

SPECIFICATIONS

Image Sensor: 1/2.7 inch CMOS sensor, RGB Primary Color Filter

Total Pixels: approx. 2.96 megapixels

Effective Pixels: **Tape Recording: 16:9 mode:** approx. 2.07 megapixels 1,920 (H) x 1,080 (V), **4:3 mode:** approx. 1.55 megapixels 1,440 (H) x 1,080 (V)

Card Recording: 16:9 mode: approx. 2.07 megapixels 1,920 (H) x 1,080 (V), **4:3 mode:** approx. 2.76 megapixels 1,920 (H) x 1,440 (V)

Minimum Subject Illumination: .3 lx (Night mode), 5 lx (Auto mode)

Lens: f= 6.1-61mm, f/1.8-3.0, 10x zoom

Digital Zoom: 40/200x

LCD Screen: 2.7-inch Widescreen TFT Color (approx. 210,000 pixels)

Viewfinder: 0.27-inch Widescreen TFT Color (approx. 123,000 pixels)

Image Stabilizer: Super-Range Optical Image Stabilizer (lens shift)

Filter Diameter: 37mm

Lens Cap: Built-in type (electronically opened and closed)

AE Mode: Program AE: AUTO, Program (P, Av, Tv), SCN (Portrait, Sports, Night, Snow, Beach, Sunset, Spotlight, Fireworks)

White Balance: Auto, Preset (Daylight, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H), System (TTL, 128 segments)

Audio Recording: Tape only; DV recording (16-bit 2 channels (48kHz) or 12-bit 4 channels (32kHz)), HDV recording: MPEG1 Audio Layer II (4 channel synchronous recording not possible)

Still Image Recording: Card only; Recording sizes: Small (640 x 480), Small Wide (848 x 480), Medium (1,440 x 1,080), Large (2,048 x 1,536), Large Wide (1,920 x 1,080)

HDV/DV Terminal: Compliant with IEEE 1394-AV/C protocol

AV mini-Terminal: ø 3.5mm 4-pole mini-jack

USB Port: mini-B. Supports USB 2.0 Hi-Speed

Display Languages: English, Spanish, German, French, Italian, Russian, Polish, Korean, Simplified/Traditional Chinese, Thai, Japanese

Errors and omission are excepted. Weight and dimensions are approximate. Subject to change without notice. Canon is a registered trademark of Canon Inc. IMAGEANYWARE is a trademark of Canon. All other products and brand names are registered trademarks, trademarks or service marks of their respective owners. Use of genuine Canon accessories recommended: this product is designed to achieve excellent performance optimally when used with genuine Canon accessories.

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

HV10 KIT



- HV10 Camcorder
- Battery Pack BP-310 (with Terminal Cover)
- Compact Power Adapter CA-570
- Stereo Video Cable STV-250N
- Wireless Controller WL-D87
- USB Cable IFC-300PCU
- Component Cable CTC-100
- Digital Video Solution Disk for Windows & Macintosh

OPTIONAL ACCESSORIES



Battery Packs BP-315
Extra battery pack for extended recording time.



Battery Charger CG-300
Charges battery packs from a household power source.



Tele-Converter TL-H37
Increases focal length by 1.5x.



Wide-Converter WD-H37C
Gives wide-angle coverage at 0.7x.



Filter Set FS-H37U
Includes Neutral Density Filter ND-8 and MC Protector.



Soft Carrying Case SC-2000
Protect your camcorder with this professional-quality carrying Case, featuring secure compartments for filters and extra battery packs.



High Definition miniDV Cassette HDVM-E63PR

Canon

HV10

HDV CAMCORDER



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imageANYWARE

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TRUE HD IN YOUR POCKET

Superior Quality... Stylish Design

HDV
HDV 1080i



10x Zoom with Super-Range Optical Image Stabilizer



without Super-Range Optical Image Stabilizer

The world's smallest and lightest HDV camcorder* takes you deep into the tiniest detail and right to the forefront of video technology. Experience exceptional clarity in high definition resolution, captured on miniDV cassette tapes. Get your hand around its ultra-compact vertical design, and you'll understand why the HV10 sets a new standard for discerning videographers.

*As of August 2006

Genuine Canon Optics Make the Difference

10x High Definition Video Lens

With more than 70 years of expertise in manufacturing lenses for professional broadcast and still photography, the Canon name represents optical excellence. The HV10 *Genuine Canon 10x HD Video Zoom Lens* is designed specifically to capture crisp high definition video. It incorporates an aspherical lens, super spectra coating technology and a new gradation ND filter design to ensure stunning image quality, while minimizing aberration. A built-in electronic lens cover puts a sleek end to dangling lens caps.



