



# DIGITAL CAMCORDER

REFERENCE GUIDE

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SHOOT. CAPTURE. SEE. BE HD.

## VIXIA HF S21 / HF S20 / HF S200

High Definition Flash Memory Camcorder



### The Pinnacle of High Definition

- Records to a 64GB (HF S21)/32GB (HF S20) internal flash drive or directly to 2 removable SD memory cards (HF S200: 2 SD memory card slots only)
- Genuine Canon 10x HD Video Lens
- Canon 1/2.6" 8.59-Megapixel Full HD CMOS Image Sensor
- Canon DIGIC DV III Image Processor
- Dynamic SuperRange OIS with Powered IS
- Instant AF
- 24Mbps Recording
- 3.5" High Resolution Touch Panel LCD (922,000 dots)
- Smart Auto
- Touch & Track
- Genuine Canon Face Detection
- HD-to-SD Downconversion
- Eye-Fi SD Memory Compatibility
- Relay Recording
- Built-in 8.0 Megapixel Digital Camera
- Native 24p Mode



## VIXIA HF M32 / HF M31 / HF M30 / HF M300

High Definition Flash Memory Camcorder



### HD Perfection in the Palm of Your Hand

- Records to a 64GB (HF M32)/32GB (HF M31)/8GB (HF M30) internal flash drive or directly to a removable SD memory card (HF M300: SD memory card slot only)
- Genuine Canon 15x HD Video Lens
- Canon 3.89-Megapixel Full HD CMOS Image Sensor
- Canon DIGIC DV III Image Processor
- Dynamic SuperRange OIS with Powered IS
- Instant AF
- 24Mbps Recording
- 2.7" Touch Panel LCD
- Smart Auto
- Touch & Track
- Genuine Canon Face Detection
- Advanced Video Snapshot
- HD-to-SD Downconversion (HF M32/HF M31/HF M30)
- Eye-Fi SD Memory Compatibility
- Relay Recording (HF M32/HF M31/HF M30)
- Compatible with WP-V2 Waterproof Case



\* VIXIA HF M32 only.

## VIXIA HFR11 / HFR10 / HFR100

High Definition Flash Memory Camcorder



### Sophistication and Ease of HD

- Records to a 32GB (HF R11)/8GB (HF R10) internal flash drive or directly to a removable SD memory card (HF R100: SD memory card slot only)
- Ultra-Sleek, Compact and Lightweight Design
- Genuine Canon 20x HD Video Lens
- Canon 2.39-Megapixel HD CMOS Image Sensor
- Canon DIGIC DV III Image Processor
- Dynamic Image Stabilizer
- Instant AF
- 2.7" Widescreen LCD
- Smart Auto
- Genuine Canon Face Detection
- Advanced Video Snapshot
- HD-to-SD Downconversion (HF R11/HF R10)
- Eye-Fi SD Memory Compatibility
- Relay Recording (HF R11/HF R10)
- 24p Cinema Mode & 30p Progressive Mode
- Available in Black, Silver and Red (HF R10)



## FS31 / FS300

Standard Definition Flash Memory Camcorder



### Capture Memories in a Flash

- Records to a 16GB (FS31) internal flash drive or directly to a removable SD memory card (FS300: SD memory card slot only)
- Ultra-Sleek, Compact and Lightweight Design (7.9 oz)
- Genuine Canon 41x Advanced Zoom
- Canon DIGIC DV II Image Processor
- Dynamic Image Stabilizer
- Video Snapshot
- Quick Start
- Widescreen HR Recording
- Quick Charge
- Intelligent Lithium-ion Battery
- 2.7" Widescreen LCD
- Built-In Video Light
- Pre-Record
- Available in Silver, Red and Blue (FS300)



## DW-100

DVD Burner



### Create and Play Your Own DVDs

- AVCHD\*\* and MPEG-2 Burner
- Works with Canon flash memory and hard disk drive camcorders
- Super simple one-touch operation
- Flexible recording options add convenience
- Playback video through camcorder (AVCHD only)

#### CREATE YOUR OWN DVD WITH EASE



Connect the DW-100 to a compatible Canon camcorder.

Press to record your footage to a standard 5" DVD.

Play back your DVD at your convenience!

\*\* DVD media containing AVCHD footage should only be used in AVCHD compatible players, otherwise the DVD player may fail to eject the media and may erase its contents without warning. AVCHD discs containing scenes recorded in MXP mode cannot be created with the optional DW-100 DVD Burner.

## WP-V2

Waterproof Case



### Capture HD Underwater Video

- Compatible with Canon VIXIA HF M32, VIXIA HF M31, VIXIA HF M30, VIXIA HF M300 Flash Memory camcorders
- Provides waterproof protection up to 130 feet (40 m)
- Compact and lightweight design
- Buttons provide easy operation and control

#### CAPTURE ALL THE WONDERS OF THE OCEAN



Capture the sea's vibrant color and amazing clarity in stunning high definition.

