

XLH1s



XLH1a



Video Division Camcorder Product Guide Winter/Spring 2010

XF305



XF300



XHG1s



XHA1s



VIXIA
HFS21



VIXIA
HFM31



VIXIA
HFR11



VIXIA
HV40



FS31



VIXIA
HFS20



VIXIA
HFM30



VIXIA
HFR10



FS300



VIXIA
HFS200



VIXIA
HFM300



VIXIA
HFR100



VIXIA HF S-series Flash Memory Camcorders

Canon
Superior Image Quality

Canon VIXIA HF S-series Flash Memory HD Camcorders offer features for greater creativity, easier operation and our most incredible HD video images yet. These advanced camcorders offer the ultimate in HD video.

VIXIA
HFS21



VIXIA
HFS20



VIXIA
HFS200



Kit Contents:

- HD Camcorder
- BP-808 Battery: 1 hr.*
- CA-570 Power Adapter
- WL-D89 Remote Control
- CTC-100 Component Cable
- IFC-400PCU USB Cable
- STV-250N A/V Cable

Software included:

Pixela Image Mixer: 3SE for Windows XP, VISTA or Windows 7

•Disc 1: Transfer & Music Utilities

•Disc 2: Video Tools

Canon Solution Disc:

•Zoom Browser EX for PC

•Image Browser for MAC

Key Feature

Red denotes new feature

- **Recording Media:** (Class 4, 6 or 10 SD Memory cards)
VIXIA HF S21: 64GB Internal Flash Drive + 2 SD Memory Card Slots
VIXIA HF S20: 32GB internal Flash Drive + 2 SD Memory Card Slots
VIXIA HF S200: 2 SD Memory Card Slots
- **Genuine Canon HD Video Lens:** 10x Zoom; 40/200x digital zoom
- **Canon 8.59-megapixel Full HD CMOS Image Sensor**
- **DIGIC DV III Image Processor:** for high-speed signal processing
- **Dynamic SuperRange Optical Image Stabilizer:** stabilizes through the entire zoom range plus extra compensation at wide angle
- **Powered IS:** press button for extra stabilization at telephoto
- **Instant AF:** hybrid autofocus for fast focusing near or far, even in lowlight
- **24 Mbps Bit Rate:** for more visible detail in moving subjects or busy patterns
- **3.5" High-res Touch Panel LCD:** 922k dots, exceptional detail and color
- **Smart Auto:** automatically selects the best settings for the scene
- **Touch & Track:** controls at your fingertip for tracking subjects, focus or exposure
- **Genuine Canon Face Detection:** tracks faces for superior exposure and focus
- **Advanced Video Snapshot:** capture 2, 4 or 8 sec. video clips during recording or playback
- **HD-to-SD Downconversion:** 2 options 1. for sharing online or 2. burning a DVD
- **Eye-Fi SD Memory card compatible:** wirelessly transfer video/photos to a computer or the Web
- **Relay recording:** automatically records to an empty source when one fills up
- **Built-in 8.0-megapixel digital camera**
- **Selectable Frame Rates:** 60i, 24p Native, 24p Cinema, 30p Progressive
- **Mini Advanced Accessory Shoe:** add an optional mic or video light
- **5.1-Channel Surround Sound:** with optional SM-V1 microphone
- **Simultaneous Photo Recording:** Capture a photo while recording video
- **Auto Attenuator:** automatically prevents high volume distortion
- **Dual Shot:** shoot video or photos without changing modes
- **Pro Assist:** Zebra Pattern, Color Peaking, Color Bars & Tone, AGC (0-24dB)
- **Digital 1.7x Tele-converter built-in:** for greater close-up shots
- **Pop-up Flash & Video Light:** Flash up to 6.6 ft. / Video Light up to 4.9 ft.
- **3 sec. Pre-record:** avoid missing the start of action by recording a pre-roll
- **Custom Key:** control Focus, Exposure, Tv, Av, Mic Level or AGC Limit
- **Scene Divide:** edit video clips inside the camcorder
- **Quick Start:** power on by opening/closing the LCD panel; record in under 1 sec.
- **LANC Terminal:** connect optional wired remote controllers

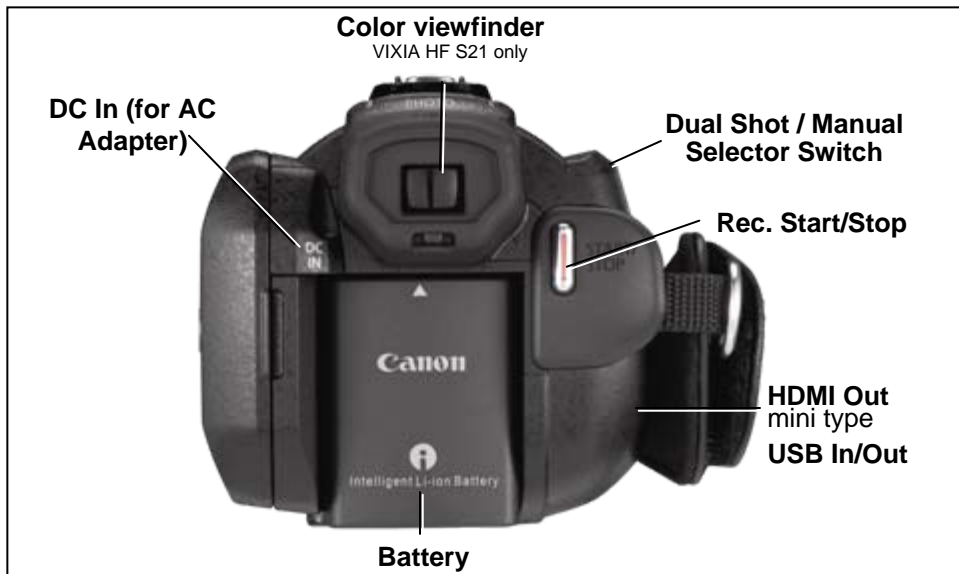
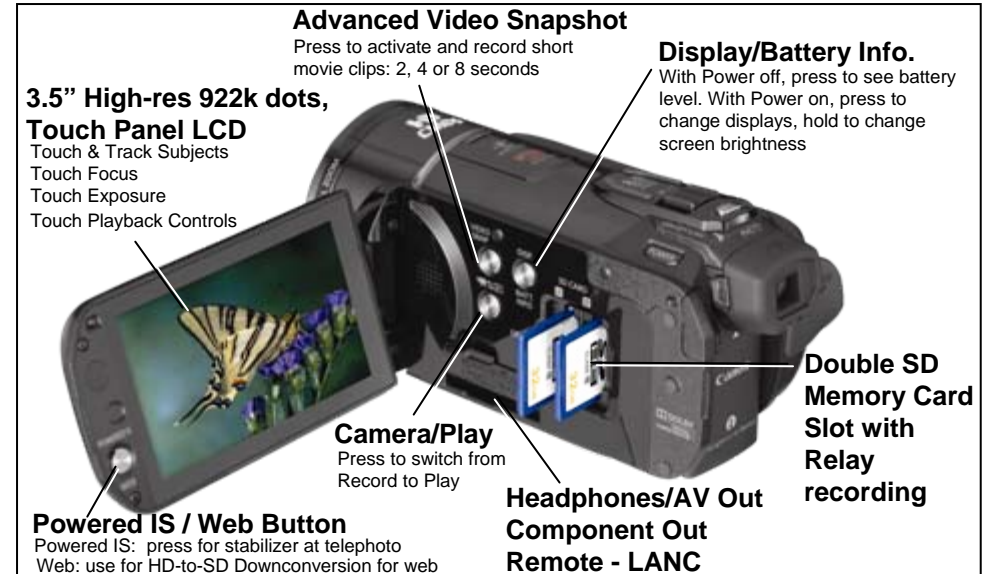
Specifications

Red denotes new feature or accessory

- Lens:** 10x, 6.4-64mm, f/1.8, 43.5-435mm (35mm), 58mm Diameter
Image Sensor: CMOS, 1/2.6", 8.59-megapixels, Bayer Pattern RGB Color Filter
Compression: Video (AVCHD, High Profile), Photos (JPEG)
Audio: Dolby Digital 2 Channel; 5.1-Channel with optional **SM-V1 Surround mic**
- | Video Mode | Bit Rate | Resolution | Rec. Time: 32 GB | 64GB |
|------------|----------|-------------|------------------|-------------|
| MXP | 24 Mbps* | 1920 x 1080 | 2:55 hrs.* | 5:55hrs.* |
| FXP | 17 Mbps* | 1920 x 1080 | 4:10 hrs.* | 8:20 hrs.* |
| XP+ | 12 Mbps* | 1440 x 1080 | 5:45 hrs.* | 11:30 hrs.* |
| SP | 7 Mbps* | 1440 x 1080 | 9:35 hrs.* | 19:10 hrs.* |
| LP | 5 Mbps* | 1440 x 1080 | 12:15 hrs.* | 24:30 hrs.* |
- Photo Resolution:** **Movie Mode** **Photo Mode**
- | | |
|---------------------|---------------------|
| LW (3264 x 1840) 6M | L (3264 x 2456) 8M |
| MW (1920 x 1080) | LW (3264 x 1840) 6M |
| | M (1920 x 1080) |
| | S (640 x 480) |
- Terminals:**
- **HDMI video/audio:** mini-type (CEC, x.v. Color) Out only, HTC-100 cable optional
 - **Component Video:** Out only, CTC-100 cable included
 - **Composite Video & Audio:** Headphones or AV Out, STV-250N cable included
 - **Mic input:** auto or manual level audio control
 - **USB:** In & Out, 2.0 Hi-speed, IFC-400PCU cable included
 - **LANC Remote Control Terminal:** for ZR-1000 or ZR-2000 remote controllers
- Optional Accessories:**
- BP-808 (1 hr.*), 819 (2:10 hrs.*), 827 (3:10 hrs.*) Battery Packs
 - CG-800 Wall Battery Charger
 - WD-H58 Wide-converter or TL-H58 Tele-converter
 - VL-5 Video Light or VFL-2 Video Flash Light
 - DM-100 Directional Stereo Microphone
 - **SM-V1 5.1-Channel Surround mic:** Shotgun, Zoom or Surround settings
 - HTC-100 Mini HDMI Cable
 - ZR-1000, ZR-2000 Remote Controllers
 - SC-2000, SC-A1000, SC-A80, SC-A75 Carrying Cases
 - Flash Memory Camcorder Starter Kit (Case, BP-808, 4GB card, SW-10 Media Case)
 - **3.5" LCD Video Hood**
 - DA-10 or SW-10 Media Carrying Cases (black or maroon colors)
 - DW-100 DVD Burner (for recordings up to 17 Mbps, not 24 Mbps)
- Warranty: 1 year parts & labor, longer than some other's warranty**
- * all bit rates, recording and battery times are approximate

