



DIGITAL CAMCORDER

REFERENCE GUIDE

WINTER/SPRING 2011



SHOOT. CAPTURE. SEE. BE HD.

VIXIA HF G10

High Definition Flash Memory Camcorder



Professional-Quality High Definition

- Records crisp high definition video to a 32GB internal flash drive or directly to 2 SDXC-compatible memory card slots
- Genuine Canon 10x HD Video Lens with 8-Blade Iris and manual focus ring
- Canon HD CMOS Pro 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)
- Color Viewfinder
- Touch & Track and Genuine Canon Face Detection
- Smart Auto
- Relay Recording
- Native 24p Mode
- 24p Cinema Mode & 30p Progressive Mode
- Professional Shooting Assist Functions
- Cinema-Look Filters
- Tele Macro



VIXIA HF S30

High Definition Flash Memory Camcorder



Impeccable HD Video and Photos

- Records crisp high definition video to a 32GB internal flash drive or directly to 2 SDXC-compatible memory card slots
- 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)
- Color Viewfinder
- Touch & Track and Genuine Canon Face Detection
- Smart Auto
- Native 24p Mode
- 24p Cinema Mode & 30p Progressive Mode
- Relay Recording
- HD-to-SD Downconversion
- Eye-Fi* SD Memory Card compatibility
- Professional Shooting Assist Functions



VIXIA HF M41/HF M40/HF M400

High Definition Flash Memory Camcorder



Extraordinary HD in the Palm of Your Hand

- Records crisp high definition video to a 32GB (VIXIA HF M41/ 16GB (VIXIA HF M40) internal flash drive or directly to 2 SDXC-compatible memory card slots (VIXIA HF M400: 2 SDXC-compatible memory card slots only)
- Genuine Canon 10x HD Video Lens
- Canon HD CMOS Pro Image Sensor
- Canon DIGIC DV III Image Processor
- Dynamic SuperRange OIS with Powered IS
- Instant AF
- 24Mbps Recording
- 3.0" Touch Panel LCD and Color Viewfinder (VIXIA HF M41 only)
- Smart Auto
- Touch & Track and Genuine Canon Face Detection
- Cinema-Look Filters
- Story Creator
- Touch Decoration
- Relay Recording
- HD-to-SD Downconversion (VIXIA HF M41/ VIXIA HF M40 only)
- 24p Cinema Mode and 30p Progressive Mode



VIXIA HF R21/HF R20/HF R200

High Definition Flash Memory Camcorder



Canon HD Technology at Your Fingertips

- Records crisp high definition video to a 32GB (VIXIA HF R21)/ 8GB (VIXIA HF R20) internal flash drive or directly to 2 SDXC-compatible memory card slots (VIXIA HF R200: 2 SDXC-compatible memory card slots only)
- Genuine Canon HD Video Lens with 28x Advanced Zoom
- Canon 3.2-megapixel Full HD CMOS Image Sensor
- Canon DIGIC DV III Image Processor
- Dynamic Image Stabilization
- 24Mbps Recording
- 3.0" Touch Panel LCD
- Smart Auto
- Touch & Track and Genuine Canon Face Detection
- Touch Decoration
- Relay Recording
- HD-to-SD Downconversion (VIXIA HF R21/ VIXIA HF R20 only)
- Eye-Fi* SD Memory Card compatibility
- 1080p Output
- 24p Cinema Mode and 30p Progressive Mode



FS40/FS400

Standard Definition Flash Memory Camcorder



The Flash of Brilliance

- Records video directly to 8GB internal flash drive (FS40 only) or directly to an SDXC-compatible memory card slot for fast and easy sharing of your memories
- Compact and Lightweight Design (7.8 oz.)
- Genuine Canon HD Video Lens with 28x Advanced Zoom
- Canon DIGIC DV II Image Processor
- Dynamic Image Stabilization
- Advanced Video Snapshot
- Eye-Fi* SD Memory Card compatibility
- Quick Start
- Widescreen HR Recording
- Quick Charge
- Intelligent Lithium-ion Battery
- 2.7" Widescreen LCD
- Built-in Video Light
- Pre-record
- Includes Pixela Video Browser Software



* Canon camcorders are not guaranteed to support Eye-Fi card functions, including wireless transfer. In case of an issue with the Eye-Fi card, please consult with the card manufacturer. The use of Eye-Fi cards may not be approved in all regions, or from one region to another, please contact the card manufacturer for status of approval in the country/region of use.