Record the delicate details of reef life with ultra precision.



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[usa.canon.com/camcorder](http://usa.canon.com/camcorder) 1-800-OK-CANON

# Canon Video Technology

## Genuine Canon Optics

Canon optics are the backbone of Canon’s superior image quality. Using many of the same technologies that have made Canon lenses legendary the world over – Super Spectra multi-coating, aspherical elements and more – Canon’s video lenses deliver unsurpassed detail, resolution, contrast and color.



Genuine Canon Video Lens

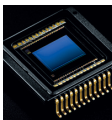
## Canon DIGIC DV III Image Processor



DIGIC DV III is Canon’s most advanced HD image processor ever, helping to deliver enhanced image quality, true color production for both video and photos, and a sophisticated noise reduction system for exceptional low-light performance. It is also the high-speed engine which powers a variety of Canon technologies including Genuine Canon Face Detection, Smart Auto and 8.0 megapixel photo capture.



## Canon Full HD CMOS Image Sensor



Developed and perfected in Canon’s EOS Digital SLR cameras, the CMOS Image Sensor provides stunningly realistic detail, capturing Full HD information at 1920 x 1080. Advanced noise reduction technology ensures the purity of each pixel even in dim light, while an RGB primary color filter delivers sharp HD movies with vibrant, accurate color.



## Flash Memory

Canon flash memory camcorders allow you to record either to an SD memory card, or directly to an internal flash drive.\* With no moving parts, flash memory technology means that you are getting a camcorder that is compact and lightweight with a reduced risk of losing data, faster response time and lower power consumption. Canon flash memory camcorders are the perfect blend of security, convenience and performance.

\* Select models only

## Dynamic SuperRange Optical Image Stabilizer with Powered IS



Dynamic SuperRange OIS takes shake correction to a whole new level. It provides continuous adjustment throughout the entire zoom range to correct an even broader range of motion. Extra compensation is applied at wide-angle focal lengths to help eliminate unwanted vibration common with walking. Powered IS provides an even higher level of compensation for subtle hand movement at the telephoto end of the zoom range.



DYNAMIC



POWERED IS

## Smart Auto

Smart Auto makes shooting great video easier than ever before. Using the power of Canon’s DIGIC DV III Image Processor, the camcorder intelligently detects and analyzes faces, brightness, color, distance and movement, then automatically selects the best settings for the scene. Whether capturing a sunset, a day at the beach, or a fast-paced soccer game, Smart Auto delivers exceptionally accurate results.



## Touch & Track

Touch & Track allows any subject (pets, vehicles, etc.) to be the focal point of your video simply by selecting it on the Touch Panel LCD. It continuously tracks your subject while automatically adjusting focus and exposure.

## Genuine Canon Face Detection

The same high quality Face Detection technology used in Canon digital cameras is available in Canon VIXIA camcorders. Up to 35 faces can automatically be detected, and 9 detection frames can be displayed at one time. It will recognize faces that are turned down or sideways. In addition, a specific face may be selected as the main subject for continuous tracking. Playback also allows you to access specific scenes based on faces.



Face Detection Technology

## HD-to-SD Downconversion

HD-to-SD Downconversion allows you to convert recorded high definition video to standard definition files while safely preserving the original HD video. These standard definition files make it even more convenient to edit, share video online, or create a DVD.

## Advanced Video Snapshot

Advanced Video Snapshot allows you to capture the highlights of an once-in-a-lifetime trip or a family milestone. Simply record a series of 2, 4 or 8-second video clips, blend in your favorite music and create an exciting movie that will get everyone’s attention. For added flexibility, you can also capture video clips in playback as well.



