

Canon

DIGITAL CAMCORDER FULL LINE PRODUCT GUIDE

SUMMER/FALL 2008



Canon
*image*ANYWARE

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SHOOT. CAPTURE. SEE. BE HD.

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Use of genuine Canon accessories is recommended; these products are designed to perform optimally when used with genuine Canon accessories.

www.usa.canon.com/camcorder

The Moving Image: Powered by Canon

Crisply defined, brilliantly detailed video can transform a memory into a work of art. Making that happen every time you pick up your camcorder is what Canon is all about. Canon camcorders, powered by Canon's decades of optical superiority and technical dominance, deliver fully on the promise of image quality. Unparalleled optics and the most advanced technology don't just capture your vision perfectly—they imbue it with the quality and lasting impact it deserves. An extensive array of options in format, features and functionality ensure that the ideal Canon camcorder awaits, ready to make your video everything it can be.



VIXIA HF11



VIXIA HG21

VIXIA HG20

High Definition Camcorders



XL H1s



XL H1a



XH G1



XH A1



VIXIA HF10



VIXIA HF100



VIXIA HV30

Standard Definition Camcorders



XL 2



GL 2



FS11

FS10



FS100 (Sapphire Blue)

FS100 (Garnet Wine)

FS100 (Moonstone Silver)



DC310

DC320

DC330



ZR900

ZR930

ZR950

Contents

VIXIA High Definition Camcorders

FLASH MEMORY



Record stunning High Definition video directly to an internal Flash drive or SDHC memory card. The ultimate in image quality and flexibility.



VIXIA HF11/HF10/HF100 6

HDD HARD DISK DRIVE

Record High Definition video to a built-in Hard Disk Drive. Long recording time means you'll never miss the action.



VIXIA HG21/HG20 8

HDV HDV 1080i



Capture High Definition video to readily available MiniDV cassette tapes for vast editing options.



VIXIA HV30 10

Standard Definition Camcorders

FLASH MEMORY



With the ability to record to an internal Flash drive or SDHC memory card, these camcorders represent the epitome of performance, style and convenience.



FS11/FS10/FS100 12

DVD -R/-RW/-R DL



Capture your precious memories direct to DVD, for easy and immediate playback in your home theater.



DC330/DC320/DC310 14

MiniDV



A high quality, easy way to capture your memories. These camcorders offer exceptional value and utilize widely available MiniDV tapes.



ZR950/ZR930/ZR900 16

Professional Camcorders

HDV HDV 1080i

Single camera or multi-camera shoots. Shoulder-mount or handheld. Canon professional camcorders have you covered.

XL H1S/XL H1A/XH G1/
XH A1/XL2/GL2 18
Professional Camcorder
Technology 21



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HIGH DEFINITION

VIXIA HF11 | HF10 | HF100



FLASH MEMORY

HIGH DEFINITION

The Future of High Definition

- Record to a 32GB (HF11)/16GB (HF10) internal Flash drive or directly to an SDHC memory card (HF100: SDHC memory card slot only)
- Ultra sleek, compact and lightweight design
- Genuine Canon 12x HD Video Lens for up close clarity
- Canon 3.3 Megapixel Full HD CMOS Image Sensor (1920 x 1080) and RGB Primary Color Filter for incredible resolution and accurate color
- DIGIC DV II Image Processor for superior imaging
- 24Mbps recording for exceptional lifelike tone and detail (HF11)

FEATURES

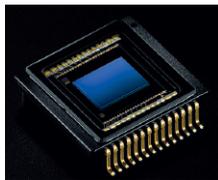
SuperRange OIS	24M bps	Full HD CMOS	1920 x 1080 Recording
DIGIC DV II	Instant AF	Multi-Angle Vivid LCD	RGB Primary Color Filter
30p Progressive	24p Cinema Mode	Quick Start	Program AE
HDMI	Intelligent Li-Ion Batteries	LED Video Light	USB 2.0 HS
SDHC	Mini Advanced ACC Shoe	DVD Burner DW-100 Compatible	9-point AIAF
Histogram Display	Photo Grab	Pict Bridge	Still Image Software
Video Editing Software			

KIT CONTENTS



VIXIA HF10 kit contents shown

- VIXIA HF11/HF10/HF100 Body
- Battery Pack BP-809
- Compact Power Adapter CA-570
- Wireless Controller WL-D88
- Component Cable CTC-100/S
- Stereo Video Cable STV-250N
- USB Interface Cable IFC-400PCU
- Wrist Strap
- Digital Video Solution Disk
- Pixela ImageMixer 3SE Video Editing Software



Canon 3.3 megapixel Full HD CMOS image sensor

High Definition leaps into the future with the VIXIA HF11, VIXIA HF10 and VIXIA HF100 Flash Memory camcorders. These compact, stylish camcorders combine Canon's exceptional HD image quality with all the benefits of Flash Memory, including fast response time, low power consumption, flexible media exchange and superior protection against data loss. And the VIXIA HF11 and VIXIA HF10 features "Dual Flash Memory" giving you the option of recording directly to a 32GB (HF11)/16GB (HF10) internal Flash drive or a removable SDHC memory card.



VIXIA HF10

12x Optical Zoom

16GB Internal Memory

SDHC Card Slot

DUAL FLASH MEMORY

HD Video Lens | DUAL FLASH MEMORY | FULL HD 1920x1080 | FULL HD 1080 | 1920x1080 Recording | DIGIC DV II | SuperRange OPTICAL IMAGE STABILIZER | Instant AF | 24p Cinema Mode | 30p Progressive | Intelligent Li-Ion Battery | AVCHD[†]

NEW



VIXIA HF11

12x Optical Zoom

32GB Internal Memory

SDHC Card Slot

DUAL FLASH MEMORY



VIXIA HF100

12x Optical Zoom

SDHC Card Slot

HD Video Lens | 24Mbps | DUAL FLASH MEMORY | FULL HD 1920x1080 | FULL HD 1080 | 1920x1080 Recording | DIGIC DV II | SuperRange OPTICAL IMAGE STABILIZER | Instant AF | 24p Cinema Mode | 30p Progressive | Intelligent Li-Ion Battery | AVCHD[†]

HD Video Lens | FULL HD 1920x1080 | FULL HD 1080 | 1920x1080 Recording | DIGIC DV II | SuperRange OPTICAL IMAGE STABILIZER | Instant AF | 24p Cinema Mode | 30p Progressive | Intelligent Li-Ion Battery | AVCHD[†]

SDHC memory cards are recommended for capacity and guaranteed speed. Class 4 or higher speed required for 1920 x 1080 recording mode on VIXIA HF11/HF10/HF100.
[†] High Definition footage in the AVCHD format can be copied onto DVD media with included software. However, 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.

VIXIA HG21 | HG20



High Definition Video on HDD

- Record to a 120GB (HG21)/60GB (HG20) Hard Disk Drive or directly to an SDHC memory card
- Brilliant clarity with a Genuine Canon 12x HD Video Lens
- Canon 3.3 Megapixel Full HD CMOS Image Sensor (1920 x 1080) and RGB Primary Color Filter
- DIGIC DV II Image Processor for stunning color and clarity
- 24Mbps recording for exceptional lifelike tone and detail



VIXIA HG21 features a 120GB internal Hard Disk Drive

Experience the beauty of Full HD with the benefits of recording up to 45 hours (HG21)/22 hours (HG20) of High Definition video to an internal Hard Disk Drive. As you capture the ultimate in realistic detail, complete with accurate color and brilliant clarity, you'll see it all on the big, widescreen LCD. Advanced photo features create impressive still images, too.