Nomenclature - VIXIA HF S-series Camcorders

Canon
Superior Image Quality



VIXIA HF S-series HD Camcorders

Canon
Superior Image Quality

Model	Feature Set	Step Up Features
<p>VIXIA HFS200</p> 	<ul style="list-style-type: none"> ❑ Two SD Memory Card Slots ❑ Genuine Canon 10x HD Video Lens ❑ Canon 8.59-megapixel Full HD CMOS Image Sensor ❑ DIGIC DV III Image Processor ❑ Dynamic SuperRange Optical Image Stabilizer with Powered IS ❑ Instant AF Autofocus ❑ 24 Mbps Bit Rate ❑ 3.5" High-res 922k-dot Touch Panel LCD 	
<p>VIXIA HFS20</p>  <p>DUAL FLASH MEMORY</p>	<ul style="list-style-type: none"> ❑ Smart Auto ❑ Touch & Track ❑ Genuine Canon Face Detection ❑ Advanced Video Snapshot: 2, 4 or 8 sec. video clips ❑ HD-to-SD Downconversion ❑ Eye-Fi SD Memory card compatible ❑ Relay Recording 	<p>HF S200 Features plus...</p> <ul style="list-style-type: none"> ❑ Dual Flash Memory <ul style="list-style-type: none"> ▪ 32GB Internal Flash Drive ▪ 2:55 hrs. (MXP) ▪ 12:15 hrs. (LP)
<p>VIXIA HFS21</p>  <p>DUAL FLASH MEMORY</p>	<ul style="list-style-type: none"> ❑ Built-in 8.0-megapixel digital camera ❑ 60i, 24p Native, 24p Cinema, 30p Progressive ❑ Mini Advanced Accessory Shoe ❑ 5.1-Channel Surround Sound: with optional SM-V1 mic ❑ Dual Shot & Simultaneous Video & Photo recording ❑ Auto Attenuator ❑ Pro Assist: Zebra Pattern, Color Peaking, Color Bars & Tone, AGC (0-24dB) ❑ Digital 1.7x Tele-converter (built-in) ❑ Intelligent Lithium-ion battery ❑ Pop-up Flash & Video Light ❑ 3 sec. Pre-record ❑ Custom Key ❑ Scene Divide In-camera editing ❑ Quick Start ❑ LANC Terminal ❑ Menu Font Size; small or large 	<p>HF S20 Features plus...</p> <ul style="list-style-type: none"> ❑ Dual Flash Memory <ul style="list-style-type: none"> ▪ 64GB Internal Flash Drive ▪ 5:55 hrs. (MXP) ▪ 24:30 hrs. (LP)

VIXIA HF M-series Flash Memory Camcorders

Canon
Superior Image Quality

Canon HF M-series Flash Memory HD Camcorders offer new features for superior HD image quality, greater creativity and easy operation. These HD camcorders are amazingly compact, lightweight and functional.

VIXIA
HF M31



VIXIA
HF M30



VIXIA
HF M300



Kit Contents:

- HD Camcorder
- BP-808 Battery: 1 hr. 05 min*
- CA-570 Power Adapter
- WL-D89 Remote Control
- CTC-100 Component Cable
- IFC-400PCU USB Cable
- STV-250N A/V Cable

Software included:

Pixela Image Mixer: 3SE for Windows XP, VISTA or Windows 7

• Disc 1: Transfer & Music Utilities

• Disc 2: Video Tools

Canon Solution Disc:

• Zoom Browser EX for PC

• Image Browser for MAC

Key Features

Red denotes new feature

- **Recording Media:** (Class 4, 6 or 10 SD Memory cards)
VIXIA HF M31: 32GB Internal Flash Drive + SD Memory Card Slot
VIXIA HF M30: 8GB Internal Flash Drive + SD Memory Card Slot
VIXIA HF M300: SD Memory Card Slot
 - **Genuine Canon HD Video Lens:** 15x Zoom + **18x Advanced Zoom**
 - **Canon 3.89-megapixel Full HD CMOS Image Sensor**
 - **DIGIC DV III Image Processor:** for high-speed signal processing
 - **Dynamic SuperRange Optical Image Stabilizer:** stabilizes through the entire zoom range plus extra compensation at wide angle
 - **Powered IS:** press button for extra stabilization at the telephoto end
 - **Instant AF:** hybrid autofocus for fast focusing near or far, even in lowlight
 - **24 Mbps Bit Rate:** for more visible detail in moving subjects or busy patterns
 - **2.7" 211k-dot Touch Panel LCD**
 - **Smart Auto:** automatically selects the best settings for the scene
 - **Touch & Track:** controls at your fingertip for tracking subjects, focus or exposure
 - **Genuine Canon Face Detection:** tracks faces for superior exposure and focus
 - **Advanced Video Snapshot:** capture 2, 4 or 8 sec. movie clips during recording or playback
 - **HD-to-SD Downconversion:** 2 options 1. for sharing online or 2. burning a DVD
VIXIA HF M31, HF M30 only
 - **Eye-Fi SD Memory card compatible:** wirelessly transfer video/photos to a computer or the Web – VIXIA HF M31 & HF M30 video & photos. HF M300 photos only
 - **Built-in 3.3-megapixel digital camera**
 - **Selectable Frame Rates:** 60i, 24p Cinema, 30p Progressive
 - **Mini Advanced Accessory Shoe:** add an optional mic or video light
 - **5.1-Channel Surround Sound:** with optional SM-V1 microphone
 - **Underwater:** with optional WP-V2 Waterproof Case (VIXIA HF M-series only)
 - **Simultaneous Photo Recording:** Capture a photo while recording video
 - **Dual Shot:** shoot video or photos without changing modes
 - **Intelligent Lithium-ion Battery**
 - **Built-in Video Light & Flash:** Light up to 4.9 ft. / Flash up to 6.6 ft.
 - **3 sec. Pre-record:** avoid missing the start of the action by recording a pre-roll
 - **Quick Start:** power by opening/closing the LCD panel; record in under 1 sec.
 - **Scene Divide:** edit video clips inside the camcorder
 - **Font Size:** change the font size from small to large for easier menu reading
- * all bit rates, recording and battery times are approximate

Specifications

Red denotes new feature or accessory

Lens: 15x, 4.1-61.5mm, f/1.8, 39.5-592.5mm (35mm), 37mm Diameter

Image Sensor: CMOS, 1/4", 3.89-megapixels, Bayer Pattern RGB Color Filter

Compression: Video (AVCHD, High Profile), Photos (JPEG)

Audio: Dolby Digital 2 Channel, 5.1-Channel with optional **SM-V1 surround mic**

Video Mode	Bit Rate	Resolution	Rec. Time: 8GB	32GB
MXP	24 Mbps*	1920 x 1080	:40 min*	2:55 hrs.*
FXP	17 Mbps*	1920 x 1080	1 hr.*	4:10 hrs.*
XP+	12 Mbps*	1440 x 1080	1:25 hrs.*	5:45 hrs.*
SP	7 Mbps*	1440 x 1080	2:20 hrs.*	9:35 hrs.*
LP	5 Mbps*	1440 x 1080	3 hrs.*	12:15 hrs.*

Photo Resolution:	Movie Mode	Photo Mode
	LW (2304 x 1296)	L (2100 x 1575) 3.3M
	SW (848 x 480)	LW (2304 x 1296)
		M (1600 x 1200)
		S (640 x 480)

Terminals:

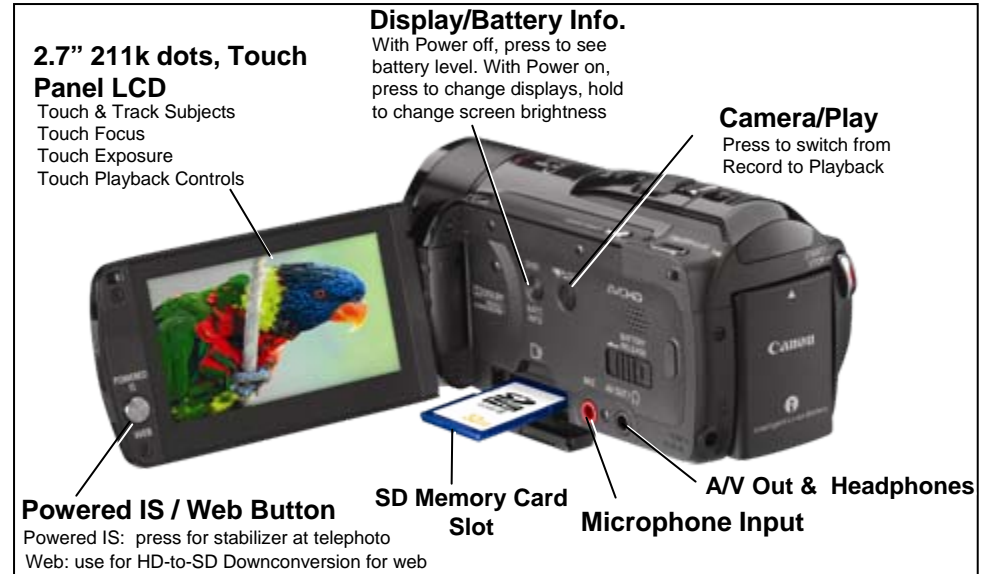
- **HDMI video/audio:** mini-type (CEC, x.v. Color) Out only, HTC-100 cable optional
- **Component Video:** Out only, CTC-100 cable included
- **Composite Video & Audio:** Headphones or AV Out, STV-250N cable included
- **Mic input:** auto or manual level audio control
- **USB:** In & Out, 2.0 Hi-speed, IFC-400PCU cable included

Optional Accessories:

- BP-808 (1 hr. 05 min.*), 819 (2:10 hrs.*), 827 (3:20 hrs.*) Battery Packs
- CG-800 Wall Battery Charger
- WD-H37 Wide-converter or TL-H37 Tele-converter
- FS-H37U Filter Set (1 Protection & 1 Neutral Density Filter)
- VL-5 Video Light or VFL-2 Video Flash Light
- DM-100 Directional Stereo Microphone
- **SM-V1 5.1-Channel surround mic:** Shotgun, Zoom or Surround settings
- RA-V1 LANC Control Adapter: for use with ZR-1000 or ZR-2000 remote controls
- HTC-100 Mini HDMI Cable
- **WP-V2 Waterproof Case** for diving to 130 ft. depth (VIXIA HF M-series only)
- FC-20, SC-2000, SC-A1000, SC-A80, SC-A75 Carrying Cases
- Flash Memory Camcorder Starter Kit (Case, BP-808, 4GB card, SW-10 Media Case)
- 2.7" LCD Video Hood
- DA-10 or SW-10 Media Carrying Cases (black or maroon colors)
- DW-100 DVD Burner (for recordings up to 17 Mbps, not 24 Mbps)