Video Snapshot

# Specification Chart

HD Model	VIXIA HF S21	VIXIA HF S20	VIXIA HF S200	VIXIA HF M32	VIXIA HF M31	VIXIA HF M30	VIXIA HF M300	VIXIA HF R11	VIXIA HF R10	VIXIA HF R100
Recording Media	Flash Memory			Flash Memory				Flash Memory		
Memory Card Slot	2x SD/SDHC			SD/SDHC/SDXC	SD/SDHC			SD/SDHC		
Internal Storage	64GB	32GB	–	64GB	32GB	8GB	–	32GB	8GB	–
Image Sensor	1/2.6" CMOS			1/4" CMOS				1/5.5" CMOS		
Total Pixels	8.59 Megapixels			3.89 Megapixels				2.39 Megapixels		
Effective Pixels	Video: Approx. 6.01 Megapixels (3264 x 1840) Photo: Approx. 8.02 Megapixels (3264 x 2456)			Video: Approx. 2.99 Megapixels (2304 x 1296) Advanced Zoom ON: Approx. 2.07 Megapixels (1920 x 1080) Photo: Approx. 3.31 Megapixels (2100 x 1575)				Video: Approx. 1.56 Megapixels (1664 x 936) Dynamic IS ON: Approx. 1.04 Megapixels (1360 x 765) Photo: Approx. 1.73 Megapixels (1520 x 1140)		
Full HD 1920x1080 Movie Recording	Yes			Yes				Yes		
Image Processor	DIGIC DV III			DIGIC DV III				DIGIC DV III		
Image Stabilizer	Dynamic SuperRange Optical Image Stabilizer with Powered IS			Dynamic SuperRange Optical Image Stabilizer with Powered IS				Dynamic Image Stabilizer		
Zoom Ratio (Optical/Digital)	10x/200x (Video Only)			15x (18x Advanced Zoom)/300x (Video Only)				20x/400x (Video Only)		
24Mbps Recording	Yes			Yes				–		
Instant AF	Yes			Yes				Yes		
Face Detection	Yes			Yes				Yes		
Touch & Track	Yes			Yes				–		
Smart Auto	Yes			Yes				Yes		
Native 24p Mode	Yes			–				–		
HD-to-SD Downconversion	Yes			Yes	Yes	Yes	–	Yes	Yes	–
LCD Screen	3.5" High Resolution Touch Panel Widescreen LCD Approx. 922,000 Dots			2.7" Touch Panel Widescreen LCD Approx. 211,000 Dots				2.7" Widescreen LCD Approx. 112,000 Dots		
Viewfinder	0.27" Widescreen Color EVF Approx. 123,000 Dots	–		–				–		
Video Snapshot	Yes (Advanced)			Yes (Advanced)				Yes (Advanced)		
Relay Recording	Yes			Yes	Yes	Yes	–	Yes	Yes	–
USB Terminal	USB 2.0 Hi-Speed			USB 2.0 Hi-Speed				USB 2.0 Hi-Speed		
MIC Terminal	Yes (Manual Audio Level Control)			Yes (Manual Audio Level Control)				Yes (Manual Audio Level Control)		
HDMI Terminal	Yes (Supports CEC, x.v.Color)			Yes (Supports CEC, x.v.Color)				Yes (Supports CEC, x.v.Color)		

SD Model	FS31	FS300
Recording Media	Flash Memory	
Memory Card Slot	SD/SDHC	
Internal Storage	16GB	–
Image Sensor	1/6" CCD	
Total Pixels	680,000 Pixels	
Effective Pixels	Video: Advanced Zoom ON (16:9) Approx. 0.45 Megapixels (Wide)/0.36 Megapixels (Tele) Advanced Zoom OFF (16:9): Approx. 0.36 Megapixels Photo: Approx. 0.45 Megapixels	
Image Processor	DIGIC DV II	
Image Stabilizer	Dynamic Image Stabilizer	
Advanced Zoom (16:9)	41x	
Zoom Ratio (Optical/Digital)	37x/2000x	
Quick Start	Yes	
Smooth Zoom Control	Yes	
LCD Screen	2.7" Widescreen LCD Approx. 123,000 Dots	
Viewfinder	–	
Pre-Record	Yes	
Video Snapshot	Yes	
Program AE Mode	Yes	
Video Light	White LED	
USB Terminal	USB 2.0 Hi-Speed	
MIC Terminal	–	

# Accessory Chart

Model	VIXIA HF S21/HF S20/HF S200	VIXIA HF M32/HF M31/HF M30/HF M300
Batteries	BP-808 BP-819 BP-827	
Chargers/Adapters	CG-800/CA-570	
Cables	STV-250N, CTC-100, HTC-100	
Straps	SS-650, SS-600, WS-20, NS-10	
Cases	SC-2000, SC-A1000, SC-A80, SC-A75	
LCD Hood	3.5"	2.7"
Lenses	WD-H58, TL-H58	WD-H37 II, TL-H37, FS-H37U
Microphone	DM-100, SM-V1	
Video Light	VFL-2, VL-5	
DVD Burner DW-100	Yes	
Waterproof Case WP-V2	–	Yes
Remote Control Adapter RA-V1	–	Yes

Model	VIXIA HF R11/HF R10/HF R100	FS31/FS300
Batteries	NB-2LH	BP-808
Chargers/Adapters	CA-590, CB-2LW, CBC-NB2	CG-800, CA-570
Cables	STV-250N, CTC-100, HTC-100	STV-250N
Straps	SS-650, SS-600, WS-20, NS-10	
Cases	SC-2000, SC-A1000, SC-A80, SC-A75	
LCD Hood	2.7"	
Lenses	–	
Microphone	–	
Video Light	–	
DVD Burner DW-100	Yes	