VIXIA HG21

12x Optical Zoom
120GB Internal Memory
SDHC Card Slot

FEATURES

- SuperRange OIS
- 24M bps
- Full HD CMOS
- DIGIC DV II
- Instant AF
- Multi-Angle Vivid LCD*
- RGB Primary Color Filter
- 30p Progressive
- 24p Cinema Mode
- Quick Start
- Program AE
- HDMI
- Intelligent Li-Ion Batteries
- USB 2.0 HS
- Mini SDHC
- Mini Advanced ACC Shoe
- DVD Burner DV-100 Compatible
- 9-point AIAF
- Histogram Display
- Photo Grab
- Pict Bridge
- Still Image Software
- Video Editing Software

* VIXIA HG21 only

KIT CONTENTS



VIXIA HG21 kit contents shown

- VIXIA HG21/HG20 Body
- Battery Pack BP-807
- Compact Power Adapter CA-570
- Wireless Controller WL-D88
- Component Cable CTC-100/S
- Stereo Video Cable STV-250N
- USB Interface Cable IFC-400PCU
- Digital Video Solution Disk
- Pixela ImageMixer 3SE Video Editing Software



VIXIA HG20

12x Optical Zoom
60GB Internal Memory
SDHC Card Slot

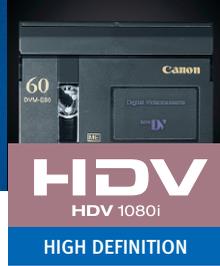
HD Video Lens | 24Mbps | Full HD CMOS 1920x1080 | FULL HD 1080 Recording | 1920x1080 Recording | DIGIC DV II | OPTICAL IMAGE STABILIZER | Instant AF | 24p Cinema Mode | 30p Progressive | AVCHD[†]

Large Capacity Hard Disk Drive			
	Hard Disk Drive	MXP* High Image Quality (24Mbps, 1920 X 1080)	LP Long Play (5Mbps, 1440 X 1080)
VIXIA HG21	120GB	11 hr. 5 min.	45 hr. 55 min.
VIXIA HG20	60GB	5 hr. 30 min.	22 hr. 55 min.

* MXP mode requires class 4 or higher SDHC card

HD Video Lens | 24Mbps | Full HD CMOS 1920x1080 | FULL HD 1080 Recording | 1920x1080 Recording | DIGIC DV II | OPTICAL IMAGE STABILIZER | Instant AF | 24p Cinema Mode | 30p Progressive | AVCHD[†]

VIXIA HV30



Limitless Shooting Possibilities

- Genuine Canon 10x HD Video Lens for stunning image quality
- Canon 2.96 Megapixel Full HD CMOS Image Sensor (1920 x 1080) with RGB Primary Color Filter for breathtaking resolution and vivid color
- DIGIC DV II Image Processor for exceptional color and clarity
- Shoot steady with Canon's SuperRange Optical Image Stabilizer
- Instant AF Focusing System delivers critical HD focus



DIGIC DV II Image Processor

Discerning videographers will find their demands more than met with this first-rate camcorder. With astonishing High Definition detail and color reproduction, fast and accurate autofocus, a big multi-angle LCD with true color, the ability to shoot in 24p Cinema and 30p Progressive Modes and much more, shooting is as boundless as your own imagination.

FEATURES



KIT CONTENTS



- VIXIA HV30 Body
- Battery Pack BP-2L13
- Compact Power Adapter CA-570
- Wireless Controller WL-D87
- Component Cable CTC-100/S
- Stereo Video Cable STV-250N
- USB Interface Cable IFC-400PCU
- Digital Video Solution Disk



VIXIA HV30



FS11 | FS10 | FS100



Fast, Flexible Flash Memory

- Record to the 16GB (FS11)/8GB (FS10) internal Flash drive or directly to an SDHC memory card (FS100: SDHC memory card slot only)
- Ultra sleek, compact and lightweight design
- Get close and wide with Genuine Canon 48x Advanced Zoom
- 1.07 Megapixel CCD Image Sensor for crisp, clear image quality
- DIGIC DV II Image Processor for exceptional color and clarity

FEATURES

Advanced Zoom	DIGIC DV II	Image Stabilizer	Quick Start
Program AE	Intelligent Li-ion Batteries	LED Video Light	USB 2.0 HS
SDHC	DVD Burner DV-100 Compatible	9-point AI AF	Histogram Display
Pict Bridge	Video Editing Software		

KIT CONTENTS



FS11 kit contents shown

- FS11/FS10/FS100 Body
- Battery Pack BP-808
- Compact Power Adapter CA-590
- Wireless Controller WL-D88
- Stereo Video Cable STV-250N
- USB Interface Cable IFC-400PCU
- Digital Video Solution Disk
- Pixela ImageMixer 3SE Video Editing Software



FS11 and FS10 feature "Dual Flash Memory" technology

These Flash Memory camcorders combine Canon's cutting-edge technology with superior convenience. "Dual Flash Memory" lets you save your memories your way: record extended videos to the internal Flash drive (FS11 and FS10 only), or directly to SDHC memory cards. Either way, video is crisp and beautiful, and shooting is fun with these lightweight, ultra-responsive camcorders. Canon's new Advanced Zoom takes you all the way up to 48x while preserving image quality.



FS11

48x Advanced Zoom	16GB Internal Memory	SDHC Card Slot
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DUAL FLASH MEMORY



FS10

48x Advanced Zoom	8GB Internal Memory	SDHC Card Slot
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DUAL FLASH MEMORY

Advanced Zoom | DUAL FLASH MEMORY | DIGIC DV II | IMAGE STABILIZER | MEGA PIXEL | Quick Start | Intelligent Li-ion Battery



FS100

48x Advanced Zoom	SDHC Card Slot
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Advanced Zoom | DUAL FLASH MEMORY | DIGIC DV II | IMAGE STABILIZER | MEGA PIXEL | Quick Start | Intelligent Li-ion Battery

Advanced Zoom | DIGIC DV II | IMAGE STABILIZER | MEGA PIXEL | Quick Start | Intelligent Li-ion Battery

SDHC memory cards are recommended for capacity and guaranteed speed. Class 2 or higher speed required for recording on FS11/FS10/FS100.

DC330 | DC320 | DC310



Times to Remember on DVD

- Get closer, get wider with Genuine Canon 48x Advanced Zoom (DC330/DC320), 41x (DC310)
- 1.07 Megapixel CCD Image Sensor for sharp resolution (DC330/DC320)
- DIGIC DV II Image Processor for superior imaging
- Quick start for capturing every moment
- Widescreen HR recording—true 16:9 widescreen that's picture perfect



Advanced Zoom

These compact, stylish, easy to use camcorders make preserving your special memories as easy as DVD. The DC Series is packed with great features, like Canon's all-new Advanced Zoom that gets you amazingly close while preserving image quality, and true 16:9 widescreen recording for picture perfect video.

