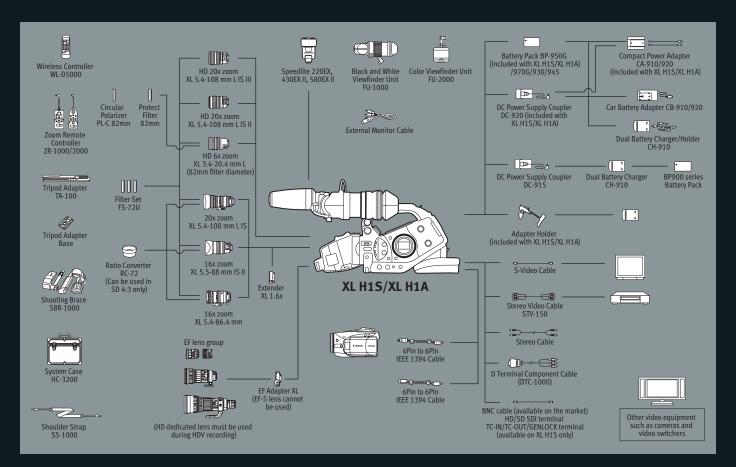
 | Composition of the property of the prop
- Start/Stop Button
- 35 OPEN (Open The Battery Compartment) Switch
 37 Battery/Memory Card Compartment
 38 CARD Access Indicator

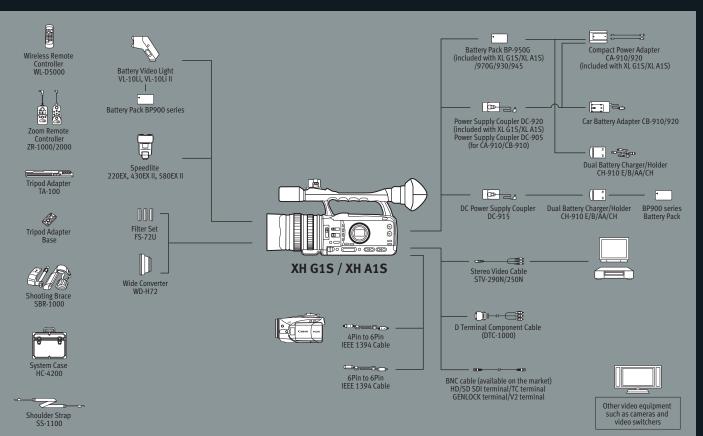
86 87 88

- ** Do not use tripods with fastening screws longer than 5.5mm as
- it may damage the camcorder.

 The ♠ terminal (LANC) stands for Local Application Control Bus System. The ♠ terminal allows you to connect and control connected devices. Connect only devices with the ♠ mark to the **t**erminal.
- Operation cannot be guaranteed for connections with devices not bearing the @mark.
- Some buttons of connected devices may not operate or may operate differently than the buttons on the camcorder.