Warranty: 1 year parts & labor, longer than some other's warranty

Nomenclature – VIXIA HF M-series Camcorders



VIXIA HF M-series HD Camcorders

Canon
Superior Image Quality

Model	Feature Set	Step Up Features
<p>VIXIA HF M300</p> 	<ul style="list-style-type: none"> ❑ SD Memory Card slot ❑ Genuine Canon 15x HD Video Lens + 18x Advanced Zoom ❑ Canon 3.89-megapixel Full HD CMOS Image Sensor ❑ DIGIC DV III Image Processor ❑ Dynamic SuperRange Optical Image Stabilizer with Powered IS ❑ Instant AF Autofocus 	
<p>VIXIA HF M30</p>  <p> DUAL FLASH MEMORY</p>	<ul style="list-style-type: none"> ❑ 24 Mbps Bit Rate ❑ 2.7" 211k-dot Touch Panel LCD ❑ Smart Auto ❑ Touch & Track ❑ Genuine Canon Face Detection ❑ Advanced Video Snapshot: 2, 4 or 8 sec. video clips ❑ HD-to-SD Downconversion: VIXIA HF M30, HF M31 only ❑ Eye-Fi SD Memory card compatibility (VIXIA HF M30, HF M31 only) ❑ Relay recording: VIXIA HF M30, HF M31 only ❑ Built-in 3.3M digital camera 	<p>HF M300 Features plus...</p> <ul style="list-style-type: none"> ❑ Dual Flash Memory <ul style="list-style-type: none"> ▪ 8GB Internal Flash Drive ▪ 40 min. (MXP) ▪ 3 hrs. (LP) ❑ Relay Recording ❑ HD-to-SD Downconversion ❑ Eye-Fi SD Memory card compatibility
<p>VIXIA HF M31</p>  <p> DUAL FLASH MEMORY</p>	<ul style="list-style-type: none"> ❑ 60i, 24p Cinema, 30p Progressive ❑ Mini Advanced Accessory Shoe ❑ 5.1-Channel Surround Sound: with optional SM-V1 mic ❑ Underwater: with optional WP-V2 Waterproof case (HF M-series only) ❑ Dual Shot & Simultaneous Photo recording ❑ Intelligent Lithium-ion battery ❑ Built-in Flash & Video Light ❑ 3 sec. Pre-record ❑ Quick Start ❑ Scene Divide In-camera editing ❑ Menu Font Size; small or large 	<p>HF M30 Features plus...</p> <ul style="list-style-type: none"> ❑ Dual Flash Memory <ul style="list-style-type: none"> ▪ 32GB Internal Flash Drive ▪ 2:55 hrs. (MXP) ▪ 12:15 hrs. (LP)

VIXIA HF R-series Flash Memory Camcorders

Canon
Superior Image Quality

VIXIA
HF R11



VIXIA
HF R10



VIXIA
HF R100



Kit Contents:

- HD Camcorder
- BP-2L5 Battery: 45 min.
- CA-590 Power Adapter
- CTC-100 Component Cable
- IFC-400PCU USB Cable
- STV-250N A/V Cable

Software included:

Pixela Image Mixer: 3SE for Windows XP, VISTA or Windows 7

•Disc 1: Transfer & Music Utilities

•Disc 2: Video Tools

Canon Solution Disc:

- Zoom Browser EX for PC
- Image Browser for MAC

Canon HF R-series Flash Memory HD Camcorders offer features for greater creativity, easier operation and our longest zoom ever in a VIXIA HD model. Now it's easy to get superior HD image quality at widely affordable prices.

Key Features

Red denotes new feature

- **Recording Media:** (Class 4, 6 or 10 SD Memory Cards)
VIXIA HF R11: 32GB Internal Flash Drive + SDHC Memory Card Slot
VIXIA HF R10: 8GB Internal Flash Drive + SDHC Memory Card Slot
VIXIA HF R100: SDHC Memory Card Slot
- **Genuine Canon HD Video Lens:** 20x optical zoom; 400x digital zoom
- **Canon 2.39-megapixel HD CMOS Image Sensor**
- **DIGIC DV III Image Processor:** for high-speed signal processing
- **Dynamic Image Stabilizer EIS:** stabilizes through the entire zoom range plus extra compensation at wide angle; video mode only
- **Instant AF:** hybrid autofocus for fast focusing near or far, even in lowlight
- **2.7" 112k-dots LCD Screen**
- **Smart Auto:** automatically selects the best settings for the scene
- **Genuine Canon Face Detection:** tracks faces for superior exposure and focus
- **Advanced Video Snapshot:** capture 2, 4 or 8 sec. movie clips during recording or playback
- **HD-to-SD Downconversion:** 2 options 1. for sharing online 2. for burning a DVD VIXIA HF R11, HF R10 only
- **Eye-Fi SD Memory card compatible:** wirelessly transfer video/photos to a computer or the Web
- **Relay recording:** automatically records to an empty source when one fills up VIXIA HF R11, HF R10 only
- **Built-in 2-megapixel digital camera**
- **Selectable Frame Rates:** 60i, 24p Cinema, 30p Progressive
- **3 sec. Pre-record:** avoid missing the start of the action by recording a pre-roll
- **Photo Mode:** Single shot or up to 5 fps
- **Joystick:** easy operation, firm grip, for opening menus & changing settings
- **Quick Start:** power on by opening/closing the LCD screen; record in under 1 sec.
- **Scene Divide:** edit video clips inside the camcorder
- **Font Size:** change the menu font size from small to large for easier reading

Specifications

Red denotes new feature or accessory

Lens: 20x, 3.0-60mm, f/1.8, approx. 49-980mm (35mm) with Dynamic IS on; No lens filter options

Image Sensor: CMOS, 1/5.5", 2.39-megapixels, Bayer Pattern RGB Color Filter

Compression: Video (AVCHD), Photos (JPEG)

Audio: Dolby Digital 2 Channel

Bit Rate: 17 Mbps per second (maximum)

Video Mode	Bit Rate	Resolution	Rec. Time: 8 GB	32GB
FXP	17 Mbps*	1920 x 1080	1 hr.*	4:10 hrs.*
XP+	12 Mbps*	1440 x 1080	1:25 hrs.*	5:45 hrs.*
SP	7 Mbps*	1440 x 1080	2:20 hrs.*	9:35 hrs.*
LP	5 Mbps*	1440 x 1080	3 hrs.*	12:15 hrs.*

Photo Resolution:	Movie Mode	Photo Mode
	LW (1920 x 1080) 2M	LW (1920 x 1080) 2M
		L (1600 x 1200)
		S (640 x 480)

Terminals:

- **HDMI video/audio:** mini-type (CEC, x.v. Color) Out only, HTC-100 cable optional
- **Component Video:** Out only, CTC-100 cable included
- **Composite Video & Audio:** Out only, Headphones, STV-250N cable included
- **Mic input:** auto or manual level audio control
- **USB:** In & Out, 2.0 Hi-speed, IFC-400PCU cable included

Optional Accessories:

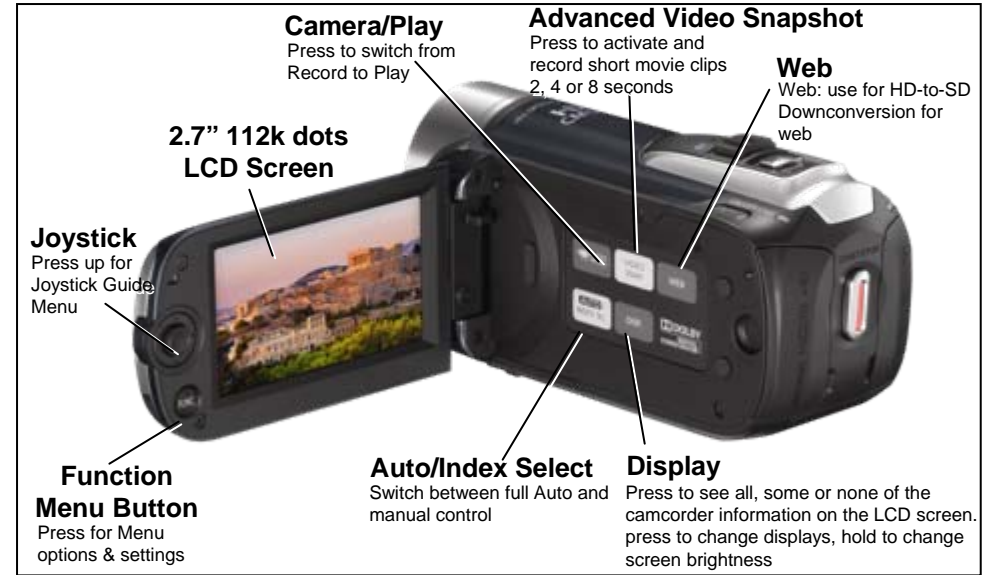
- BP-2L5 (45 min.*), NB-2LH (1 hr.) Battery Packs
- CB-2LW Wall Battery Charger
- CBC-NB2 Car Battery Charger
- HTC-100 Mini HDMI Cable
- SC-2000, SC-A1000, SC-A80, SC-A75 Carrying Cases
- 2.7" LCD Video Hood
- DA-10 or SW-10 Media Carrying Cases (black or maroon colors)
- DW-100 DVD Burner (for recordings up to 17 Mbps)

• **Warranty:** 1 year parts & labor, longer than some other's warranty

• **Note:** the HF R-series do not support: 24 Mbps Bit rate, Optical Image Stabilization Wide or Tele converters, Filters, Remote controller, Mini Advanced Accessory Shoe, Battery info. Display or Waterproof case






* all bit rates, recording and battery times are approximate

Nomenclature - VIXIA HF R-series Camcorders



VIXIA HF R-series HD Camcorders

Canon
Superior Image Quality

Model	Feature Set	Step Up Features
<p>VIXIA HFR100</p> 	<ul style="list-style-type: none"> ❑ SD Memory Card Slot ❑ Genuine 20x Canon HD Video Lens ❑ Canon 2.39-megapixel HD CMOS Image Sensor ❑ DIGIC DV III Image Processor ❑ Dynamic Image Stabilizer EIS ❑ Instant AF Autofocus ❑ 2.7" 112k dots LCD screen ❑ Smart Auto ❑ Genuine Canon Face Detection ❑ Advanced Video Snapshot ❑ HD-to-SD Downconversion: HFR11, HF R10 only ❑ Eye-Fi SD Memory card compatible: HF R11, HF R10 only ❑ Relay Recording: HF R11, HF R10 only ❑ Built-in 2-megapixel digital camera ❑ 60i, 24p Cinema, 30p Progressive ❑ 3 second Pre-record ❑ Photo Mode ❑ Joystick operation ❑ Quick Start ❑ Scene Divide In-camera Editing ❑ Menu Font Size: small or large 	
<p>VIXIA HFR10</p>  <p>Red Black Silver</p> <p> DUAL FLASH MEMORY</p>	<ul style="list-style-type: none"> ❑ SD Memory Card Slot ❑ Genuine 20x Canon HD Video Lens ❑ Canon 2.39-megapixel HD CMOS Image Sensor ❑ DIGIC DV III Image Processor ❑ Dynamic Image Stabilizer EIS ❑ Instant AF Autofocus ❑ 2.7" 112k dots LCD screen ❑ Smart Auto ❑ Genuine Canon Face Detection ❑ Advanced Video Snapshot ❑ HD-to-SD Downconversion: HFR11, HF R10 only ❑ Eye-Fi SD Memory card compatible: HF R11, HF R10 only ❑ Relay Recording: HF R11, HF R10 only ❑ Built-in 2-megapixel digital camera ❑ 60i, 24p Cinema, 30p Progressive ❑ 3 second Pre-record ❑ Photo Mode ❑ Joystick operation ❑ Quick Start ❑ Scene Divide In-camera Editing ❑ Menu Font Size: small or large 	<p>HF R100 Features plus...</p> <ul style="list-style-type: none"> ❑ Dual Flash Memory <ul style="list-style-type: none"> ▪ 8GB Internal Flash Drive ▪ 1 hr. (FXP) ▪ 3 hrs. (LP) ❑ Relay Recording ❑ HD-to-SD Downconversion ❑ Eye-Fi SD Memory card compatibility
<p>VIXIA HFR11</p>  <p> DUAL FLASH MEMORY</p>	<ul style="list-style-type: none"> ❑ SD Memory Card Slot ❑ Genuine 20x Canon HD Video Lens ❑ Canon 2.39-megapixel HD CMOS Image Sensor ❑ DIGIC DV III Image Processor ❑ Dynamic Image Stabilizer EIS ❑ Instant AF Autofocus ❑ 2.7" 112k dots LCD screen ❑ Smart Auto ❑ Genuine Canon Face Detection ❑ Advanced Video Snapshot ❑ HD-to-SD Downconversion: HFR11, HF R10 only ❑ Eye-Fi SD Memory card compatible: HF R11, HF R10 only ❑ Relay Recording: HF R11, HF R10 only ❑ Built-in 2-megapixel digital camera ❑ 60i, 24p Cinema, 30p Progressive ❑ 3 second Pre-record ❑ Photo Mode ❑ Joystick operation ❑ Quick Start ❑ Scene Divide In-camera Editing ❑ Menu Font Size: small or large 	<p>HF R10 Features plus...</p> <ul style="list-style-type: none"> ❑ Dual Flash Memory <ul style="list-style-type: none"> ▪ 32GB Internal Flash Drive ▪ 4:10 hrs. (FXP) ▪ 12:15 hrs. (LP)

VIXIA HV40 HDV Camcorder

Canon
Superior Image Quality

Canon's VIXIA HV40 offers advanced technology for superior HD image quality plus the convenience of HDV videotape, and now more video shooting modes for even greater creativity. This HD camcorder offers a complete HD experience.