FEATURES

Advanced Zoom	DIGIC DV II	Image Stabilizer	Quick Start
Program AE	LCD Video Light	Multi-Angle Remote Control*	USB 2.0 HS*
SDHC	9-point AiAF	Histogram Display	Pict Bridge*
Still Image Software*	Video Editing Software*		

*DC330 only

KIT CONTENTS



DC330 kit contents shown

- DC330/DC320/DC300 Body
- Battery Pack NB-2LH
- Compact Power Adapter CA-570
- Wireless Controller WL-D86 (DC330 only)
- Stereo Video Cable STV-250N
- USB Interface Cable IFC-400PCU (DC330 only)
- Digital Video Solution Disk (DC330 only)
- Corel Application Disk (DC330 only)

DC330

48x
Advanced Zoom

DVD
-R/-RW/-R DL

Titanic Silver/Dark Gray

Advanced Zoom | DIGIC DV II | IMAGE STABILIZER | MEGA PIXEL | Quick Start



Frost Silver/Dark Gray

DC320

48x
Advanced Zoom

DVD
-R/-RW/-R DL

Advanced Zoom | DIGIC DV II | IMAGE STABILIZER | MEGA PIXEL | Quick Start



Frost Silver/Dark Blue

DC310

41x
Advanced Zoom

DVD
-R/-RW/-R DL

Advanced Zoom | DIGIC DV II | IMAGE STABILIZER | Quick Start

ZR950 | ZR930 | ZR900



Easy Operation, Great Features

- Get closer, get wider with Genuine Canon 48x Advanced Zoom (ZR950/ZR930), 41x (ZR900)
- 1.07 Megapixel CCD Image Sensor for sharp resolution (ZR950/ZR930)
- DIGIC DV Image Processor for superior imaging
- Quick start for capturing every moment
- Widescreen HR recording—true 16:9 widescreen that's picture perfect



Genuine Canon Video Lens

Genuine Canon Optics and advanced Canon technology load the ZR Series camcorders with value. These easy-to-use camcorders shoot stunning long-range video with Canon's exclusive Advanced Zoom. Record in true 16:9 widescreen – and see the whole picture on a big, widescreen LCD. Image Stabilization keeps your shots rock-steady, even at maximum telephoto without a tripod.

FEATURES

Advanced Zoom	DIGIC DV	Image Stabilizer	Quick Start
Program AE	LCD Video Light	Multi-Angle Remote Control*	USB 2.0**
SDHC**	MIC Terminal†	9-point AI-AF	Histogram Display**
Pict Bridge**	Still Image Software**		

*ZR950/ZR930 only **ZR950 only
†ZR930/ZR900 only

KIT CONTENTS



ZR950 kit contents shown

- ZR950 or ZR930 or ZR900 Body
- Compact Power Adapter CA-590
- Battery Pack BP-2L5
- Stereo Video Cable STV-250N
- Wireless Controller WL-D85 (ZR930/ZR950 only)
- USB Interface Cable IFC-400PCU (ZR950 only)
- Digital Video Solution Disk (ZR950 only)



Titanic Silver/Dark Gray

ZR950

48x Advanced Zoom MiniDV



Frost Silver/Dark Gray

ZR930

48x Advanced Zoom MiniDV



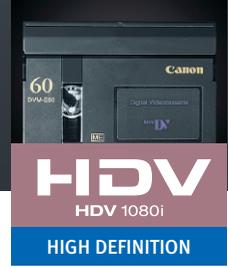
Frost Silver/Dark Blue

ZR900

41x Advanced Zoom MiniDV



Professional High Definition Camcorders



XLH1S | XLH1A

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

- High Definition shoulder-mount HDV Camcorder
- 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)
- HD-SDI (SMPTE 299M) /SD-SDI (SMPTE 272M) Output with embedded audio and time code, Genlock Input, SMPTE Time Code Input and Output (XLH1S only)
- 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 HD 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 functions settings
- 2 Built-in XLR Terminals with independent audio level control



XLH1S



XLH1A

XHG1 | XHA1

Your Vision...in High Definition

- High Definition handheld HDV Camcorder
- 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)
- HD-SDI (SMPTE 299M) /SD-SDI (SMPTE 272M) Output with embedded audio and time code, Genlock Input, SMPTE Time Code Input/Output (XH G1 only)
- 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 image degradation
- 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



XHG1



XHA1



Professional Standard Definition Camcorders



XL2

Open up a World of Possibilities

- Standard Definition shoulder-mount DV Camcorder
- 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
- 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



XL2



GL2

Create Your Vision

- Standard Definition handheld DV Camcorder
- Genuine Canon 20x Professional L Series Fluorite Lens
- Three 1/4" CCD Image Sensors
- Optical Image Stabilizer corrects camera shake instantly while maintaining the integrity of the image
- 1.7 Megapixel Still Images



GL2



Canon Pro Camcorder Technology

GENUINE CANON 20X HD L-SERIES VIDEO ZOOM LENS



Canon 20x HD Video Zoom XL 5.4–108mm L IS Lens III

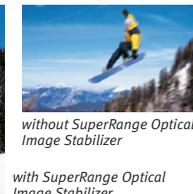
The XL H1S and XL H1A feature the interchangeable Canon 20x HD Video Zoom XL 5.4–108mm L IS Lens III (35mm equivalent 38.9–778mm), and the XH G1 and XH A1 feature a Genuine Canon 20x HD video 4.5–90mm L-series zoom lens (35mm equivalent 32.5–650mm) that incorporate Fluorite and Ultra-Low-Dispersion elements. The red ring L-series designation has been identified as professional lenses worldwide for its unmatched reputation as the choice of industry professionals the world over.



HD Video Lens

SUPERRANGE OPTICAL IMAGE STABILIZER

Canon's SuperRange Optical Image Stabilizer Technology uses a gyro sensor to detect camera movement and compensate for shake and jitter. Greater compensation is achieved by



with SuperRange Optical Image Stabilizer

analyzing the image on the CCD, resulting in highly reliable camera shake correction, without degradation, even at long focal lengths.

THREE 1/3" NATIVE 16:9 CCDs (1440 X 1080)



A sophisticated 3CCD design employs separate native 16:9 sensors for each primary color. Each sensor has 1.67 million pixels (1440 x 1080), giving the camcorders a high pixel count equal to 800 TV lines of horizontal resolution. Canon's superior design delivers outstanding picture quality at 1080 HD resolution. It further ensures highly accurate color with wide dynamic range and virtually no color noise.



DIGIC DV II HD IMAGE PROCESSOR



Designed for HD camcorders, the DIGIC DV II HD Image Processor delivers the superior image quality and operates at 1440 x 1080 pixels with 4:2:2 color sampling. It features a hybrid noise reduction system and employs dual processes to create brilliantly clear HD images.



HD-SDI, GENLOCK AND TIME CODE CONNECTION TERMINALS



Not available on all models

The Canon XL H1S and XH G1 offer industry standard HD-SDI, Genlock and Time Code connections (BNC). SDI outputs conform to industry standard HD-SDI (SMPTE 299M) or SD-SDI (SMPTE 272M), including embedded audio and time code. The HD-SDI output provides a pristine, uncompressed 1.485Gbps 60i signal at 1920 x 1080 resolution with 4:2:2 color sampling. Genlock input enables synchronization of a multi-camera, live-switched production environment in the studio or on location. SMPTE Time Code input and output terminals (switchable terminal on XH G1) accommodates time code requirements in multi-camera shoots, or when synching with other devices.

COMPLETE CUSTOMIZATION

The unmatched customization built into Canon professional HD camcorders allow users to fine-tune the cameras' performance and operating characteristics to match specific environments or applications. Virtually any look the operator intends to create is achievable, thanks to an extensive range of 23 independent adjustments. The menu display is fully customizable as well, with 22 different display options, allowing the user maximum convenience and efficiency. A total of 21 custom function settings allow the camcorder's operation to seamlessly match one's individual shooting preference and style.

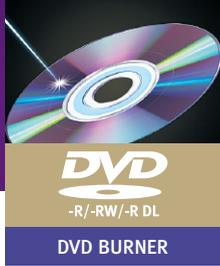


Skin Detail



Black

DW-100



Create and Play Your Own DVDs

- AVCHD/MPEG-2 Burner
- Works with Canon Hard Disk Drive and Flash Memory camcorders
- Super simple one-touch operation
- Playback your videos through your camcorder (AVCHD Only)*
- Flexible recording options add convenience



Records your footage onto standard 5" DVDs



Canon simplifies your video experience with this one-touch DVD burner. Just connect your Canon Hard Disk Drive or Flash Memory camcorder to record over two and one-half hours of footage onto a standard 5" DVD. The burner can also be used to play AVCHD DVDs on your television. Choose to record all, part, or previously unrecorded video from your camcorder.