System Chart





Specifications

H	IGH
DEFI	INITION
CAM	CORDERS

	XL H1S	XL H1A	XH G1S	XH A1S				
Signal System		NTSC a	nd HDV					
Recording Media		MiniDV						
Image Sensor		1/3-in. 3CCD (hori approx. 1,670,000 pixels						
Lens	20x Video Zoom 5.4-	-108mm f/1.6-3.5	20x Video Zoom 4.	5-90mm f/1.6-3.5				
Image Stabilizer	SuperRange Optical Image S	Stabilizer (Vari-Angle Prism)	SuperRange Optical Imag	ge Stabilizer (Lens Shift)				
AF System	TTL video signal sensir manual focusing		Instant AF (TTL-video signal detection metering system), Normal AF (TT manual focusing	L-video signal detection system)				
Minimum Illumination	24F: Auto mode: 3 lux (shutte Manual mode: 0.3 lux		24F: Auto mode: 2.5 lux (shut Manual mode: 0.3 lux					
Zoom		Handle zoom: 16 fixed Grip zoom: variable speed, 1						
Video Recording System		Two rotary heads, helica [HDV] High Defini [DV] Consumer dig	tion Video 1080i,					
Audio Recording System		[HDV] MPEG-1 Audio Layer II, 16-bi [DV] PCM digital sound, 16-b						
Recording Speed		[HDV/DV: SP mo [DV: LP mode						
Maximum Recording Time		[HDV/DV: SP r [DV: LP mode	node] 60 min. e] LP: 90 min.					
Viewfinder	2.4-in. wide, 16:9 as approx. 215		0.57-in. wide, 16:9 aspect ratio TFT color, approx. 269,000 dots					
LCD Screen	Flip-up Vi	ewfinder	2.8-in. wide, 16:9 as approx. 20					
Microphone	Stereo electret condenser micro	ophone or monaural selectable	Stereo electret condenser microphone					
Memory Card (Photos+Presets)	S	SDHC (SD High Capacity) memory card, S	SD memory card, MultiMediaCard (MMC)					
Video Terminals	Component (output only), S-Video (input/output), BNC (output only), RCA (input/output), HD/SD-SDI (output only)	Component (output only), S-Video (input/output), BNC (output only), RCA (input/output)	Component (output only), AV mini-terminal (input/output), BNC (output only),HD/SD-SDI (output only), HD/SDI (output only)	Component (output only), AV mini-terminal (input/output), BNC (output only),				
Audio Terminals		RCA (input/output), MIC: 3.5mm XLR: 2 s	n stereo mini-jack (unbalanced); systems					
HDV/DV Terminal		Compliant with IE	EEE 1394 protocol					
Headphone Terminal		ø 3.5mm stereo mini-j. -infinity to -12dBV	ack, less than 50 ohm; (with 16 ohm load)					
Genlock Terminal	BNC type connector, input: 1 Vp-p/75 ohms (tri-level or blackburst sync)	-	BNC type connector, input: 1 Vp-p/75 ohms (tri-level or blackburst sync)	-				
Time Code Terminal	BNC connector, input: 1Vp-p/75 ohms, output: 1Vp-p/75 ohms	-	BNC connector, input: 1Vp-p/75 ohms, output: 1Vp-p/75 ohms	-				
HD/SD-SDI Terminal	HD-SDI: video standard: compliant with SMPTE292M; embedded audio standard: compliant with SMPTE299M; time code standard: compliant with SMPTE RP 188 (LTC); SD-SDI (480/60i) video standard: compliant with SMPTE259M; embedded audio standard: compliant with SMPTE272M; time code standard: compliant with SMPTE272M; time code standard: compliant with SMPTERP 188 (LTC)	-	HD-SDI: video standard: compliant with SMPTE292M; embedded audio standard: compliant with SMPTE299M; time code standard: compliant with SMPTE RP 188 (LTC); SD-SDI (480/60i) video standard: compliant with SMPTE259M; embedded audio standard: compliant with SMPTE272M; time code standard: compliant with SMPTE RP 188 (LTC)	-				
Power Supply		7.4V DC (ba	attery pack)					
Dimensions (W x H x D)	8.9 x 8.7 x 19.5 in./2 (excluding th		5.5 x 7.4 x 12.6 in./140 x 189 x 321mm (excluding the grip belt)					
Weight	5.4 lbs./2.4kş 8.3 lbs./3.7kg (with		4.9 lbs./2.2kg (body only) 5.4 lbs./2.5kg (with lens and battery)					

17



Open Up a World of Possibilities

- Genuine Canon 20x Professional L-series Fluorite Lens
- Three 1/3" Progressive Scan CCD Image Sensors with 16:9 and 4:3 aspect ratio shooting formats
- Variable frame rates: 60i, 30p and 24p