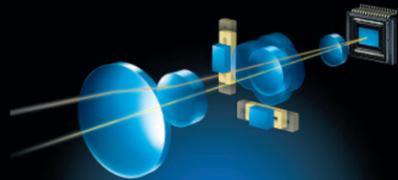
HD Video Lens

Super-Range Optical Image Stabilizer

The HV10 HDV is the first consumer-level HD camcorder that features Canon's *Super-Range Optical Image Stabilizer* to help deliver smooth, steady video,

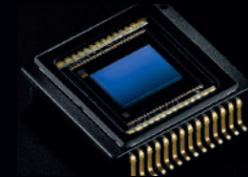


OPTICAL IMAGE STABILIZER



even at longer focal lengths. The system uses two detection methods (gyro and vector) to sense the widest range of vibrations from hand-held shake, to vibration from a moving vehicle. By using optical stabilization, it can compensate for a greater degree of camera shake and avoid any loss in image quality, unlike electronic image stabilizers. It is even effective for both video and photos.

Image Quality As Real As it Gets



1920
x1080
CMOS

Canon True HD CMOS Sensor (1,920 x 1,080)

Canon's expertise in designing and manufacturing CMOS image sensors for its line of EOS Digital SLR cameras is now available in the Canon HV10 HDV camcorder. The *2.96 Megapixel CMOS sensor* captures true HD information at 1,920 x 1,080, giving your images the ultimate in realistic detail. Canon's advanced noise reduction technology, ensures the purity of each pixel even in dim light, minimizing noise and other aberrations. It incorporates an *RGB Primary Color Filter* with Bayer placement to deliver a sharp HD image with vibrant and accurate color reproduction.



DIGIC DV II

The HV10 features DIGIC DV II, Canon's proprietary image processor, designed specifically for HD video and photos. DIGIC DV II provides highly accurate color and tonal reproduction needed for exceptional HD image quality. A new noise reduction system, combined with a new gamma system, helps to reduce noise in monotone and shadow areas. The fast processing speed of the DIGIC DV II chip allows video and photos to be shot simultaneously. Furthermore, the processor lowers power consumption, providing longer battery life.



DIGIC DV II

Professional Results Made Easy



Focus of moving subjects is a snap with Instant AF.



Instant AF
Since achieving sharp focus is critical when shooting in High Definition, the HV10 features Canon's revolutionary new *Instant AF* focusing system. It offers a dramatic improvement in auto focus speed and accuracy (compared to traditional autofocus systems). Instant AF uses an external sensor, in combination with Canon's autofocus system, to help significantly decrease the time it takes to find focus. It is especially effective when shooting at night, in high-brightness conditions or when following a moving subject.

Enhanced Usability

The HV10 camcorder is also equipped with a bright, *Ultra Video Light*, so you can keep shooting in low-light conditions. The HV10 also offers features for achieving professional results. An adjustable *Zebra Pattern* (70%/100%) helps you identify overexposed areas. For better accuracy when manual focusing, *Peaking* enhances the edge or outline of your subject. *Level Shot Control* displays a horizontal marker to keep your subject level, while a *Grid Marker* divides the screen into thirds (with horizontal & vertical lines), making it easy to compose great shots. And *Smooth Zoom Control* allows you to zoom at a constant speed, for a polished look.



Breathtaking Photos

3.1 Megapixel Photos

Inside the HV10 camcorder lives a full-featured Canon digital camera, allowing you to capture stunning *3.1 megapixel photos* (2,048 x 1,536) onto a tiny miniSD card. Just like an advanced Canon camera, the HV10 offers: *9 Point AiAF* (Auto Intelligent Auto Focus), *Metering Modes*, *Shutter and Aperture Priority*, *Continuous Shooting Mode*, *Auto Exposure Bracketing*, and a *Built-in Flash with Red-Eye Reduction*. With the *Histogram Display*, you can monitor the brightness of your shots, allowing you to adjust successive shots to your preference. It also features *Direct Printing*, making it simple, quick and convenient to produce high quality photos, just by connecting to any PictBridge compatible printer.

3.1 MEGA
PIXELS
STILL IMAGE RECORDING



Simultaneous Photo Shooting

Don't let a great photo opportunity pass you by—even while you're shooting video. The HV10 allows *Simultaneous Photo Shooting*. Simply press the photo button to capture a *2.0 megapixel* (1,920 x 1,080) photo to a memory card with no interruption to your video. You can even capture photos from tape during playback.



Actual Size