AVCHD[†]

CREATE YOUR OWN DVD WITH EASE

1 CONNECT



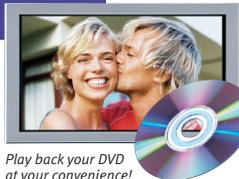
Connect the DW-100 to a compatible Canon Camcorder.

2 RECORD



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

3 PLAY



Play back your DVD at your convenience!



Canon Exclusive Digital Trinity:
a Genuine Canon HD Video Lens, a Canon Full HD Image Sensor (1920 x 1080), and a Canon DIGIC DV II Image Processor

SHOOT. CAPTURE. SEE. BE HD.

VIXIA



HD Video Lens

DIGIC DV II



True HD Sensor
100x HD zoom



LET YOUR MOST SPECTACULAR LIFE EXPERIENCES STAY THAT WAY.

Every detail of your favorite memories is preserved with a Canon **VIXIA** High Definition camcorder. Thanks to legendary Genuine Canon optics and our latest HD technology, all of your videos will have unmatched image quality. With lush color and razor-sharp clarity, experience HD to its full 1920 x 1080 potential. Available in a range of recording formats, including Flash Memory. usa.canon.com/camcorder

SHOOT. CAPTURE. SEE. BE HD.

VIXIA



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Trip to Yellowstone
 Vinnie's Birthday
 Kyle's First Steps
 Beth's Graduation
 Cruise to Alaska
 Laura's Wedding



INTRODUCING CANON FLASH MEMORY CAMCORDERS. THIS IS BIG.

Having Flash Memory at your fingertips allows you to easily transfer, download and share your videos. It also lets us build camcorders that are lighter, smaller and sleeker in design. Now you can record all your favorite memories onto one tiny, flexible SDHC Flash Memory card. Or you can record up to 16GB of additional video to an internal Flash drive with one of our Dual Flash Memory camcorders. Both are available in standard definition or high definition. What video should be, finally is. usa.canon.com/camcorder



VIXIA HF10 DUAL FLASH MEMORY CAMCORDER



Canon
 image*ANYWARE*

Fast and Flexible, Canon Flash Memory Camcorders



Lightweight, compact and easy to operate, Canon Flash Memory camcorders offer the pinnacle of performance, style and flexibility. You can record video of your most precious moments directly to an SDHC memory card, or to an internal Flash drive with one of our "Dual Flash Memory" camcorders. No matter which model you choose, every Canon Flash Memory camcorder is equipped with a Genuine Canon video lens and proprietary Canon video technologies, giving you the image quality you expect from Canon. And they're available in VIXIA High Definition or Standard Definition.

- Record video to an internal Flash drive on select Canon Dual Flash Memory camcorders*
- Record onto SDHC Memory Cards
- Compact, lightweight and sleek design
- Fast response time and low power consumption
- Lower risk of data loss
- Available in VIXIA High Definition and Standard Definition

* Available in VIXIA HF11, VIXIA HF10, FS11 & FS10 only

Canon Flash Memory Camcorder Lineup

HIGH DEFINITION



VIXIA HF11



VIXIA HF10



VIXIA HF100

STANDARD DEFINITION



FS11



FS10



FS100

Canon Digital Cameras



For decades, professional photographers have made Canon their first choice, consistently endorsing Canon as the leader in optical quality and technical innovation. When considering a camcorder, it's important to understand that Canon's clear superiority in still image quality and photographic technology impart a unique and indispensable advantage to Canon camcorders, which rely on much of the same equipment. 70+ years of experience make Canon the obvious choice in camcorders.

EOS-1Ds Mark III



EOS Reborn.

- Superb image quality: 21.1 Megapixel Full-Frame Canon CMOS Sensor, 14-bit A/D conversions for outstanding color tones, and Highlight Tone Priority.
- Dual "DIGIC III" Image Processors for excellent image quality and processing speed.
- Live View Function capabilities, displayed on the large 3.0-inch LCD monitor.
- Outstanding durability thanks to a shutter durability-tested to 300,000 cycles, dust- and water-resistant design, and EOS Integrated Cleaning System.
- Up to 5.0 fps, burst rate up to 12 consecutive RAW images or 56 full-resolution JPEGs, and compatible with high-speed UDMA CF cards.



PowerShot G9



Photographic Genius.

- A class-leading 12.1 Megapixel digital camera with Canon DIGIC III Image Processor, 6x Optical Zoom and Optical Image Stabilizer.
- Full range of shooting and recording modes including RAW + JPEG for the ultimate in creative control.
- Optical viewfinder plus large high-quality 3.0-inch PureColor LCD II screen for bright, accurate color with greater viewing from a wider angle and with an anti-glare, anti-scratch coating.



EOS 40D



The Spirit of Photography.

- Superb image quality: 10.1 Megapixel CMOS Sensor, extensive noise reduction technology, and 14-bit conversion for outstanding color tones and gradations.
- Outstanding performance: 6.5 fps, burst rate up to 75 consecutive JPEGs or 17 RAW images and DIGIC III Image Processor.
- Strong, rugged build quality: magnesium-alloy exterior, shutter durability-tested to 100,000 cycles, top speed 1/8000, top x-sync speed 1/250.



PowerShot SD1100 IS



Color Comes with a Kick.

- Refined and stylish 8.0 Megapixel Digital ELPH with 3x Optical Zoom and Optical Image Stabilizer.
- Enhanced Canon Face Detection Technology automatically sets focus, exposure, flash and white balance for greater shooting freedom.
- Motion Detection Technology automatically reduces blur by calculating subject movement and selecting ideal exposure and ISO settings.
- 2.5-inch PureColor LCD II for bright, accurate color with better viewing from a wide range of angles.



EOS REBEL XS



Power Made Simple.

- Outstanding Image Quality: 10.1 Megapixel CMOS sensor with DIGIC III Image Processor.
- Auto Lighting Optimizer for highlight/shadow control, and Picture Style settings for in-camera color, contrast, and sharpness control.
- High-speed, wide-area 7-point AF with center cross-type sensors.
- Excellent performance with 3.0 fps continuous shooting and burst rate up to 514 Large JPEGs (until memory card is full).
- Large 2.5-inch LCD monitor with Live View Function.



PowerShot A590 IS



Amazing Camera, Awesome Value.

- 8.0 Megapixels with 4x Optical Zoom, Optical Image Stabilizer, large bright 2.5-inch LCD for superb performance.
- Easy Mode simplifies operation; shooting modes from Manual to Automatic make picture-taking carefree.
- DIGIC III Image Processor ensures sharper images and better functionality; enhanced Canon Face Detection AF/AE/FE/WB.
- Motion Detection Technology automatically reduces blur by calculating subject movement and selecting ideal exposure and ISO settings.



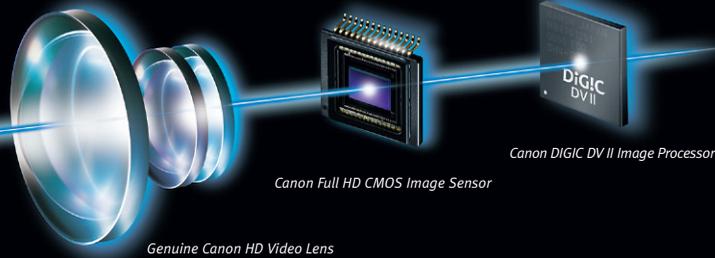


The result is stunningly lifelike images with vivid detail

Entrust Your HD Vision to Canon Quality

Breathtaking realism, vivid and accurate color, stunning contrast and clarity. Your High Definition video deserves it all, and Canon delivers. Canon's unparalleled image quality comes from a masterful blend of vital elements: Canon's legendary HD Video Lens, Canon's exclusive Full HD CMOS Image Sensor and Canon's proprietary DIGIC DV II Image Processor.