VIXIA HV40



Kit Contents:

- HD Camcorder
- BP-2L13 Battery: 1:10 hr.*
- CA-570 Power Adapter
- WL-D87 Remote Control
- CTC-100 Component Cable
- IFC-300PCU USB Cable
- STV-250N A/V Cable

Software included:

- Canon Solution Disc: Ver. 32.0
- Zoom Browser EX for PC
 - Image Browser for MAC

Key Features

- **Recording Media:**
VIXIA HV40:
Video: HDV Videotape
Photos: Mini SD Memory Card
- **Canon Digital Imaging Trinity:** designed & manufactured by Canon
 1. **Genuine Canon Optics – HD Video Lens:** 10x Zoom
 2. **Canon Full HD CMOS Image Sensor:** 2.96 Megapixels
 3. **DIGIC DV II Image Processor:** for high-speed signal processing
- **Super Range Optical Image Stabilizer:** for steady video and blur-free photos
- **Instant AF:** hybrid autofocus for fast focusing near or far, even in lowlight
- **25 Mbps Bit Rate:** for more visible detail in moving subjects
- **4 Video Modes:** 60i, Native 24p Frame, 24p Cinema, 30p Progressive
- **AUTO or P Modes:** fully automatic, or P for changing settings
- **Programmed AE:** AUTO, P, Tv, Av, CINE
- **Special Programmed Scene Modes:** Portrait, Sports, Night, Snow, Beach, Sunset, Spotlight, Fireworks
- **Multi-angle Vivid LCD Screen + viewfinder**
- **Custom Key:** program a frequently used function to this button for easy on/off
 - Assist: turn Zebra Pattern or Peaking on/off
 - Marker Display: turn on/off
 - Back Light Control: turn on/off
 - Magnify: turn MAGN. or MAGN REC. on/off
- **Built-in Video Light:** up to 4.9 ft.
- **Photo Mode:** single shot or up to 5 fps
- **Photo Capture From Video:** Single photos
- **Built-in Flash:** up to 6.6 ft.
- **Advanced Accessory Shoe:** add an optional mic or video light
- **Joystick:** easy operation, firm grip, and avoids fingerprints on the viewscreen
- **Marker Display:** frame better shots, avoid shooting crooked video
- **Mic input:** use an optional hand held or clip-on microphone
- **Analog Line Input:** the composite AV terminal accepts a video signal from an external device i.e. VCR or camcorder. Great for dubbing.

Specifications

Lens: 10x, 6.1-61mm, f/1.8, 43.6-436mm (35mm) 43mm Diameter
Image Sensor: CMOS, 1/2.7", 2.96 Megapixels, Bayer Pattern RGB Color Filter
Compression: Video (MPEG2, DV Compression), Photos (JPEG)
Audio: MPEG1 Audio Layer II, 2 channel
Bit Rate: 25 Mbps Megabits per second

<u>Video Mode</u>	<u>Resolution</u>	<u>Recording Time w/80 min. tape</u>
HDV	1440 x 1080	1:20 hrs.*
SP (DV)	1440 x 1080	1:20 hrs.*
LP (DV)	1440 x 1080	3 hrs.*

Photo Resolution: recorded to Mini SD Memory Card w/ 1GB Mini SD Card

L (2048 x 1536) 3.1M	470 photos
LW (1920 x 1080)	710 photos
M (1440 x 1080)	940 photos
SW (848 x 480)	3550 photos
S (640 x 480)	4645 photos

Terminals:

- **HDMI video & audio:** standard-type Out only, cable optional
- **Component Video:** Out only, CTC-100 cable included
- **Composite Video & Audio:** In/Out, Headphones, STV-250N cable included
- **Mic Input:** auto or manual audio level control
- **HDV:** (Firewire) In/Out
- **USB:** In/Out, Full-speed, IFC-300PCU USB Cable included

Optional Accessories:

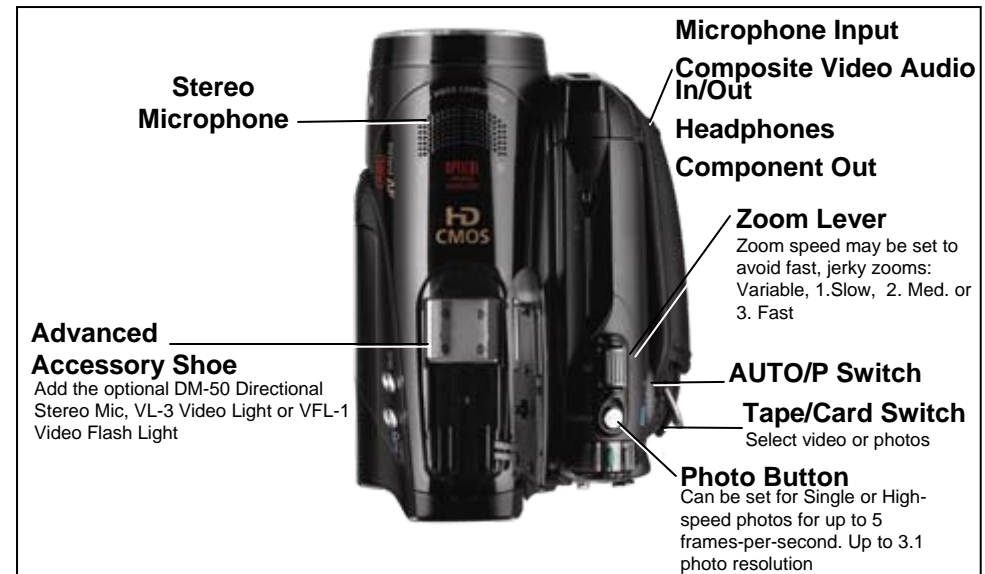
- NB-2LH (35 min.*), BP-2L14 (1:20 hr.*), 2L24H (2:20 hr.*) Battery Packs
- CB-2LW Wall Battery Charger
- CBC-NB2 Car Battery Charger
- TL-H43 Tele-converter
- WD-H43 Wide-converter
- Filter Set FS43U II (1 Protection Filter and 1 Neutral Density Filter)
- VL-3 Video Light or VFL-1 Video Flash Light
- DM-50 Directional Stereo Microphone
- SC-2000, SC-A1000, SC-A80, SC-A75 Carrying Cases
- Multi-Camcorder Starter Kit (SCA-60 Case, BP-2L13 Battery)
- Mini DV Starter Kit Basic (SCA-60 Case, NB-2LH Battery, 1 hr. Mini DV tape)
- Mini DV Starter Kit (SCA-60 Case, BP-2L24H Battery, 1 hr. Mini DV tape)
- 2.7" LCD Video Hood

Warranty: 1 year parts & labor, longer than some other's warranty

* all recording and battery times are approximate

Nomenclature – VIXIA HV40

Canon
Superior Image Quality



FS-series Flash Memory Camcorders

Canon
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Canon FS-series standard definition Flash Memory Camcorders offer advanced technology for great image quality, variety and creativity too. Advanced Zoom, Video Snapshot and Quick Charge help these camcorders keep the fun going longer.

FS31



FS300



Red
Silver
Blue

Kit Contents:

- FS Camcorder
- BP-808 Battery: 1:45 hr.*
- CA-570 Power Adapter
- IFC-400PCU USB Cable
- STV-250N A/V Cable

Software included:

- Pixela Image Mixer: 3SE for Windows XP, VISTA or Windows 7
- Disc 1: Transfer & Music Utilities
- Disc 2: Video Tools

Key Features
Red denotes new feature

- **Recording Media:** (Class 4, 6 or 10 SD Memory card)
- **FS31: 16GB Internal Flash Drive + SD Memory Card Slot**
- **FS300: SDHC Memory Card Slot only**
- **Ultra-compact**
 - Sleek, lightweight design
- **Genuine Canon Video Lens:** 37x optical zoom; 41x Advanced Zoom
 - Provides a wider view to see more action across a playing field
 - Zooms farther than others for better close up shots
 - Unlike digital zooms, Advanced Zoom preserves image quality
- **DIGIC DV II Image Processor:** for fast signal processing
- **Dynamic Image Stabilizer EIS:** stabilizes through the entire zoom range plus extra compensation at the wide end
- **Video Snapshot Mode:** record video in 4 sec. clips & add music for videos that are more fun and entertaining to watch
- **Quick Start:** power on by opening/closing the LCD screen; record in under 1 sec.
- **Widescreen HR (high resolution):**
 - Switch from 4:3 to 16:9 wide mode: a wider view to see more of the playing field and more of the action
 - 2.7" Widescreen LCD panel: 16:9 wide view to see what's being recorded
 - Widescreen HR recording: can fill a 16:9 TV edge to edge or show as 16:9 on a 4:3 TV
- **Quick Charge:** charges batteries fast, 10 min. of charging for 30 min. of shooting or 20 min. charging for 60 min. of shooting
- **Dual Shot:** record video or photos without changing modes
- **Intelligent Lithium-ion Battery**
- **Built-in Video Light:** up to 4.9 ft. works in video and photo modes
- **3 second Pre-record:** avoid missing the start of action by recording a pre-roll
- **Joystick:** easy operation, firm grip, for opening menus & changing settings
- **Scene Divide:** edit video clips inside the camcorder
- **Mic input: none**

Specifications
Red denotes new feature or accessory

Lens: 37x optical zoom, 2.6-96.2mm, f/2.0-5.2, 45.8-1695mm (35mm)
Image Sensor: CCD, 1/6", 680k pixels
Compression: Video (MPEG-2), Photos (JPEG)
Audio: Dolby Digital, 2 Channels

Video Mode	Bit Rate	Record Times	16GB
XP	9 Mbps*		3:40 hrs.
SP	6 Mbps*		5:30 hrs.
LP	3 Mbps*		10:25 hrs.