WP-V3

Waterproof Case

WM-V1

Wireless Microphone



WP-V3

Capture HD Underwater Video

- Compatible with Canon VIXIA HF M41, VIXIA HF M40, VIXIA HF M400 Flash Memory camcorders
- Provides waterproof protection up to 130 feet (40m)
- Compact and lightweight design
- Buttons provide easy operation and control

CAPTURE ALL THE WONDERS OF THE OCEAN

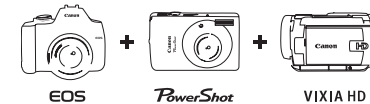


Capture the sea's vibrant color and amazing clarity in stunning high definition.

WM-V1

Wireless Audio Capture Made Simple

- Compatible with Canon VIXIA HF G10, VIXIA HF M41, VIXIA HF M40, VIXIA HF M400, VIXIA HF R21, VIXIA HF R20, and VIXIA HF R200 Flash Memory camcorders
- Range up to 164 feet (50m)
- Bluetooth Version 2.0 technology
- Consists of wireless receiver and transmitter
- Built-in transceiver allows easy two-way communication



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usa.canon.com/camcorder 1-800-OK-CANON

Canon Video Technology

Canon HD CMOS Pro Image Sensor



Select VIXIA camcorders feature the Canon HD CMOS Pro Image Sensor, a 1/3-inch native 1920 x 1080 image sensor that incorporates the same proven technology at the heart of Canon's pro-grade camcorders. The HD CMOS Pro Image Sensor defies convention: using fewer pixels than typical consumer camcorder sensors, it delivers far superior video performance.

Outstanding Video Resolution – The effective number of pixels in the HD CMOS Pro sensor is exactly equal to 1920 x 1080, the resolution of Full High Definition video. Since resizing is not needed, Full HD video is recorded with exceptionally high resolution.

Superb Low-Light Performance – Because there are no more pixels than needed to capture Full HD, each pixel site is larger and more sensitive to light. This makes it possible to capture high-quality video even in dim lighting.

Wide Dynamic Range – The larger pixel area also enables more light to be stored, making it possible to detect and capture a wider range of tonal values. Both highlights and shadows are thus reproduced more accurately, and skin tones are captured with fine gradation.

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.

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, and Cinema-Look Filters.

Instant Autofocus

Sharp focus is crucial when shooting high definition video. Canon's proprietary Instant Autofocus system delivers fast, accurate focus, even when you're shooting in bright light, at night, or with the camera in motion. The revolutionary hybrid system combines an external sensor with Canon's proven high-performance through-the-lens AF system. It uses both phase difference detection and the CMOS image sensor to dramatically decrease focusing time and help ensure consistently sharp video.

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.

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.

Cinema-Look Filters

Express your creative vision through distinctive built-in filters. Choose from among nine filters as you record to create video with a variety of professional cinematic looks.



Cinema Standard – Recreates the warm tones and muted highlights of classic film
Cool – Adds a bluish tint for cool, futuristic-looking scenes
Dramatic B&W – Creates bold black-and-white videos with high contrast and grain
Dream – Adds a magical look (soft focus) for dream-like scenes
Memory – Produces a faded, misty look, such as for flashback scenes
Nostalgic – Recreates the look of old '70s TV programs
Old – Gives video the aged look of old cinema
Sepia – Applies a sepia tint for an antique, faded look
Vivid – Accentuates primary colors for a bright, cheerful look