Canon Exclusive Digital Trinity for Superb HD Image Quality



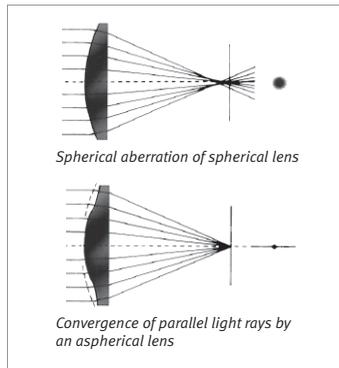
HD Video Lens

CANON HD VIDEO LENS

Experience the superb quality of Genuine Canon Optics

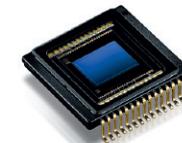
The Canon name is synonymous with optical excellence. More than seven decades of manufacturing lenses for professional broadcast and photography have given Canon superiority in its optical products, and a legendary reputation among professional videographers and photographers. Every Canon camcorder is equipped with a Genuine Canon lens. High Definition video lenses use an aspherical lens to achieve low chromatic aberration with high resolution, and they use super spectra coating technology to lower flare and ghosting. A gradation ND system ensures better exposure in bright shooting situations.

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FULL HD CMOS IMAGE SENSOR

Perfected over decades, ideal for HD video



Canon High Definition camcorders have a decided edge thanks to Canon's longstanding expertise in the design and manufacture of CMOS image sensors for its celebrated EOS Digital SLR cameras. The Full HD CMOS image sensor captures images at 1920 x 1080 pixels to create true HD movies, and on-chip noise reduction technology ensures that even in dimly-lit scenes, the signals from each pixel are as pure as possible. The resulting Full HD video is stunningly lifelike, with brilliant clarity in every detail.

Full HD CMOS



With noise reduction



DIGIC DV II IMAGE PROCESSOR

Most advanced technology delivers exceptional clarity



Canon designed its exclusive DIGIC DV image processing technology specifically for superior image quality, and the technology reaches a new level of excellence in the next generation: DIGIC DV II. DIGIC DV II High Definition digital signal processing ensures the highest image quality for both HD video and still images. Color reproduction is rich and accurate, especially in skin tones and scenes that are particularly dark or light. An advanced hybrid noise reduction system creates images with exceptional clarity.

DIGIC DV II



INSTANT AUTOFOCUS The fast, sharp focus HD demands

Sharp focus is crucial when shooting high-resolution 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 AF system to dramatically decrease focusing time and ensure consistently sharp video.

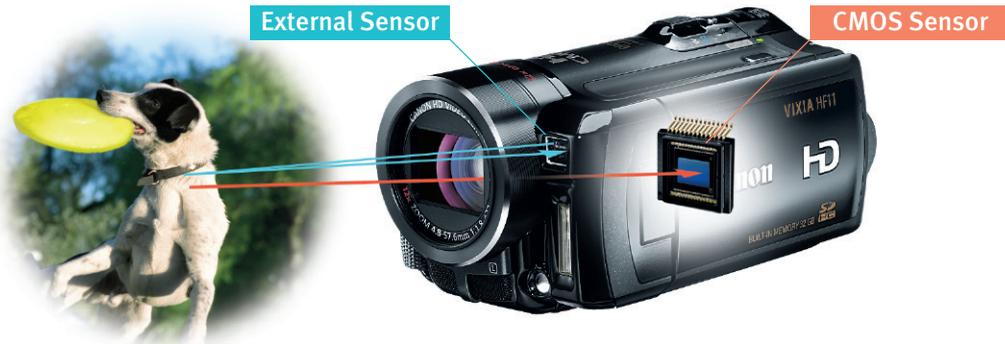


Accurate focus adapts to changing subject



HOW IT WORKS

- 1 First, phase difference detection (with the external sensor) is used to calculate the distance to the subject and the lens is quickly moved.
- 2 Next, the focus is accurately aligned with Canon's TTL-AF method (using the CMOS sensor).



Sharp and steady images even at long focal lengths



SUPERRANGE OPTICAL IMAGE STABILIZER Sharp, steady video at long focal lengths

Canon's sophisticated SuperRange Optical Image Stabilizer corrects camera shake instantly, so even hand-held video taken at long focal lengths is sharp and steady. The system uses an advanced hybrid detection method and covers a wide range of movements to keep your video



with SuperRange Optical Image Stabilizer



OFF

and photos blur-free. Because the system is optical, there is no quality deterioration associated with electronic image stabilizers.



24MBPS Experience the ultimate in HD image quality

24Mbps Recording offers the highest bit rate in the AVCHD standard. The result is enhanced detail, finer tonal gradation and improved reproduction of moving subjects.



More tone, more detail, more reality



Canon Digital Video Technology



FULL HD
1080

Full HD Lens-to-Screen — Record video at Full HD 1920 x 1080 resolution with no loss of detail. So your memories are preserved in stunning clarity... and ready for playback on your HDTV.

1920x1080
Recording

FULL HD
1080

FULL HD RECORDING (1920 X 1080)

1920 x 1080 Recording

Canon High Definition camcorders not only capture images in Full HD, but record and output at 1920 x 1080 as well, so you get Full HD from lens to screen. Because this meticulous level of detail is fully supported by the unmatched quality of Genuine Canon Optics and processing technologies, Canon camcorders offer an HD experience like no other.

HDD HARD DISK DRIVE (HDD) TECHNOLOGY

HDD camcorders record video directly to an internal hard disk drive, letting you record hours of video so you never miss the action. There's no need for tapes or disks. You'll



VIXIA HG21/VIXIA HG20 feature HDD technology

record footage with ultimate quality, and find it easy to view and access your clips on the LCD screen, your computer or TV.

24p
Cinema Mode

24p CINEMA MODE/ 30p PROGRESSIVE MODE

24p Cinema Mode

30p Progressive

Achieve a professional film look with 24p Cinema Mode—a combination of two features which can be used independently or together. The first feature offers a movie film frame rate of 24p, while the second adjusts the color and tonal characteristics to evoke the look and feel of a big-screen movie. 30p Progressive Mode, once exclusive to pro-level camcorders, delivers clarity to fast-action subjects like news and sports, and is the perfect frame rate for clips intended to be posted on the web.



30p Progressive Mode is great for fast action subjects



Advanced Zoom



Wide

Advanced Zoom — Canon's exclusive Advanced Zoom system gives you the flexibility to shoot wide panoramic shots or to zoom up-close up to 48x without any loss in image quality.

48x
Tele



ADVANCED ZOOM

Advanced Zoom

Now you can capture true widescreen **Advanced Zoom** 16:9 video with stunning image quality from any distance—all the way up to 48x. Canon's exclusive Advanced Zoom system combines Genuine Canon Optics with Canon's proprietary DIGIC DV Image Processor to let you seamlessly zoom both wide and long, retaining optical quality throughout the zoom range.



RGB PRIMARY COLOR FILTER

RGB Primary Color Filter

Both video footage and photos benefit from an RGB Primary Color Filter. The filter separates light into its red, green and blue color components. The resulting images are vibrant with vivid, true-to-life color that takes all your movies and still images to the next level.