Canon L-series Lenses,

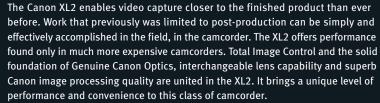
EF Adapter XL and

Extender XL 1.6x

- XL Mount Interchangeable Lens System with ability to change lenses from the XL-series lenses or Canon's photographic lenses
- SuperRange Optical Image Stabilizer corrects camera shake instantly while maintaining the integrity of the image



ASPECT RATIO















XL2 Kit Contents



- Color Viewfinder*
- Wireless Controller WL-D4000
- Lens Cap (Not Shown) Lens Dust Cap
- Lens Hood
- Lens Soft Case (Not Shown)
- Camcorder Dust Cap (Not Shown)
- Compact Power Adapter CA-920†
- AC Cable*
- DC Coupler DC-920
 Battery Pack BP-930*
- Shoulder Strap SS-1000
- S-Video Cable S-150*
- MicrophoneAdapter Holder Plate

Create Your Vision





- Optical Image Stabilizer corrects camera shake instantly while maintaining the integrity of the image
- 1.7 Megapixel Still Images
- Digital Video Format and IEEE 1394 (DV In/Out Terminal)
- MultiMediaCard/SD Memory Card Capability



Genuine Canon 20x Professional L-series Fluorite Lens with Optical

With the GL2, Canon has created a camcorder with a wealth of features, each selected to further elevate the standard by which camcorders are judged. The camera's excellence begins with its outstanding Canon L-series Fluorite lens and includes pro-level capture control features found in Canon's higher-end camcorders. Incorporating precision optics, superior digital processing and a sleek innovative design, the Canon GL2 offers reliable professional performance. Offering exceptional control, the camcorder is ideal for the serious videographer seeking a compact solution that opens the door to creative excellence.



The VL-3 Video Light (left) and the DM-50 Directional











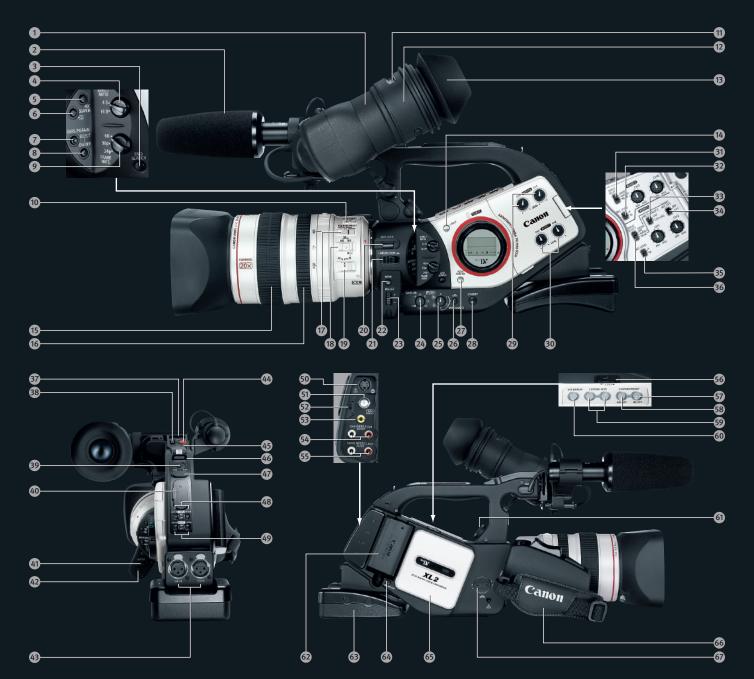
GL2 Kit Contents



- GL2 Body
- Battery Pack BP-915*
- DC Coupler DC-920*
- Wireless Controller WL-D77
 S-Video Cable S-150*
 Stereo Video Cable STV-250N*
- Shoulder Strap SS-650* SD Memory Card SDC-8M
- Large Eyecup
- Compact Power Adapter CA-920*
- Digital Video Solution Disk
 USB Interface Cable IFC-400PCU*

* Also available as an optional accessory. * Also available as an optional accessory.