Photo Resolution: Photo mode
 L (1024 x 768)
 LW (not possible)
 S (640 x 480)

Terminals:

- **Composite Video & Audio:** Out only, Headphones, STV-250N cable included
- **USB High-speed:** In/Out, IFC-400PCU USB cable included
- **Mic input: none**

Optional Accessories:

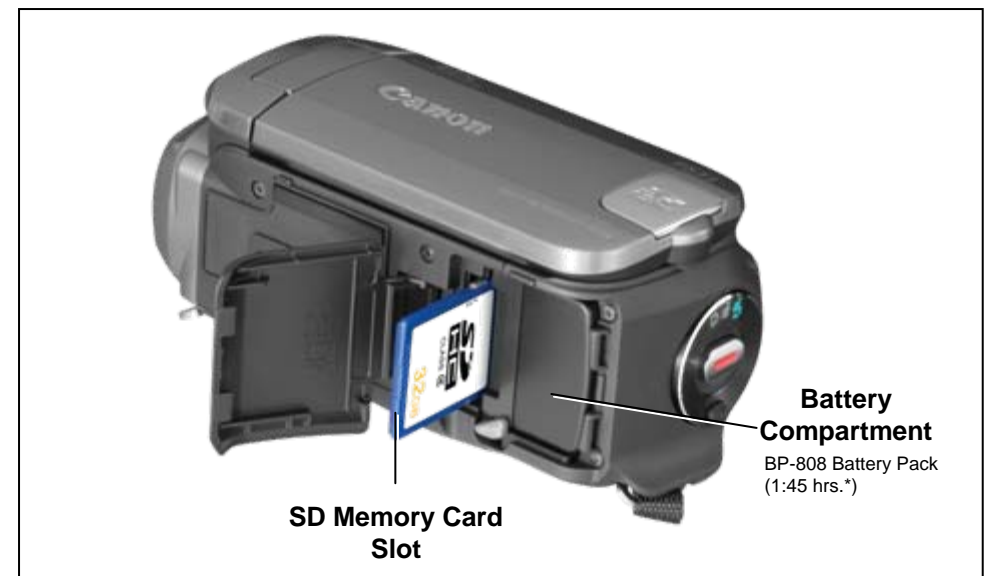
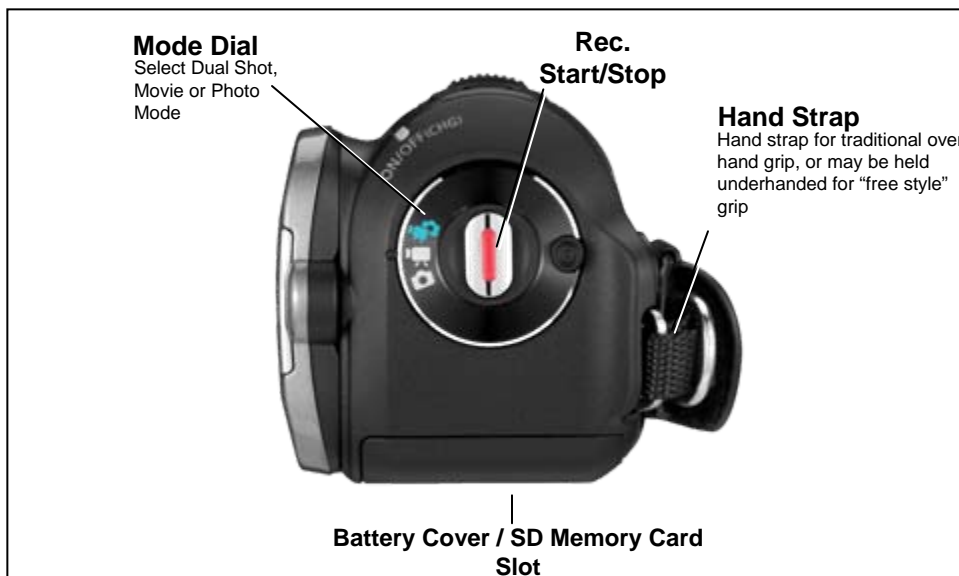
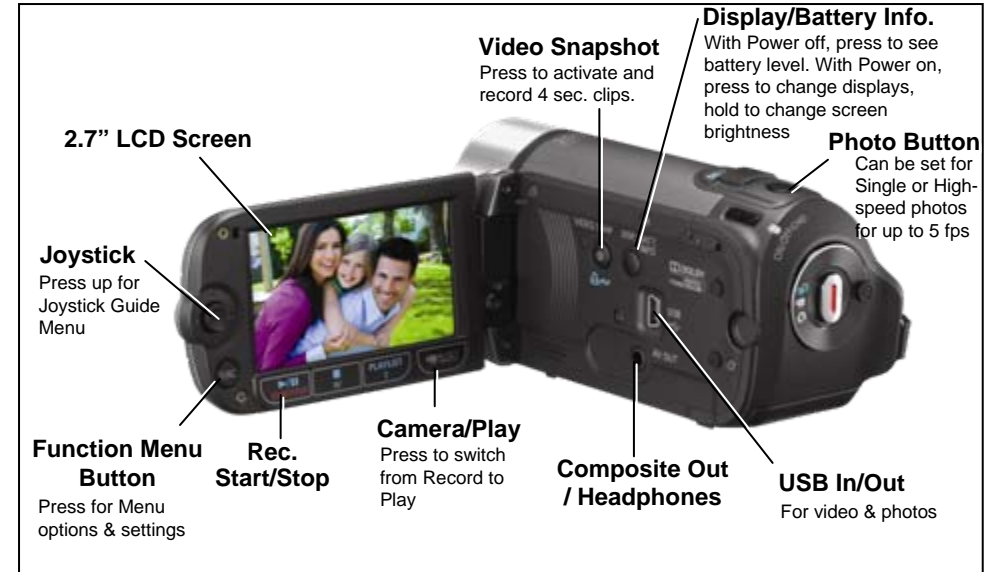
- **BP-808 (1:45 hr.*) Battery Pack**
- **CG-800 Wall Battery Charger**
- **FS-Series Starter Kit** (FC-10 Case, BP-808 Battery, 2GB SD Memory Card)
- **Flash Memory Starter Kit** (Case, BP-808 battery, SD Memory Card, SW-10 black Media Carrying Case)
- **FC-10 Carrying Case, SC-2000, SC-A80, SC-A75, SC-A1000 Carrying Cases**
- **2.7" LCD Video Hood**
- **DA-10, SW-10 Media Carrying Cases** (black or maroon colors)
- **DW-100 DVD Burner**

Warranty: 1 year parts & labor, longer than some other's warranty



* all bit rates, recording and battery times are approximate

Nomenclature – FS31 / FS300

Canon
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FS-series Camcorders

Model	Feature Set	Step Up Features
<p>FS300</p>  <p>Red Silver Blue</p>	<ul style="list-style-type: none"> ❑ SD Memory Card Slot ❑ Ultra-Compact Size ❑ Genuine Canon 41x Advanced Zoom ❑ DIGIC DV II Image Processor ❑ Dynamic Image Stabilizer EIS ❑ Video Snapshot ❑ Quick Start 	<ul style="list-style-type: none"> ❑ FS300 available in colors: <ul style="list-style-type: none"> ▪ Red ▪ Silver ▪ Blue
<p>FS31</p>  <p>DUAL FLASH MEMORY</p>	<ul style="list-style-type: none"> ❑ Widescreen HR: a wider view to see more of the playing field and more action <ul style="list-style-type: none"> ▪ 16:9 Recording ▪ 2.7" Widescreen LCD Display ▪ 16:9 Playback on 4:3 TV ❑ Quick Charge ❑ Dual Shot ❑ Intelligent Lithium-ion Battery ❑ Built-in LED Video Light ❑ 3 second Pre-record ❑ Joystick operation ❑ Scene Divide In-camera Editing ❑ Microphone Input: none 	<ul style="list-style-type: none"> ❑ FS300 Features plus... ❑ Dual Flash Memory <ul style="list-style-type: none"> ▪ 16GB Internal Flash Drive ▪ 3:40 hrs. (XP) ▪ 10:25 hrs. (LP)

VIXIA Camcorder Line Step Up Features



VIXIA HF S-series	VIXIA HF M-series	VIXIA HF R-series
<ul style="list-style-type: none"> ❑ HF S21 64GB + 2 card slots - \$1399.99 ❑ HF S20 32GB + 2 card slots - \$1099.99 ❑ HF S200 2 card slots - \$999.99 	<ul style="list-style-type: none"> ❑ HF M31 32GB + 1 card slot - \$799.99 ❑ HF M30 8GB + 1 card slot - \$699.99 ❑ HF M300 1 card slot - \$679.99 	<ul style="list-style-type: none"> ❑ HF R11 32GB + 1 card slot - \$699.99 ❑ HF R10 8GB + 1 card slot - \$549.99 ❑ HF R100 1 card slot - \$499.99
1/2.6", 8.59-megapixels Full HD CMOS	1/4", 3.89-megapixels Full HD CMOS	1/5.5", 2.59-megapixels HD CMOS
10x zoom	15x zoom	20x zoom
3.5" Touch Panel LCD 922k-dots	2.7" Touch Panel LCD 211k-dots	2.7" LCD 112k-dots
8M Photos	3M Photo	2M Photos
Video Light & Flash	Video Light & Flash	X
Advanced Mini Shoe	Advanced Mini Shoe	X
Powered IS	Powered IS	X
Pro Assist: Zebra Pattern, Color Peaking, Bars & Tone	X	X
Custom Key	X	X
24p Native	X	X
LANC Terminal	Yes. with optional RA-V1	X
EVF (HF S21 only)	X	X
External Battery Compartment BP-808, BP-819, BP-827	External Battery Compartment BP-808, BP-819, BP-827	Internal Battery Compartment BP-2L5, NB-2LH

2010 Camcorder New Feature Summary



	VIXIA HF S-series	VIXIA HF M-series	VIXIA HF R-series	FS-series
Touch Panel	Yes	Yes	N/A	N/A
Touch & Track	Yes	Yes	N/A	N/A
Smart AUTO	Yes	Yes	Yes	N/A
Powered IS	Yes	Yes	N/A	N/A
Advanced Video Snapshot	Yes	Yes	Yes	Yes
HD-to-SD Downconversion	Yes	Yes (except HF M300)	Yes (except HF R100)	N/A
Relay Recording	Yes	Yes (except HF M300)	Yes (except HF R100)	N/A
Eye-Fi Card Compatible	Yes	Yes (except HF M300)	Yes (except HF R 100)	N/A

Camcorder	Toy Camcorder	Digital Camera	Digital SLR
<ul style="list-style-type: none">▪ Designed for shooting video▪ Best ergonomics for shooting video▪ Full HD video 1920 x 1080▪ Best match for HDTVs▪ Long recording time▪ Long zoom lenses 10x, 15x, 20x, best for zooming while recording▪ Multiple zoom speeds▪ Excellent image controls▪ Good microphone, mic input and audio level control▪ Better battery life▪ More accessories to enhance performance	<ul style="list-style-type: none">▪ Good for shooting short clips▪ Not Full HD video▪ Good for Internet, not good for HDTVs▪ No long optical zoom lens▪ No optical image stabilization▪ Very limited video image controls▪ Very limited audio controls▪ Poor low light image quality▪ No removable media▪ No accessories	<ul style="list-style-type: none">▪ Designed for shooting photos▪ Not Full HD▪ 1080 – 20 fps▪ 720 – 30 fps▪ Short zoom▪ Very compact	<ul style="list-style-type: none">▪ Designed for shooting photos▪ Large image sensor for excellent video and low light quality▪ Interchangeable lenses, best depth-of-field control▪ Limited video image control▪ Limited audio control