PROGRAM AE MODE

Program AE

Program AE Mode automatically optimizes exposure for a variety of different conditions and subjects. These modes make it easy to get the best possible image quality, and include; Program, Portrait, Sports, Night, Snow, Beach, Sunset, Spotlight and Fireworks.



QUICK START

Quick Start

Don't miss any more great shots while waiting for your camcorder to power up! Canon's Quick Start button puts your camcorder in standby mode, considerably reducing power consumption to preserve battery life. Another touch of the button puts you back in recording mode in under a second, ready to capture more great footage.



Quick Start — When the LCD is flipped, the monitor shows the image instantly ready to record. (VIXIA HF/HG and FS Series)

Canon Digital Video Technology

Multiangle Vivid LCD



Multi-Angle Vivid Widescreen LCD — The screen allows for clear viewing from any direction and provides an expanded color range.



The Multi-Angle Vivid LCD is clear and bright even at wide viewing angles.



Conventional LCD Screen

Multiangle Vivid LCD

MULTI-ANGLE VIVID WIDESCREEN LCD



Get a remarkably accurate look at what you're shooting—and what you'll see later on your TV or computer—with Canon's Multi-Angle Vivid Widescreen LCD. The widescreen offers a wide viewing angle visible from any direction—perfect for flexibility while shooting or showing videos to others on the spot. The screen's expanded color range is robust and accurate.

HIGH-DEFINITION MULTIMEDIA INTERFACE TERMINAL (HDMI)



HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

HDMI is the new standard in HD connection. Canon camcorders with an HDMI terminal use a single cable to transport a High Definition video signal with audio to your HDTV.



INTELLIGENT LITHIUM-ION BATTERY

The new Intelligent Lithium-ion Battery accurately indicates remaining battery time down to the minute. No more guessing about how much recording time you have left.



ADVANCED PHOTO FEATURES

Inside each Canon High Definition camcorder lives a full-featured Canon digital camera. With resolution up to 3.1 megapixels, photos from your camcorder are beautifully



Histogram display

detailed. And Canon's advanced technology makes it easy. 9-point AiAF brings off-center subjects into sharp focus. A built-in flash ensures superior photos indoors and in low light. Histogram display gives you the brightness information you need to make adjustments on successive shots.



Photo Grab — Canon's Photo Grab feature allows you to "grab" a 2.0 Megapixel photo directly from your video footage.

PHOTO GRAB

Now when you're playing back your video footage and see a frame that would make a great photo, you can "grab" it. Photo Grab is a professional level feature that lets you "grab" a sharp 2.0 megapixel photo from your HD video footage. Never miss another perfect photo!



MULTI-ANGLE REMOTE CONTROL

A remote control sensor is built into the LCD screen, allowing you to activate camcorder functions with the remote control from any angle.



BUILT-IN VIDEO LIGHT/LCD VIDEO LIGHT



Built-in Video Light

Canon camcorders with a Built-in Video Light (LED) conveniently expand your ability to shoot in low light. The light lets you capture well-detailed color images in low light at distances up to nearly 5 feet.

Canon's LCD Video Light is integrated into the camcorder's LCD screen: simply flip over the screen to face your subject and activate the video light function to create a soft light that illuminates the area in less than ideal lighting conditions.



DIRECT PRINTING/ PICTBRIDGE

You can print the photos you've captured with your camcorder directly to a printer without using a computer. Canon photo printers work in tandem with Canon camcorders to optimize print quality. And Canon camcorders also use the PictBridge standard, allowing you to print directly from your camcorder to any PictBridge compatible printer.



PIXMA MP480 Photo All-In-One



Canon Digital Video Technology

Approximate Recording Times of SDHC Memory Cards, Dual Flash Memory and HDD Camcorders

High Definition					
	MXP* High Image Quality Approx. 24 Mbps	FXP* High Image Quality Approx. 17 Mbps	XP+ High Image Quality Approx. 12 Mbps	SP Standard Approx. 7 Mbps	LP Long Play Approx. 5 Mbps
SDHC Memory Cards					
2GB	10 min.	15 min.	20 min.	35 min.	45 min.
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.
Dual Flash Memory Camcorders					
VIXIA HF10 (16GB)	–	2 hr. 5 min.	2 hr. 50 min.	4 hr. 45 min.	6 hr. 5 min.
VIXIA HF11 (32GB)	2 hr. 55 min.	4 hr. 10 min.	5 hr. 45 min.	9 hr. 35 min.	12 hr. 15 min.
HDD (Hard Disk Drive) Camcorders					
VIXIA HG20 (60GB)	5 hr. 30 min.	7 hr. 50 min.	10 hr. 50 min.	18 hr.	22 hr. 55 min.
VIXIA HG21 (120GB)	11 hr. 5 min.	15 hr. 45 min.	21 hr. 40 min.	36 hr.	45 hr. 55 min.

* MXP and FXP modes record in 1920 x 1080 and require Class 4 or higher SDHC card

Standard Definition					
	–	–	XP High Image Quality Approx. 9 Mbps	SP Standard Approx. 6 Mbps	LP Long Play Approx. 3 Mbps
SDHC 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.
Dual Flash Memory Camcorders					
FS10 (8GB)	–	–	1 hr. 50 min.	2 hr. 45 min.	5 hr. 10 min.
FS11 (16GB)	–	–	3 hr. 40 min.	5 hr. 30 min.	10 hr. 25 min.

Software



COREL APPLICATION DISK (DC330) – WINDOWS XP & VISTA

With the supplied Corel Application Disk, all the tools you need to get the most out of your DVD camcorder are right at your fingertips. Easily make copies of your DVD to share with friends and family. Want to create the next Hollywood blockbuster? The Corel Application Disk features a simple-to-use video editor which allows you to: trim and delete scenes, add titles, transitions, and music.

CANON DIGITAL VIDEO SOLUTION DISK (ALL MODELS EXCEPT ZR950/ZR930)



ZoomBrowser EX—Zoom Mode

Canon camcorders include ZoomBrowser EX (Windows) / ImageBrowser (Mac) which provides tools for still image file management, image viewing and editing.

PIXELA IMAGEMIXER 3SE (VIXIA HF11/HF10/HF100, HG21, HG20, FS11, FS10, FS100)

Enjoy the flexibility and versatility of your Canon Flash Memory camcorder or Hard Disk Drive camcorder with the supplied Pixela ImageMixer 3SE software. This powerful software lets you organize, enhance, and share your video. An easy-to-use application launcher makes it easy to transfer your video to your computer, burn an AVCHD[†] DVD or Standard Definition DVD. A sophisticated catalog system keeps all your videos indexed and organized—so you can always find them quickly. Inside ImageMixer 3SE lives feature-packed video editing software, allowing you to trim, reorder, or combine scenes. To give your movies a professional touch, simply add scene transitions, music, and titles. And when you're finished, burn an AVCHD[†] DVD, Blu-Ray DVD* or Standard Definition DVD to relive the memories on your TV. A built-in video player allows you to play your AVCHD[†] DVD, as well as AVCHD[†] or MPEG2 data files on you computer. For added versatility, Pixela ImageMixer 3SE can convert your movie to a file format compatible with web video sharing sites.

Additionally, your movie can be resized for online posting, and viewed on portable entertainment devices.