Nomenclature for XL2



- 1 Viewfinder Focusing Ring 2 Stereo Microphone
- 3 END SEARCH Button 4 ASPECT RATIO Selector Switch
- FEC SEARCH + Button
- 6 REC SEARCH –/Record Review Button BARS/F.GRAIN SELECT Button
- 8 BARS/F.GRAIN ON/OFF Button
- 9 FRAME RATE Selector Switch 10 STABILIZER Switch
- Dioptric Adjustment Lever 12 Viewfinder
- B Eye Cup
- 4 LIGHT
- **15** Focusing Ring
- Tooming Ring Position Preset Switch
- 18 ND Filter Switch

- 19 Auto/Manual Focus Switch **20** EXP. LOCK Button 21 LENS RELEASE Switch
- MENU Button **3** AUDIO MONITOR Button
- **24** GAIN Dial WHITE BALANCE Selector Knob WHITE BALANCE Set Button
- AUDIO MONITOR Button **23** STANDBY Button
- THE CH3/CH4 LEVEL Dial (AUDIO2) 30 CH1/CH2 LEVEL Dial (AUDIO1) INPUT SELECT (CH3, CH4) Switch
- REC LEVEL (CH3, CH4) Switch
- 3 REC CH SELECT Switch 39 FRONT MIC ATT. Switch
- 35 REC LEVEL (CH1, CH2) Switch 36 INPUT SELECT (CH1, CH2) Switch

- 3 Advanced Accessory Shoe 38 Handle Zoom Lever
- **39** PHONE LEVEL Dial
- 40 DV/REMOTE (LANC) Terminal Door ▲ SHUTTER Speed Button
- ✓ SHUTTER Speed Button 43 XLR Input Terminals
 44 REC START/STOP Button
- 45 Lock Lever
- 46 Strap Mount 4 HEADPHONES Terminal 48 +48V Switches
- MIC ATT. Switches 50 S-video Terminal
- **51** Video Terminal (BNC) 22 RCA/BNC Selector Wideo Terminal (RCA)