Flash Memory Recording Times



High Definition					
	MPX Highest Quality Approx. 24 Mbps	FXP High Quality Approx. 17 Mbps	XP+ High Quality Approx. 12 Mbps	SP Standard Approx. 7 Mbps	LP Long Play Approx. 5 Mbps
64GB Built-in VIXIA HF S21	5 hr. 55 min.	8 hr. 20 min.	11 hr. 30 min.	19 hr. 10 min.	24 hr. 30 min.
32GB Built-in VIXIA HF S20 VIXIA HF M31 VIXIA HF R11	2 hr. 55 min.	4 hr. 10 min.	5 hr. 45 min.	9 hr. 35 min.	12 hr. 15 min.
32GB Built-in VIXIA HF R11	-	4 hr. 10 min.	5 hr. 45 min.	9 hr. 35 min.	12 hr. 15 min.
8GB Built-in VIXIA HF M30	40 min.	60 min.	1 hr. 25 min.	2 hr. 20 min.	3 hr.
8GB Built-in VIXIA HF R10	-	60 min.	1 hr. 25 min.	2 hr. 20 min.	3 hr.
SD Memory Cards					
4GB	20 min.	30 min.	40 min.	1 hr. 10 min.	1 hr. 30 min.
8GB	40 min.	60 min.	1 hr. 25 min.	2 hr. 20 min.	3 hr.
16GB	1 hr. 25 min.	2 hr. 5 min.	2 hr. 50 min.	4 hr. 45 min.	6 hr. 5 min.
32GB	2 hr. 55 min.	4 hr. 10 min.	5 hr. 45 min.	9 hr. 35 min.	12 hr. 15 min.



Flash Memory Recording Times

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Standard Definition			
	XP High Quality Approx. 9 Mbps	SP Standard Approx. 6 Mbps	LP Long Play Approx. 3 Mbps
FS31 (16GB)	5 hr. 30 min.	5 hr. 30 min.	10 hr. 25 min.
SD Memory Cards			
2GB	25 min.	40 min.	1 hr. 15 min.
4GB	55 min.	1 hr. 20 min.	2 hr. 35 min.
8GB	1 hr. 50 min.	2 hr. 45 min.	5 hr. 10 min.
16GB	3 hr. 40 min.	5 hr. 30 min.	10 hr. 25 min.
32GB	7 hr. 20 min.	11 hr.	20 hr. 50 min.



XHG1s / XHA1s HDV Camcorders

Canon
Superior Image Quality

XHG1s



XHA1s



Kit Contents:

- XHG1s/XHA1s Camcorder
- BP-950G Battery: 3:10 hrs*
- CA-920 Power Adapter
- DC-920 Power Coupler
- WL-D5000 Wireless Remote
- DTC-1000 Component Cable
- STV-290N Stereo Video Cable
- Lens Hood
- Eyecup
- External Microphone Holder Adjustment Band
- HDV Digital Video Cassette
- SDC-32M SD Memory Card
- SS-1100 Shoulder Strap
- Tripod Adapter Base
- 2x AA Batteries for Remote

Software included:

None

Professionals who require a smaller, lighter HD camcorder will appreciate the XHG1s or XHA1s for the revolutionary combination of features that provide the ultimate in HD image quality, versatile image and audio control and multi-layered customization. And for multi-camera or studio configurations, the XHG1s offers pro level connectivity and synchronization.

Key Features

- **Recording Media:**
 - **Video:** HDV videotape, a well-established & affordable format backed by many companies
 - **Photos:** SD Memory Card. Maximum resolution 2.07 Megapixels
- **Genuine Canon Optics:** 20x Optical High Definition L-series Zoom Lens
- **Image Sensors:** Three 1/3", Native 16:9, 1.67 Megapixels (1440 x 1080)
- **DIGIC DV II Image Processor:** for fast signal processing & high image quality
- **Super Range Optical Image Stabilizer**
- **Instant AF:** hybrid autofocus for fast focusing, near or far, even in low light
- **25 Mbps Bit rate:** for more visible detail in moving subjects
- **Video Modes:** SD: 4:3 or 16:9 aspect ratio HD: 60i, 30F Progressive, 24F Progressive Frame Rates
- **Programmed AE:** EASY Record, Night, Spotlight, Av, Tv, Auto, Manual
- **Image Controls:**
 - **Exposure:** Auto, AE Shift, Iris Limiter, Manual, Push AE
 - **Gain:** Auto, Manual (-3dB to +18dB), AGC Limiter, Customizable levels
 - **White Balance:** 2000k to 15,000k in 100k increments
- **Custom Presets:**
 - Users can customize up to 23 parameter levels to control the image
 - A group of parameters can be set as a Custom Preset File
 - Custom Preset Files can be saved to the camera or a SD Memory Card
 - Files can be copied to/from select Canon XL and XH series camcorders
 - Presets include Gamma, Black Level, Sharpness and Master Color among many others.
- **Custom Functions:**
 - Users can customize the camcorder operation to their preferences
 - 21 functions can be customized
 - 3 Custom Function Files can be saved to the camera or a SD Memory Card
 - Files can be copied to/from select Canon XL or XH series camcorders
 - Functions include zoom, focus, iris, button operation among many others
- **Custom On-screen Displays:**
 - Users can customize which of 22 icons are displayed on LCD screen/EVF
- **Audio:**
 - 2 channel (SD PCM 16 or 12 bit) (HD MPEG1)
 - 2 XLR audio connectors built in, Mic or Line level, Phantom power +48dB
- **Photo Recording:**
 - Video Mode: records photos to SD Card while recording video
 - Photo Mode: Single shot, Drive mode: 3 or 5 fps, Max. resolution 2.07 MP
- **Dual grip:** side hand grip and top handle grip, both with zoom & record controls

Specifications

Lens: 20x, 4.5-90mm, f/1.6 to 3.5, 32.5-650mm (35mm) 72mm diameter

Image Sensors: Three, CCD, 1/3" 1.67 Megapixels (1440 x 1080)

Compression: Video (MPEG-2 DV Compression) Photos (JPEG)

Audio: 2 channels: SD: PCM 16 or 12 bit. HD MPEG1

Video Mode	Resolution	Record Time w/80 min. tape*
HD	1440 x 1080	1:50 hrs.
SP (SD)	1440 x 1080	2:45 hrs.
LP (SD)	1440 x 1080	5:10 hrs.

Terminals:

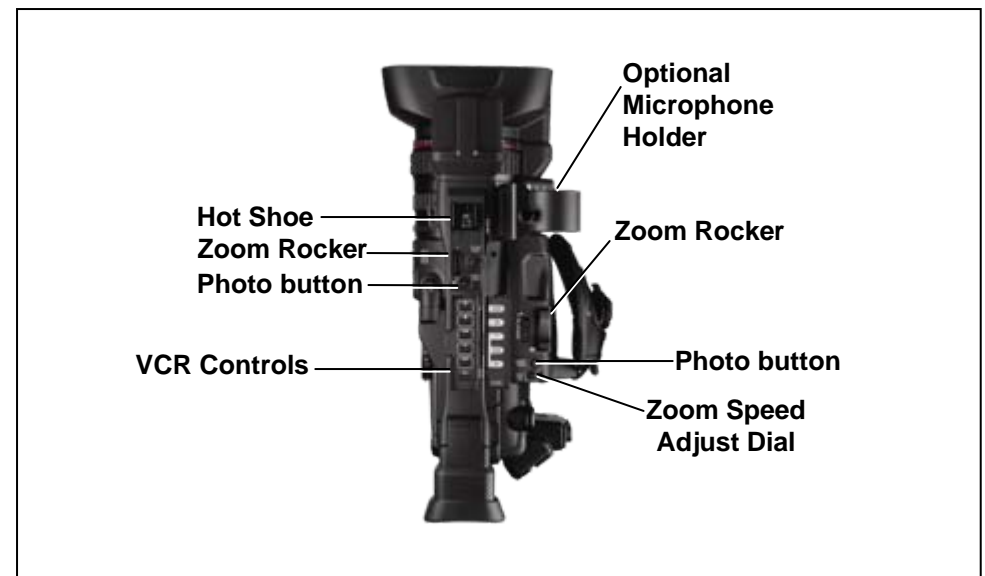
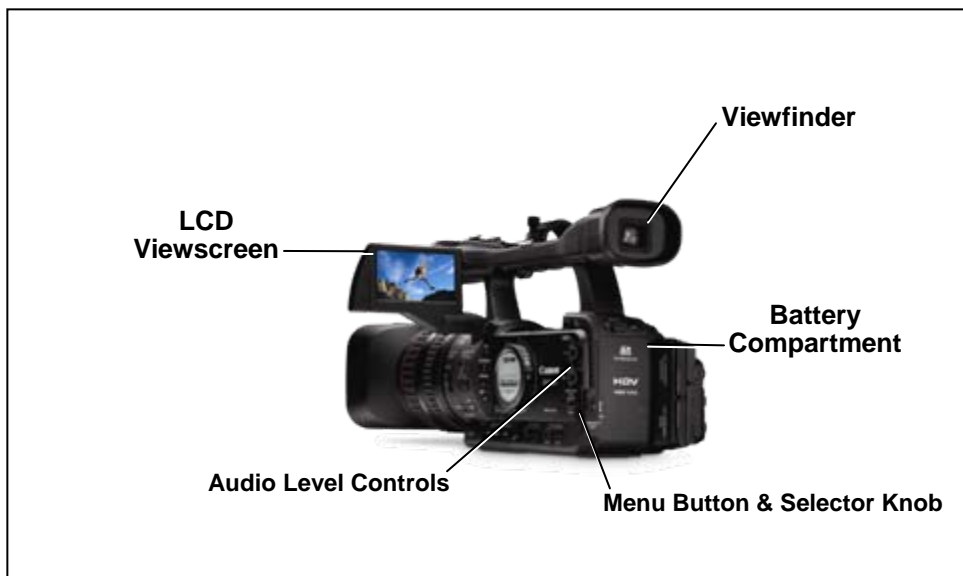
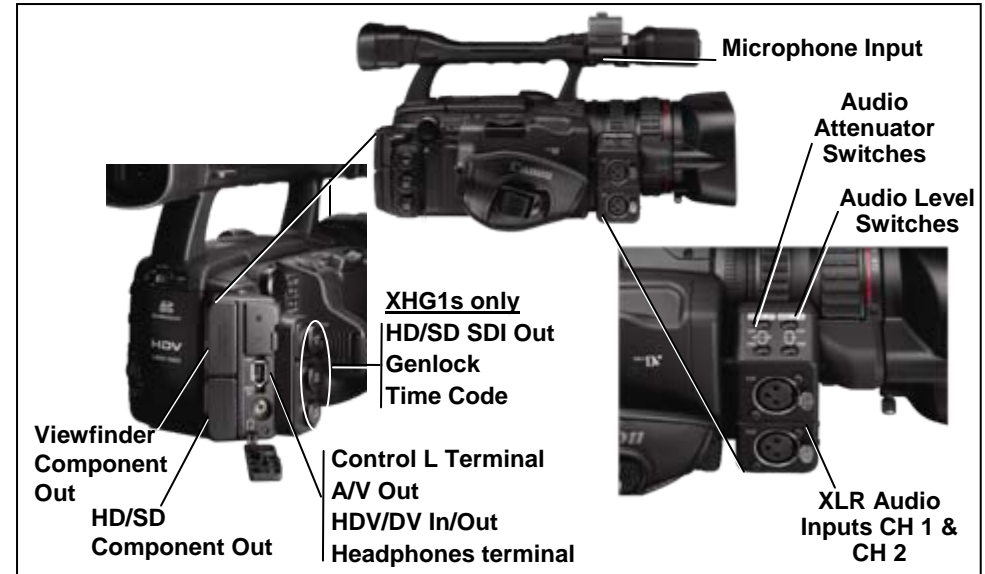
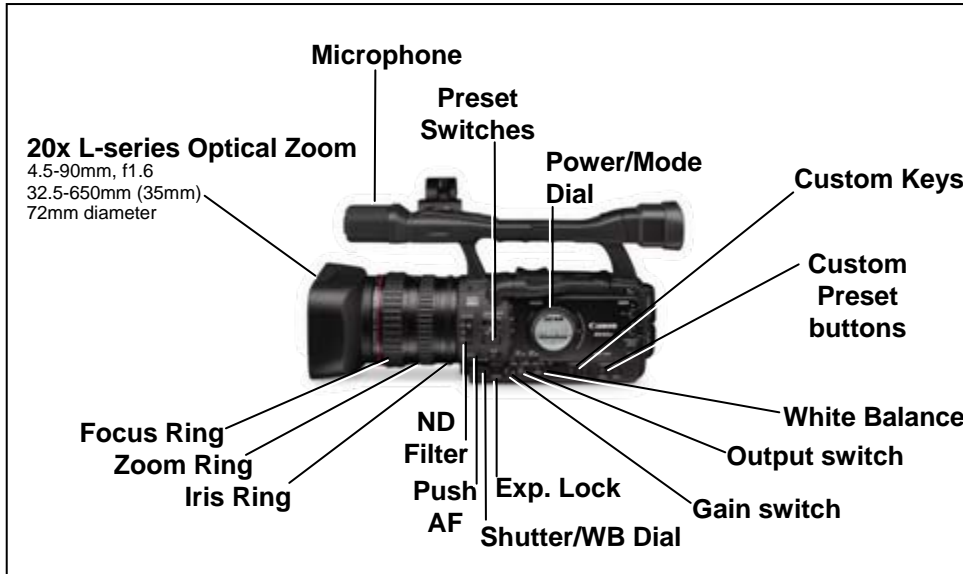
- **Viewfinder Component Out**
- **HD/SD Component Out:** DTC-1000 Component Cable Included
- **HDV/DV Terminal In/Out** a.k.a. Firewire
- **Composite Video & Audio:** Out, STV-250N cable included
- **Mic input 3.5mm**
- **2 XLR Audio Connectors**
- **LANC Control L Terminal**
- **Headphones Terminal**
- **HD/SD SDI Out, Genlock, Time Code In/Out (XHG1s only)**