Consumer Camcorder Accessories

	Starter Kits					Cases			Batteries	
	Multi-Camcorder Starter Kit 2069B006	FS Series Camcorder Starter Kit 2740B004	MiniDV Camcorder Starter Kit 9582A008	MiniDV Camcorder Starter Kit Basic 1611B002	DVD Camcorder Starter Kit 0802B007	Soft Carrying Case SC-2000 9389A001	Video Case FC-20 1272V094	Video Case FC-10 1272V093	NB-2LH 9612A001	BP-827 3185B002
VIXIA HF11						•				•
VIXIA HF10						•				•
VIXIA HF100						•				•
VIXIA HG21						•				•
VIXIA HG20						•				•
VIXIA HV30	•		•	•		•			•	
FS11		•				•		•		
FS10		•				•		•		
FS100		•				•		•		
DC330	•				•	•			•	
DC320	•				•	•			•	
DC310	•				•	•			•	
ZR950	•		•	•		•			•	
ZR930	•		•	•		•			•	
ZR900	•		•	•		•			•	
	Batteries					Chargers/Adapters				
	BP-819 2589B002	BP-809S 2588B003	BP-809BK 2588B004	BP-808 2740B002	BP-2L24H 2383B002	BP-2L14 9582A002	CG-800 2590B002	CBC-NB2 7873A002	CB-2LW 0763B001	CA-590 1887B002
VIXIA HF11	•		•	•			•			
VIXIA HF10	•		•	•			•			
VIXIA HF100	•	•	•	•			•			
VIXIA HG21	•		•	•			•			
VIXIA HG20	•		•	•			•			
VIXIA HV30					•	•		•	•	
FS11				•			•			•
FS10				•			•			•
FS100				•			•			•
DC330					•	•		•	•	
DC320					•	•		•	•	
DC310					•	•		•	•	
ZR950						•		•	•	•
ZR930						•		•	•	•
ZR900						•		•	•	•

Consumer Camcorder Accessories

	Chargers/Adapters	Cables			Lenses					
	CA-570 8468A002	STV-250N 3067A002	HTC-100 2384B001	CTC-100 1719B001	WD-H43 2072B001	WD-H37 II 3187B001	TL-H43 2071B001	TL-H37 8835A001	FS-43U II 7150A004	FS-H37U 8837A001
										
VIXIA HF11	•	•	•	•		•		•		•
VIXIA HF10	•	•	•	•		•		•		•
VIXIA HF100	•	•	•	•		•		•		•
VIXIA HG21	•	•	•	•		•		•		•
VIXIA HG20	•	•	•	•		•		•		•
VIXIA HV30	•	•	•	•	•		•		•	
FS11		•								
FS10		•								
FS100		•								
DC330	•	•								
DC320	•	•								
DC310	•	•								
ZR950		•								
ZR930		•								
ZR900		•								
Microphones		Video Light		Media		DVD Burner		Straps		
	DM-100 2591B002	DM-50 3176A002	VL-5 3186B001	DVM-E60/DVM-E80 3133A002/4254A002	DVD-RDL54 1766B001	DW-100 2683B002	WS-20 3118A002	SS-650 3123A001	SS-600 3122A001	NS-10 1272V095
										
VIXIA HF11	•		•			•	•	•	•	•
VIXIA HF10	•		•*			•	•	•	•	•
VIXIA HF100	•		•*			•	•	•	•	•
VIXIA HG21	•		•			•	•	•	•	•
VIXIA HG20	•		•			•	•	•	•	•
VIXIA HV30		•		•		•	•	•	•	•
FS11						•	•	•	•	•
FS10						•	•	•	•	•
FS100						•	•	•	•	•
DC330					•		•	•	•	•
DC320					•		•	•	•	•
DC310					•		•	•	•	•
ZR950				•			•	•	•	•
ZR930				•			•	•	•	•
ZR900				•			•	•	•	•

Consumer Camcorder Specifications

HD CAMCORDERS	VIXIA HF11	VIXIA HF10	VIXIA HF100	VIXIA HG21	VIXIA HG20	VIXIA HV30
						
Format	AVCHD [†] (up to 24 Mbps)	AVCHD [†] (up to 17 Mbps)	AVCHD [†] (up to 17 Mbps)	AVCHD [†] (up to 24 Mbps)	AVCHD [†] (up to 24 Mbps)	HDV/DV
Recording Media	Dual Flash Memory	Dual Flash Memory	Flash Memory	HDD / Flash Memory	HDD / Flash Memory	MiniDV
Internal Storage	32GB	16GB	–	120GB	60GB	–
Image Sensor	1/3.2" CMOS	1/3.2" CMOS	1/3.2" CMOS	1/3.2" CMOS	1/3.2" CMOS	1/2.7" CMOS
Total Pixels	Approx. 3.3 Megapixels CMOS	Approx. 3.3 Megapixels CMOS	Approx. 2.96 Megapixels CMOS			
Effective Pixels	Movie: Approx. 2.07 Megapixels (1920 x 1080) Still Images: Approx. 2.76 Megapixels (1920 x 1440)	Movie: Approx. 2.07 Megapixels (1920 x 1080) Still Images: Approx. 2.76 Megapixels (1920 x 1440)	Movie: Approx. 2.07 Megapixels (1920 x 1080) Still Images: Approx. 2.76 Megapixels (1920 x 1440)	Movie: Approx. 2.07 Megapixels (1920 x 1080) Still Images: Approx. 2.76 Megapixels (1920 x 1440)	Movie: Approx. 2.07 Megapixels (1920 x 1080) Still Images: Approx. 2.76 Megapixels (1920 x 1440)	Movie: Approx. 2.07 Megapixels (1920 x 1080) Still Images: Approx. 2.76 Megapixels (1920 x 1440)
Full HD 1920 x 1080 Movie Recording	Yes	Yes	Yes	Yes	Yes	–
Image Processor	DIGIC DV II	DIGIC DV II	DIGIC DV II	DIGIC DV II	DIGIC DV II	DIGIC DV II
Image Stabilizer	SuperRange Optical Image Stabilizer	SuperRange Optical Image Stabilizer	SuperRange Optical Image Stabilizer			
Zoom Ratio (Optical/Digital)	12x/200x	12x/200x	12x/200x	12x/200x	12x/200x	10x/200x
24Mbps Recording	Yes	–	–	Yes	Yes	–
Minimum Focusing Distance (Wide/Tele)	10mm/1m	10mm/1m	10mm/1m	10mm/1m	10mm/1m	10mm/1m
Instant AF	Yes	Yes	Yes	Yes	Yes	Yes
LCD Screen	2.7" Multi-Angle Vivid Widescreen LCD (Approx. 211,000 pixels)	2.7" Multi-Angle Vivid Widescreen LCD (Approx. 211,000 pixels)	2.7" Multi-Angle Vivid Widescreen LCD (Approx. 211,000 pixels)	2.7" Multi-Angle Vivid Widescreen LCD (Approx. 211,000 pixels)	2.7" Widescreen LCD (Approx. 211,000 pixels)	2.7" Multi-Angle Vivid Widescreen LCD (Approx. 211,000 pixels)
Viewfinder	–	–	–	0.27" Widescreen Color EVF (Approx. 123,000 pixels)	–	0.27" Widescreen Color EVF (Approx. 123,000 pixels)
Quick Start	Yes	Yes	Yes	Yes	Yes	–
HDMI Terminal	Yes	Yes	Yes	Yes	Yes	Yes
24p Cinema Mode	Yes	Yes	Yes	Yes	Yes	Yes
30p Progressive Mode	Yes	Yes	Yes	Yes	Yes	Yes
Program AE Modes	Yes	Yes	Yes	Yes	Yes	Yes
Still Image Recording	Large (2048 x 1536), Large Wide (1920 x 1080), Medium (1440 x 1080), Small (640 x 480)	Large (2048 x 1536), Large Wide (1920 x 1080), Medium (1440 x 1080), Small (640 x 480)	Large (2048 x 1536), Large Wide (1920 x 1080), Medium (1440 x 1080), Small (640 x 480)	Large (2048 x 1536), Large Wide (1920 x 1080), Medium (1440 x 1080), Small (640 x 480), Wide (848 x 480)	Large (2048 x 1536), Large Wide (1920 x 1080), Medium (1440 x 1080), Small (640 x 480), Wide (848 x 480)	Large (2048 x 1536), Large Wide (1920 x 1080), Medium (1440 x 1080), Small (640 x 480)
Memory Card Slot	SD/SDHC	SD/SDHC	SD/SDHC	SD/SDHC	SD/SDHC	MiniSD
Video Light	White LED	White LED	White LED	–	–	White LED
Remote Control	Yes	Yes	Yes	Yes	Yes	Yes
Included Digital Video Solution Disk	Yes	Yes	Yes	Yes	Yes	Yes
Included Video Editing Software	Yes	Yes	Yes	Yes	Yes	–
USB Terminal (supports PictBridge)	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Full-Speed
Built-in Lens Cover	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Advanced Accessory Shoe	Yes (mini)	Yes (mini)	Yes (mini)	Yes (mini)	Yes (mini)	Yes
MIC Terminal	Yes (manual audio level control)	Yes (manual audio level control)	Yes (manual audio level control)			
Dimensions (W x H x D)	Approx. 2.9 x 2.5 x 5.1 in./ 73 x 64 x 129mm	Approx. 2.9 x 2.5 x 5.1 in./ 73 x 64 x 129mm	Approx. 2.9 x 2.5 x 5.1 in./ 73 x 64 x 129mm	Approx. 3.1 x 3.0 x 5.5 in./ 80 x 77 x 139mm	Approx. 3.1 x 3.0 x 5.4 in./ 80 x 77 x 138mm	Approx. 3.5 x 3.2 x 5.4 in./ 88 x 82 x 138mm
Weight (Body Only)	Approx. 13.4 oz./380g	Approx. 13.4 oz./380g	Approx. 13.4 oz./380g	Approx. 1.1 lb./490g	Approx. 1.0 lb./465g	Approx. 1.2 lb./535g