4 AUDIO 2 RCA Terminal

66 Grip Belt 67 Backup Battery Compartment

M BATT. RELEASE Button

65 Cassette Compartment

55 AUDIO 1 RCA Terminal

57 CUSTOM PRESET SELECT Button

3 CUSTOM PRESET ON/OFF Button

66 EJECT Switch

59 CUSTOM KEYS

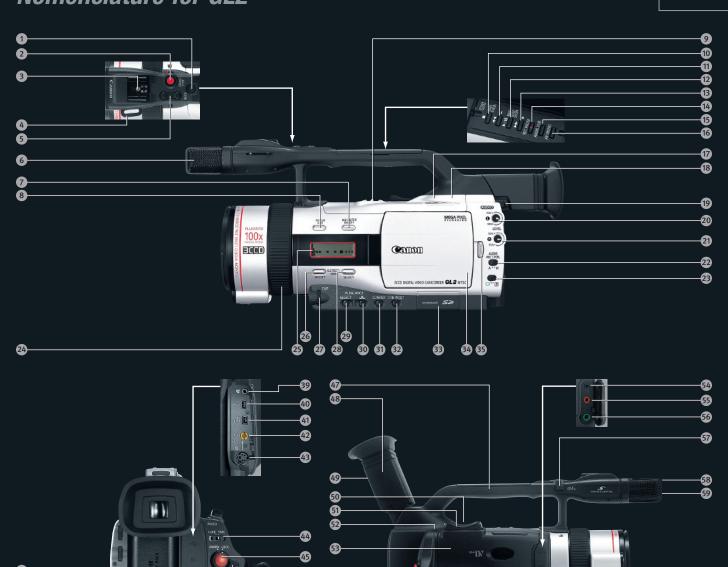
6 AE SHIFT Dial

@ Main Battery

63 Shoulder Pad

60 EVF DISPLAY Button

Nomenclature for GL2



- 1 PHOTO Button
- START/STOP Button
- 3 Advanced Accessory Shoe 4 Strap attachment Bar
- 5 Zoom Control 6 Stereo Microphone
- ND FILTER Button 8 FOCUS A/M Button
- 9 POWER Switch 10 STOP/INDEX SCREEN Button
- REW/card- Button 12 PLAY/PAUSE Button
- FF/Card+ Button REC PAUSE Button
- **15** AUDIO DUBBING Button 16 AV INSERT Button # + REC SEARCH Button
- 18 Record review/— REC SEARCH Button

- 19 BATTERY RELEASE Button 20 Manual AUDIO LEVEL L Dial
 21 Manual AUDIO LEVEL R Dial
- 22 AUDIO REC LEVEL Switch 23 Program Selector Switch
- Focus Ring
- 3 Audio LCD Panel D.E. (digital effects) ON/OFF Button 27 EXPOSURE Dial
- 28 D.E. (digital effects) SELECT button WHITE BALANCE SELECT Button
 WHITE BALANCE SELECT Button
- 31 CSTM KEY Button 32 CSTM PRESET Button
- 3 Memory Card Slot 39 LCD Panel
- 35 LCD Panel Open Button 36 MENU Button

Canon

- 40 USB Terminal 4 DV Terminal
- Audio/Video Terminal
- S-video Terminal
 MOVIE MODE Switch 45 Start/Stop Button
- 46 Standby Lever Tarrying Handle
- 48 Viewfinder Wiewfinder Focusing Lever
- **50** OPEN/EJECT Button 5 Zoom Control
- 52 PHOTO Button Cassette Compartment Cover
- **50** DC5V Terminal

55 MIC Terminal

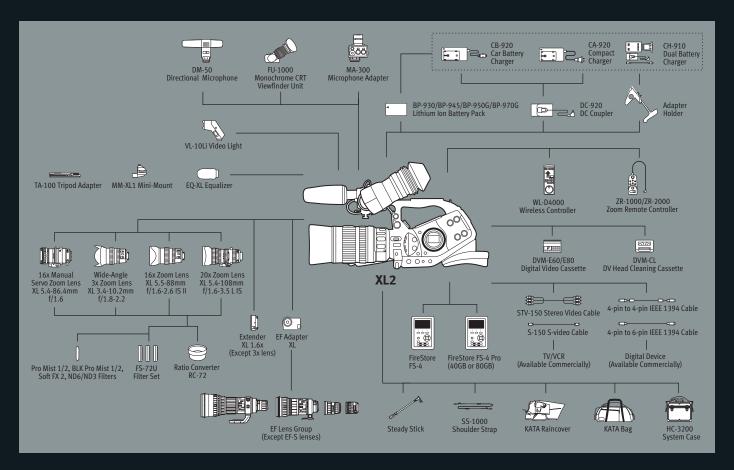
STANDARD DEFINITION

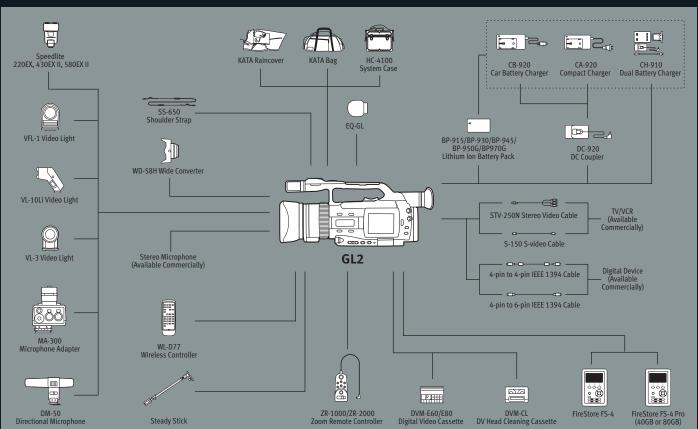
CAMCORDERS

- 56 (Phones) Terminal 57 LOCK Lever
- 33 Tally Lamp 59 Remote Sensor **10** Tripod Socket
- 6 Grip Belt