Specification Chart

HD Model	VIXIA HF G10	VIXIA HF S30	VIXIA HF M41	VIXIA HF M40	VIXIA HF M400	VIXIA HF R21	VIXIA HF R20	VIXIA HF R200
Recording Media	Flash Memory	Flash Memory	Flash Memory			Flash Memory		
Memory Card Slot	2x SD/SDHC/SDXC	2x SD/SDHC/SDXC	2x SD/SDHC/SDXC			2x SD/SDHC/SDXC		
Internal Storage	32GB	32GB	32GB	16GB	—	32GB	8GB	—
Image Sensor	1/3-inch HD CMOS Pro	1/2.6-inch CMOS	1/3-inch HD CMOS Pro			1/4.85 CMOS		
Total Pixels	2.37 Megapixels	8.59 Megapixels	2.37 Megapixels			3.28 Megapixels		
Effective Pixels	Video: Approx. 2.07 Megapixels (1920 x 1080) Photo: Approx. 2.07 Megapixels (1920 x 1080)	Video: Approx. 6.01 Megapixels (3264 x 1840) Photo: Approx. 8.02 Megapixels (3264 x 2456)	Video: Approx. 2.07 Megapixels (1920 x 1080) Photo: Approx. 2.07 Megapixels (1920 x 1080)			Video: Approx. 2.07 Megapixels (1920 x 1080) Dynamic IS ON: Approx. 1.47 Megapixels (1616 x 909) Advanced Zoom ON: Approx. 1.04 Megapixels (1360 x 765) Photo: 16:9 Approx. 2.07 Megapixels (1920 x 1080) 4:3 Approx. 2.41 Megapixels (1792 x 1344)		
Full HD 1920x1080 Movie Recording	Yes	Yes	Yes			Yes		
Image Processor	DIGIC DV III	DIGIC DV III	DIGIC DV III			DIGIC DV III		
Image Stabilizer	Dynamic SuperRange OIS with Powered IS	Dynamic SuperRange OIS with Powered IS	Dynamic SuperRange OIS with Powered IS			Dynamic Image Stabilizer		
Zoom Ratio (Optical/Digital)	10x/200x (Video Only)	10x/200x (Video Only)	10x/200x (Video Only)			20x/28x (Advanced Zoom)/400x (Video Only)		
24Mbps Recording	Yes	Yes	Yes			Yes		
Instant AF	Yes	Yes	Yes			—		
Face Detection	Yes	Yes	Yes			Yes		
Touch & Track	Yes	Yes	Yes			Yes		
Smart Auto	Yes	Yes	Yes			Yes		
Native 24p Mode	Yes	Yes	—			—		
HD-to-SD Downconversion	Yes	Yes	Yes		—	Yes		—
LCD Screen	3.5" High Resolution Touch Panel Widescreen LCD Approx. 922,000 dots	3.5" High Resolution Touch Panel Widescreen LCD Approx. 922,000 dots	3.0" Touch Panel Widescreen LCD Approx. 230,000 dots			3.0" Touch Panel Widescreen LCD Approx. 230,000 dots		
Viewfinder	Yes	Yes	Yes	—		—		
Advanced Video Snapshot	Yes	Yes	Yes			Yes		
Relay Recording	Yes	Yes	Yes			Yes		
USB Terminal	USB 2.0 Hi-Speed	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)			Yes (Manual Audio Level Control)		
HDMI Terminal	Yes (Supports 1080p Output, CEC, X.V. Color)	Yes (Supports CEC, X.V. Color)	Yes (Supports 1080p Output, CEC, X.V. Color)			Yes (Supports 1080p Output, CEC, X.V. Color)		

SD Model	FS40	FS400
Recording Media	Flash Memory	
Memory Card Slot	SD/SDHC/SDXC	
Internal Storage	8GB	–
Image Sensor	1/6" CCD	
Total Pixels	680,000 Pixels	
Effective Pixels	Video: Advanced Zoom ON (16:9): Approx. 450,000 pixels (937 x 480) (Wide)/360,000 pixels (839 x 430) (Tele); Advanced Zoom OFF/Dynamic IS ON (16:9): Approx. 360,000 pixels (839 x 430) Photo: Approx. 450,000 pixels (809 x 554)	
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. 112,000 dots	
Viewfinder	–	
Pre-Record	Yes	
Advanced 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 G10	VIXIA HF S30	VIXIA HF M41/HF M40/HF M400
Batteries	BP-808, BP-819, BP-827		
Chargers/Adapters	CG-800, CA-570		
Cables	STV-250N, CTC-100, HTC-100		
Straps	NS-10, SS-600, SS-650, WS-20		
Cases	SC-2000, SC-A1000, SC-A80, SC-A75, HC-300		
LCD Hood	3.5"		–
Lenses	WD-H58W	WD-H58	WD-H43, TL-H43, FS-43UII
Microphone	DM-100, SM-V1, WM-V1		
Video Light	VL-5, VFL-2		
Waterproof Case WP-V3	–		Yes
Remote Control Adapter RA-V1	–		Yes

Model	VIXIA HF R21/HF R20/HF R200	FS40/FS400
Batteries	BP-110	BP-808
Chargers/Adapters	CG-110, CA-110	CG-800, CA-570
Cables	STV-250N, CTC-100, HTC-100	STV-250N
Straps	NS-10, SS-600, SS-650, WS-20	WS-20
Cases	SC-2000, SC-A1000, SC-A80, SC-A75	
LCD Hood	–	2.7"
Lenses	WD-H34II, TL-H34II	–
Microphone	WM-V1	–
Video Light	–	