[†] High Definition footage in the AVCHD format can be copied onto DVD media with included software. However, 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.

Consumer Camcorder Specifications

SD CAMCORDERS	FS11	FS10	FS100	DC330	DC320	DC310	ZR950	ZR930	ZR900	
										
Format	MPEG-2 (SD-VIDEO)	MPEG-2 (SD-VIDEO)	MPEG-2 (SD-VIDEO)	DVD-VIDEO (VR)	DVD-VIDEO (VR)	DVD-VIDEO (VR)	DV	DV	DV	
Recording Media	Dual Flash Memory	Dual Flash Memory	Flash Memory	DVD-R/-RW/-R DL	DVD-R/-RW/-R DL	DVD-R/-RW/-R DL	MiniDV	MiniDV	MiniDV	
Internal Storage	16GB	8GB	–	–	–	–	–	–	–	
Image Sensor	1/6" CCD	1/6" CCD	1/6" CCD							
Total Pixels	Approx. 1.07 Megapixels CCD	Approx. 680,000 Pixels CCD	Approx. 1.07 Megapixels CCD	Approx. 1.07 Megapixels CCD	Approx. 680,000 Pixels CCD					
Effective Pixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.45 Megapixels (WIDE)/ 0.36 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.36 Megapixels; Still Capture: 0.45 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.71 Megapixels (WIDE)/ 0.41 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.55 Megapixels; Still Capture: 0.8 Megapixels	Movie Recording: Advanced Zoom ON (16:9): 0.45 Megapixels (WIDE)/ 0.36 Megapixels (TELE); Advanced Zoom OFF (16:9): 0.36 Megapixels; Still Capture: 0.45 Megapixels
Image Processor	DIGIC DV II	DIGIC DV	DIGIC DV	DIGIC DV						
Image Stabilizer	Electronic Image Stabilizer	Electronic Image Stabilizer	Electronic Image Stabilizer							
Advanced Zoom (16:9)	48x	48x	48x	48x	48x	41x	48x	48x	41x	
Zoom Ratio (Optical/Digital)	37x/2000x	37x/2000x	37x/2000x							
Smooth Zoom Control	Yes	Yes	Yes							
Minimum Focusing Distance (Wide/Tele)	10mm/1m	10mm/1m	10mm/1m							
LCD Screen	2.7" Widescreen LCD (Approx. 123,000 pixels)	2.7" Widescreen LCD (Approx. 123,000 pixels)	2.7" Widescreen LCD (Approx. 123,000 pixels)	2.7" Widescreen LCD (Approx. 112,000 pixels)	2.7" Widescreen LCD (Approx. 112,000 pixels)	2.7" Widescreen LCD (Approx. 112,000 pixels)				
Viewfinder	–	–	–	0.35" Widescreen Color EVF (Approx. 114,000 pixels)	0.35" Widescreen Color EVF (Approx. 114,000 pixels)	0.35" Widescreen Color EVF (Approx. 114,000 pixels)				
Quick Start	Yes	Yes	Yes							
Program AE Modes	Yes	Yes	Yes							
Level Shot Control	Yes	Yes	Yes							
Still Image Recording	Large Wide (1152 x 864) Large (1152 x 648) Small (640 x 480)	Large Wide (1152 x 864) Large (1152 x 648) Small (640 x 480)	Large Wide (1152 x 864) Large (1152 x 648) Small (640 x 480)	Large Wide (1152 x 864) Large (1152 x 648) Small (640 x 480)	Large Wide (1152 x 864) Large (1152 x 648) Small (640 x 480)	Large Wide (1024 x 768) Small (640 x 480)	Large Wide (1152 x 864) Small (640 x 480)	–	–	
Memory Card Slot	SD/SDHC	–	–							
Video Light	White LED	White LED	White LED	LCD	LCD	LCD	LCD	LCD	LCD	
Remote Control	Yes	Yes	Yes	Yes	–	–	Yes	Yes	–	
Included Digital Video Solution Disk	Yes	Yes	Yes	Yes	–	–	Yes	–	–	
Included Video Editing Software	Yes	Yes	Yes	Yes	–	–	–	–	–	
USB Terminal (supports PictBridge)	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	–	–	USB 2.0 Full-Speed	–	–	
Built-in Lens Cover	Electronic	Electronic	Electronic	Manual	Manual	Manual	Manual	Manual	Manual	
MIC Terminal	Yes	Yes	Yes	–	–	–	–	Yes	Yes	
Dimensions (W x H x D)	Approx. 2.3 x 2.4 x 4.9 in./ 58 x 60 x 124mm	Approx. 2.3 x 2.4 x 4.9 in./ 58 x 60 x 124mm	Approx. 2.3 x 2.4 x 4.9 in./ 58 x 60 x 124mm	Approx. 2.6 x 3.5 x 5.0 in./ 66 x 90 x 126mm	Approx. 2.6 x 3.5 x 5.0 in./ 66 x 90 x 126mm	Approx. 2.6 x 3.5 x 5.0 in./ 66 x 90 x 126mm	Approx. 2.7 x 3.2 x 5.0 in./ 68 x 82 x 127mm	Approx. 2.7 x 3.2 x 5.0 in./ 68 x 82 x 127mm	Approx. 2.7 x 3.2 x 5.0 in./ 68 x 82 x 127mm	
Weight (body only)	Approx. 9.3 oz./265g	Approx. 9.3 oz./265g	Approx. 9.3 oz./265g	Approx. 13.4 oz./380g	Approx. 13.4 oz./380g	Approx. 13.4 oz./380g	Approx. 13.8 oz./390g	Approx. 13.4 oz./380g	Approx. 13.4 oz./380g	