20

System Chart





Specifications

STANDAI	RD
DEFINITION	
CAMCORDERS	

	XL2	GL2						
Signal System	NTSC and DV							
Recording Media	MiniDV							
Image Sensor	1/3-in. 3CCD (horizontal pixel shift), approx. 680,000 total pixels 16:9 and 4:3 switchable	1/4-in. 3CCD (horizontal pixel shift), approx. 410,000 total pixels						
Lens	XL Lens System 20x Zoom XL 5.4–108mm L IS Lens	20x Zoom 4.2-84mm f/1.6-2.9						
Image Stabilizer	SuperRange Optical Image Stabllizer (Vari-Angle Prism), 20x Zoom XL 5.4–108mm L IS installed	Optical Image Stabilizer (Vari-Angle Prism)						
AF System	TTL autofocus, manual focusing possible, 20x Zoom XL 5.4–108mm L IS installed	TTL autofocus, manual focusing possible						
Minimum Illumination	Approx. 5.5 lux (20x Zoom XL 5.4–108mm L IS installed, auto mode, 60i frame rate, 4:3 aspect ratio, shutter speed 1/60)	Approx. 0.37 lux (shutter speed 1/8)						
Zoom	Manual/Power zoom: 16 fixed speed level settings	-						
Video Recording System	Two rotary heads, helical scan azimuth recording							
Audio Recording System	PCM digital recording: 16-bit (48 kHz) 2CH, 12-bit (32 KhZ) 4CH							
Recording Speed	[SP mode] 1 [LP mode] 1							
Maximum Recording Time	[SP mode] [LP mode]	e] 80 min.] 120 min.						
Viewfinder	2.0-in. TFT color, approx. 200,000 dots	0.44-in. TFT color, approx. 180,000 dots						
LCD Screen	Flip-up Viewfinder	2.5-in. TFT color, approx. 200,000 dots						
Microphone	Stereo electret cond	denser microphone						
Video Terminals	S-Video (inp RCA termin							
Audio Terminals	RCA (input/output), MIC: (unbalanced); X	: 3.5 mm stereo mini-jack XLR: 2 systems						
HDV/DV Terminal	[DV] Compliant with	n IEEE 1394 protocol						
Headphone Terminal	ø 3.5mm ster	reo mini-jack						
Power Supply	7.2V DC (ba	attery pack)						
Dimensions (W x H x D)	8.9 x 8.7 x 19.5 in./225 x 220 x 496mm	4.6 x 5.4 x 12 in./118 x 136 x 306mm						
Weight	5.3 lbs./2.4kg (body only) 7.8 lbs./3.5kg (with lens and battery)	2.5 lbs./1.1kg						

Accessories

	PORTABLE DTE REG	PORTABLE DTE RECORDERS & ACCESSORIES												
ITEM DESCRIPTION	FS-CV Hard Disk Drive Recorder 100GB	FS-CV High Capacity Battery	FS-CV Standard Battery	FS-CV Camera Cradle	FS-CV 4-6 Pin Firewire Cable	FS-CV 6-6 Pin Firewire Cable	FS-CV USB 2.0 AA Cable	FS-CV 802.11g Dongle	FS-CV Mount Cage	FS High Capacity Battery Pack	FS Extra Battery (90 min.)	FS Replacement AC Adapter (110V)	FS-4 Pro Domestic Recorder 100GB	
	and the second s	100	Ĭ		, 0			Focus						
ITEM CODE	1379V742	1381V095	1379V743	1379V744	1381V090	1381V091	1381V092	1381V098	1381V116	0738B002	0738B001	0739B001	1011V057	
XL H1S	•	•*	•*	•*	•*	•*	● *	•*	•*	•**	● **	● **		
XL H1A	•	•*	•*	•*	•*	•*	•*	•*	•*	● **	•**	● **		
XHG1S	•	•*	•*	•*	•*	•*	•*	•*	•*	•**	•**	● **		
XHA1S	•	•*	•*	•*	•*	•*	•*	•*	•*	•**	•**	● **		
XL2										•**	•**	● **	•	
GL2													•	