Optional Accessories:

- **Battery Packs:** BP-930 (1:30 hr.*), BP-945 (2:15 hrs.*), BP-950G (3:10 hrs.*) BP-970G (4:20 hrs.*)
- **FS-CV 100GB Hard Disk Drive Recorder**
- **WD-H72 Wide Converter**
- **FS-72U Filter Set:** Neutral Density, Polarizer and Ultra Violet filters
- **VL-10Li II Battery Video Light,** requires a BP-series battery pack
- **Select Canon Speedlight Flashes:** 580EX II, 430EX II, 220 EX
- **ZR1000 or ZR2000 Zoom Remote Controller**
- **CH-910 Dual Battery Charger/Holder or CB-920 Car Battery Adapter**
- **Case options:** HC-4200 hard case, KATA Med. Soft case, KATA Backpack, Roller case
- **Steady Stick or SBR-1000 Shooting Brace**
- **TA-100 Tripod Adapter**
- **PAL optional upgrade**
 - Adds 50i (25F) recording mode, service performed by Canon

*recording and battery times are approximate

Nomenclature – XHG1s / XHA1s



XF305 / XF300 Professional Camcorders

Canon
Superior Image Quality

XF305



XF300



Kit Contents:

- XF305/XF300 Camcorder
- BP-955 Battery: 280 min. *
- CA-930 Power Adapter
- DC-930 Power Coupler
- WL-D6000 Wireless Remote
- DTC-1500 Component Cable
- Lens Hood
- Eyecup
- SS-1200 Shoulder Strap

Software included:

Canon XF Utilities Disc

Featuring MPEG-2 4:2:2 50Mbps recording directly to low-cost Compact Flash cards, the XF305 and XF300 Professional Camcorders are designed to operate seamlessly within established industry workflows, quickly delivering outstanding image quality for any application.

Key Features

- **Recording Media:**
 - **Video:** Compact Flash (CF) card, a media which is both cost-effective and universally available
 - **Photos:** SD Memory Card. Maximum resolution 1920 x 1080. Custom settings and metadata be saved to SD card as well.
- **File-based recording:** MPEG-2 4:2:2 50Mbps (Canon XF Codec)
- **Genuine Canon Optics:** 18x HD L-Series Lens
 - Full Manual mode with mechanical hard stops for zoom and focus
- **Image Sensors:** Three 1/3" Canon native 1920 x 1080 CMOS
- **DIGIC DV III Image Processor:** for enhanced shading and lifelike tonal reproduction
- **Super Range Optical Image Stabilizer with Dynamic and Powered Modes**
- **Instant AF:** hybrid autofocus for fast focusing, near or far, even in low light
- **Multiple recording bit rates, resolutions, and variable frame rates**
- **Slow motion, fast motion, interval, and frame recording**
- **XF305 Only:** Industry Standard HD/SD SDI output, genlock, and SMPTE time code terminals
- **Large 4.0-inch 1.23 Megapixel LCD monitor and 0.52-inch High Resolution 1.55 Megapixel EVF**
- **Fully customizable image, operation, and display adjustments** (all data can saved on SD memory cards and shared with other XF series camcorders)
 - **Custom Picture Settings** – 9 available in camera, 20 can be saved to card
 - **Custom Functions**- 12 available
 - **Assign Buttons**- 30 functions can be assigned to 13 buttons for quick access
 - **Custom Display** – LCD and EVF can be fully customized to display only desired items
- **Onboard waveform monitor and vectorscope** ensure exposure and color accuracy during capture
- **Focus Assist:** Edge Monitor Focus Assist, (2) Peaking Modes, Magnify
- **Audio:**
 - 2 channel, 16 bit, PCM, 48kHz
 - Built-in microphone
 - 2 XLR audio connectors built in, Mic or Line level, Phantom power +48dB
 - Independent level control
- **Refined Ergonomics:** Maximizes shooting comfort and usability

Specifications

Lens: 18x, 4.1-73.8mm, f/1.6 to 2.8, 29.3-527.4mm (35mm) 82mm diameter

Image Sensors: Three, CMOS, 1/3" 2.07 Megapixels (1920 x 1080)

Compression: Video (MPEG-2) Photos (JPEG)

Audio: 2 channels: PCM 16-Bit; 48kHz

Video Mode	Resolution	Frame Rate
50Mbps (CBR) 4:2:2	1920 x 1080	60i/30p/24p
50Mbps (CBR) 4:2:2	1280 x 720	60p/30p/24p
35Mbps (VBR) 4:2:0	1920 x 1080	60i/30p/24p
35Mbps (VBR) 4:2:0	1280 x 720	60p/30p/24p
25Mbps (CBR) 4:2:0	1440 x 1080	60i/30p/24p

Recording Media: Compact Flash card (Type 1 Only); 2 Slots (Movie Files)

SD memory card (Still Images, Custom Picture Data, Clip Metadata, and Custom settings)

Maximum Recording Time (with one 64GB CF card):

50Mbps: 160 min. 35Mbps: 225 min. 25Mbps: 310 min.

Terminals:

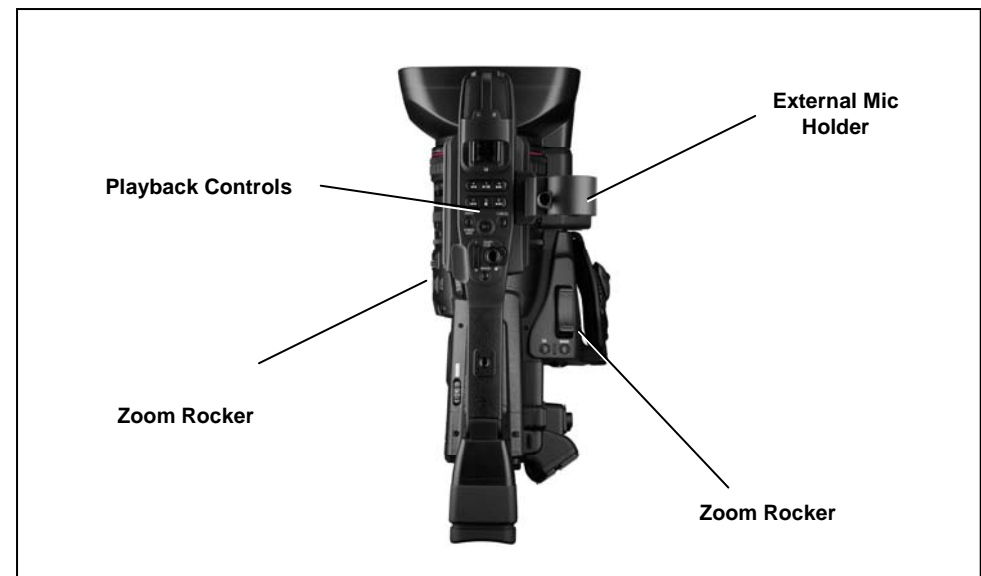
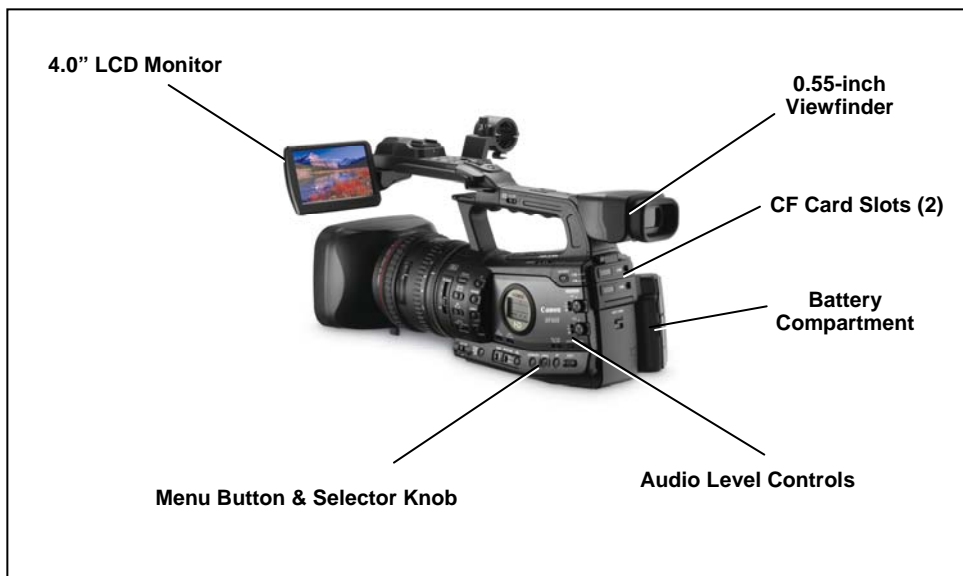
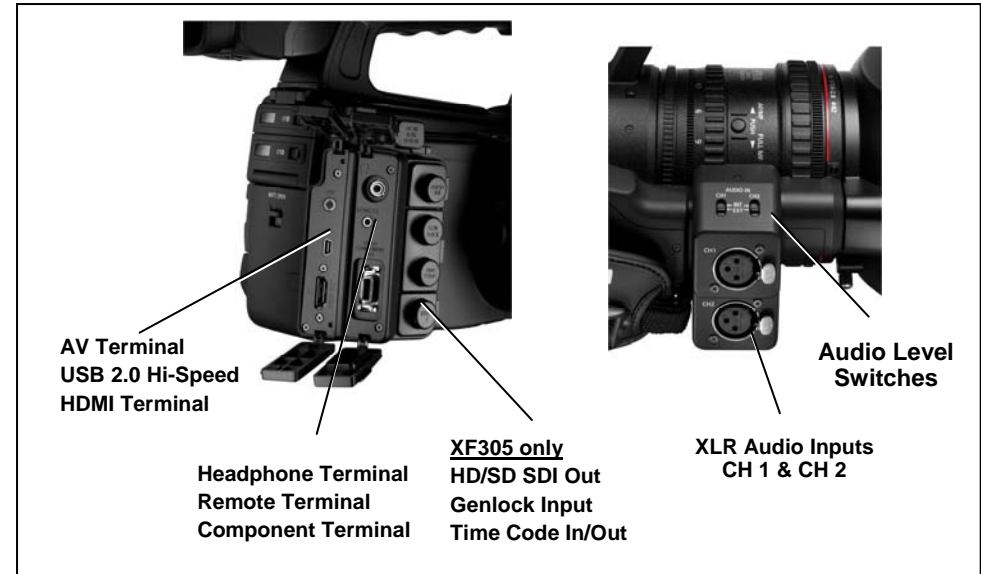
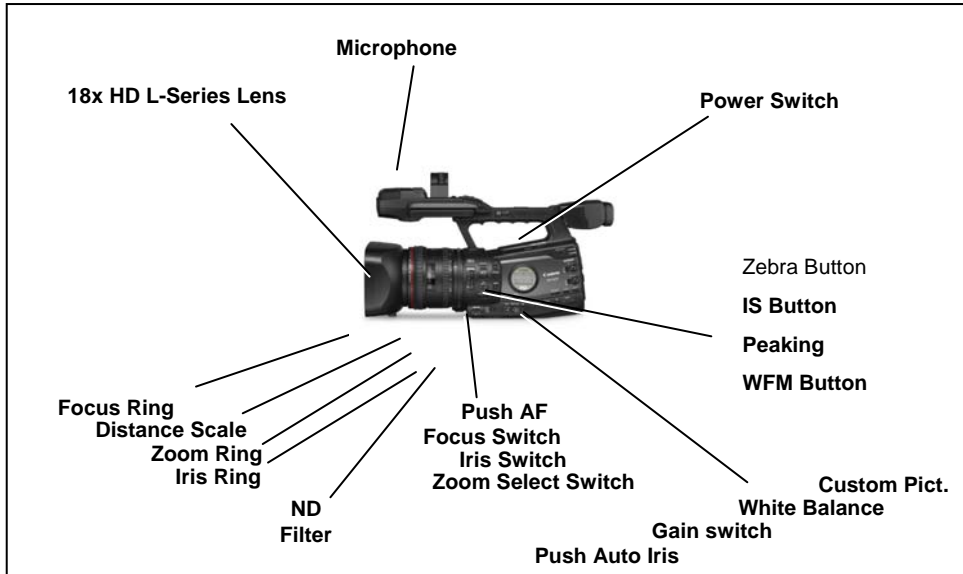
- HD/SD SDI output, genlock input, time code input/output (XF305 only)
- **Component output:** DTC-1500 Component Cable Included
- **Composite Video & Audio:** output
- 2 XLR Audio Connectors
- **Remote Control Terminal (compatible with LANC protocol)**
- **Headphones Terminal**

Optional Accessories:

- **Battery Packs:** BP-930 (130 min.*), BP-945 (200 min.*), BP-950G (280 min.*) BP-970G (390 min.*), BP-955 (265 min.*), BP-975 (405 min.*)
- **WA-H82 Wide Attachment**
- **VL-10Li II Battery Video Light**, requires a BP-series battery pack
- **ZR1000 or ZR2000 Zoom Remote Controller**
- **CH-910 Dual Battery Charger/Holder or CB-920 Car Battery Adapter**
- **Case options:** KATA Med. Soft case, Roller case
- **SBR-1000 Shooting Brace**
- **TA-100 Tripod Adapter**
- **TB-1 Tripod Base Adapter**
- **Optional 50i/50P/25P upgrade** (performed by Canon Factory Service Center)

*recording times are approximate (XF300, 50Mbps, LCD only)

Nomenclature – XF305 / XF300



XLH1s / XLH1A HDV Camcorders

Canon
Superior Image Quality

XLH1s



XLH1A



Kit Contents:

- XLH1S/XLH1A Camcorder
- 20x HD Video Zoom Lens III
- Color Viewfinder
- BP-950G Battery: 3:10 hrs*
- CA-920 Power Adapter
- DC-920 Power Coupler
- WL-D5000 Wireless Remote
- DTC-1000 Component Cable
- STV-290N Stereo Video Cable
- Camera Dust Cap
- Lens Hood
- Lens Soft Case
- Microphone Unit
- Mic Holder Adjust. Band
- HDV Digital Video Cassette
- SDC-32M SD Memory Card
- SS-1100 Shoulder Strap
- External Monitor Cable
- Tripod Adapter Base
- Adapter Holder Plate
- 2x AA Batteries for Remote

Software included:

None

The Canon XL-series HDV camcorders host the finest in HD capture capability, image control and customization, making them favorites among independent filmmakers, corporate and event shooters and broadcast and news market professionals. The interchangeable lens system permits choosing the right lens for the situation, and the XLH1s offers pro level connectivity and synchronization.

Key Features

- **Recording Media:**
 - **Video:** HDV videotape, a well-established & affordable format backed by many companies
 - **Photos:** SD Memory Card. Maximum resolution 2.07 Megapixels
- **Genuine Canon Optics:** 20x Optical High Definition L-series Zoom Lens
- **Image Sensors:** Three 1/3", Native 16:9, 1.67 Megapixels (1440 x 1080)
- **DIGIC DV II Image Processor:** for fast signal processing & high image quality
- **Super Range Optical Image Stabilizer**
- **25 Mbps Bit rate:** for more visible detail in moving subjects
- **Video Modes:** SD: 4:3 or 16:9 aspect ratio HD: 60i, 30F Progressive, 24F Progressive Frame Rates
- **Programmed AE:** EASY Record, Night, Spotlight, Av, Tv, Auto, Manual
- **Image Controls:**
 - **Exposure:** Auto, AE Shift, Iris Limiter, Manual, Push AE
 - **Gain:** Auto, Manual (-3dB to +18dB), AGC Limiter, Customizable levels
 - **White Balance:** 2000k to 15,000k in 100k increments
- **Custom Presets:**
 - Users can customize up to 23 parameter levels to control the image
 - A group of parameters can be set as a Custom Preset File
 - Custom Preset Files can be saved to the camera or a SD Memory Card
 - Files can be copied to/from select Canon XL and XH series camcorders
 - Presets include Gamma, Black Level, Sharpness and Master Color among many others.
- **Custom Functions:**
 - Users can customize the camcorder operation to their preferences
 - 21 functions can be customized
 - 3 Custom Function Files can be saved to the camera or a SD Memory Card
 - Files can be copied to/from select Canon XL or XH series camcorders
 - Functions include zoom, focus, iris, button operation among many others
- **Custom On-screen Displays:**
 - Users can customize which of 22 icons are displayed on the EVF
- **Audio:**
 - 2 channel (SD PCM 16 or 12 bit) (HD MPEG1)
 - 2 XLR audio connectors built in, Mic or Line level, Phantom power +48dB
- **Photo Recording:**
 - Video Mode: records photos to SD Card while recording video
 - Photo Mode: Single shot, Drive mode: 3 or 5 fps, Max. resolution 2.07 MP
- **Dual grip:** side hand grip and top handle grip, both with zoom & record controls

Specifications

Lens: 20x, 5.4-108mm, f/1.6 to 3.5, 38.9-778mm (35mm) 72mm diameter

Image Sensors: Three, CCD, 1/3" 1.67 Megapixels (1440 x 1080)

Compression: Video (MPEG-2 DV Compression) **Photos** (JPEG)

Audio: 2 channels: SD: PCM 16 or 12 bit. HD MPEG1

<u>Video Mode</u>	<u>Resolution</u>	<u>Record Time w/80 min. tape*</u>
HD	1440 x 1080	1:50 hrs.
SP (SD)	1440 x 1080	2:45 hrs.
LP (SD)	1440 x 1080	5:10 hrs.

Terminals:

- **Viewfinder Component Out**
- **HD/SD Component Out:** DTC-1000 Component Cable Included
- **HDV/DV Terminal In/Out** a.k.a. Firewire
- **Composite Video & Audio:** Out, STV-250N cable included
- **Mic input 3.5mm**
- **2 XLR Audio Connectors**
- **LANC Control L Terminal**
- **Headphones Terminal**
- **HD/SD SDI Out, Genlock, Time Code In/Out (XLH1s only)**

Optional Accessories:

- **Battery Packs:** BP-930 (1:30 hr.*), BP-945 (2:15 hrs.*), BP-950G (3:10 hrs.*) BP-970G (4:20 hrs.*)
- **6x HD Wide Angle Zoom Lens**
- **Monochrome CRT Viewfinder**
- **RVC Kit Remote Viewfinder**
- **FS-CV 100GB Hard Disk Drive Recorder**
- **RC-72 Ratio Converter**
- **FS-72U Filter Set:** Neutral Density, Polarizer and Ultra Violet filters
- **VL-10Li II Battery Video Light,** requires a BP-series battery pack
- **Select Canon Speedlight Flashes:** 580EX II, 430EX II, 220 EX
- **MA-300 XLR Mic Adapter**
- **ZR1000 or ZR2000 Zoom Remote Controller**
- **CH-910 Dual Battery Charger/Holder or CB-920 Car Battery Adapter**
- **Case options:** HC-3200 hard case, KATA Backpack, Roller case
- **Steady Stick or SBR-1000 Shooting Brace**
- **TA-100 Tripod Adapter**
- **PAL optional upgrade**

*Adds 50i (25F) recording mode, service performed by Canon

*recording and battery times are approximate