	PORTABLE DTE REC	CORDERS & ACCESSO	RIES	BATTERIES					CHARGERS & ADAPTERS				LENSES
ITEM DESCRIPTION	FS-4 Pro Domestic Recorder 60GB	FS Camera Mount	FS Replacement Belt Clip	Battery Pack BP-970G	Battery Pack BP-950G	Battery Pack BP-945	Battery Pack BP-930	Battery Pack BP-915	Dual Battery Charger CH-910	Car Battery Adapter CB-920	Compact Power Adapter CA-920	DC Coupler DC-920	HD 20x Zoom XL 5.4–108mm L IS II
	6										Ø₽.	#R	
ITEM CODE	1011V056	0740B001	0741B001	0972B002	0971B002	4244A002	3058A002	3057A002	3036A002	8034A002	8029A002	8033A001	0987B002
XL H1S		•**	•**	•	•	•	•		•	•	•	•	•
XL H1A		•**	•**	•	•	•	•		•	•	•	•	•
XHG1S				•	•	•	•		•	•	•	•	
XHA1S				•	•	•	•		•	•	•	•	
XL2	•	•**	•**	•	•	•	•		•	•	•	•	•
GL2	•			•	•	•	•	•	•	•	•	•	

	LENSES								FILTERS					
ITEM DESCRIPTION	HD 6x Zoom XL 3.4-20.4mm L	20x Zoom XL 5.4–108mm L IS	3x Zoom XL 3.4–10.2mm	16x Manual Servo Zoom Lens	Extender 1.6x	Wide Converter WD-H72	Wide Converter WD-58H	Ratio Converter RC-72	72mm Pro Mist Filter	72mm Black Pro Mist Filter	72mm Soft FX2 Filter	72mm ND6 Filter	72mm ND3 Filter	Filter Set FS-72U
			* 1		(S)				0	0	0		0	
ITEM CODE	1696B002	9825A002	3159A002	7122A002	3163A002	1724B001	8030A001	0553B001	0002V411	0002V438	0002V437	0002V436	0002V435	3093A002
XL H1S	•	•	•	•	•			•	•	•	•	•	•	•
XL H1A	•	•	•	•	•			•	•	•	•	•	•	•
XHG1S						•			•	•	•	•	•	•
XHA1S						•			•	•	•	•	•	•
XL2	•	•	•	•	•			•	•	•	•	•	•	•
GL2							•							

*Compatible with FS-CV Recorder only ** Compatible with FS-C Recorder

Accessories

	VIEWING ACCESSO	RIES			MICROPHONES VIDEO LIGHTS & ACCESSORIES						CONTROL UNITS			
ITEM DESCRIPTION	EF Adapter XL	Remote Viewfinder RVC Kit	Color Viewfinder Unit FU-2000	Monochrome CRT Viewfinder Unit FU-1000	Directional Stereo Microphone DM-50	Microphone Adapter & Shoulder Pad MA-300	Battery Video Light VL-10Li II	Halogen Bulb JR7.2V10WF (Replacement Bulb for VL-10 Li II)	Speedlite 580EX II	Speedlite 430EX II	Speedlite 220EX	Zoom Remote Controller ZR-2000	Zoom Remote Controller ZR-1000	
	Comm a			New		2	9				Coun			
ITEM CODE	3162A002	0974B004	0974B002	3157A002	3176A002	8032A002	1729B001	3141A002	1946B002	2805B002	2262A006	0973B002	3089A002	
XL H1S	•	•	•	•		•			•	•	•	•	•	
XL H1A	•	•	•	•		•			•	•	•	•	•	
XHG1S							•	(•)	•	•	•	•	•	
XHA1S							•	(•)	•	•	•	•	•	
XL2	•	•		•		•						•	•	
GL2					•	•	•	(•)	•	•	•	•	•	

	MEDIA				CABLES								
ITEM DESCRIPTION	HDV/DV Tape DVM-E63	MiniDV Cassette DVM-E80	MiniDV Cassette DVM-E60	DV Head Cleaning Cassette DVM-CL	D Terminal Component Video Cable DTC-1000	Stereo Video Cable STV-250N	Stereo Video Cable STV-150	S-Video Cable S-150	DV Cable CV-150F (4-4 Pin Firewire)	USB Cable IFC-400PCU	FS 48" 4-6 Pin Firewire Cable	FS 12" 4-6 Pin Firewire Cable	System Hard Case HC-4200
	COMMON CO	80 	(a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Cower Head Cleaning Cassetto		A		R					G [3]
ITEM CODE	1313B001	4254A002	3133A002	3134A002	0976B001	3067A002	3065A002	3062A002	3060A002	9370A001	0742B002	0742B001	1723B001
XL H1S	•	•	•	•	•		•	•					
XL H1A	•	•	•	•	•		•	•					
XHG1S	•	•	•	•	•	•				•			•
XHA1S	•	•	•	•	•	•				•			•
XL2		•	•	•			•	•	•		•†	● †	
GL2		•	•	•		•		•	•	•	● †	●†	

	CASES									OTHERS						
ITEM DESCRIPTION	System Hard Case HC-4100	System Hard Case HC-3200	Roller Case	KATA Backpack	KATA Case (for XL Series)	KATA Raincover (for XL Series)	KATA Medium Shoulder Bag	Equalizer EQ-XL1	System Isolator SI-XL1	Mini Mount MM-XL1	Steady Stick	Tripod Adapter TA-100	Shooting Brace SBR-1000			
		8 - 1	B								S. S					
ITEM CODE	8031A001	9826A001	1552B001	0797V171	0002V413	0002V412	0954V372	0002V409	0002V410	0002V408	0002V414	9859A001	0975B001			
XL H1S		•	•	•				•	•	•	•	•	•			
XL H1A		•	•	•				•	•	•	•	•	•			
XHG1S			•	•			•				•	•	•			
XHA1S			•	•			•				•	•	•			
XL2		•	•	•	•	•		•	•	•	•	•	•			
GL2	•		•	•			•				•		•			

†Compatible with FS-4 Pro Recorder



1-800-OK-CANON www.usa.canon.com

Canon U.S.A., Inc. One Canon Plaza Lake Success, NY 11042 U.S.A.

Canon Canada, Inc. 6390 Dixie Road Mississauga, Ontario L5T 1P7 Canada

Canon Latin America, Inc. 703 Waterford Way, Suite 400 Miami, FL 33126 U.S.A.

Canon Mexicana, S. de R.L. de C.V. Blvd. Manuel Ávila Camacho No. 138, Piso 17 Col. Lomas de Chapultepec C.P. 11000 México, D.F. México

0128W532 01/09

©2009 CANON U.S.A., INC. PRINTED IN U.S.A.

Specifications are subject to change without notice. Weight and dimensions are approximate. Canon is a registered trademark of Canon Inc. in the United States and may also be a registered trademark or trademark in other countries. IMAGEANYWARE is a trademark of Canon. "HDV" and the "HDV" logo are trademarks of Sony Corporation and Victor Company of Japan, Limited (IVC). Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies.

Warning: Unauthorized recording of copyrighted materials may infringe on the rights of copyright owners and be contrary to copyright laws.

www.cusa.canon.com/camcorder/pro