



### A Superior Feature Set

A comprehensive set of well-designed features positions the HV20 as a premium quality camcorder.

An **Advanced Accessory Shoe** lets you attach optional accessories such as a video light or directional microphone, without additional wires or batteries. For added audio flexibility, the HV20 features **Mic and Headphone Terminals**.

### Manual Audio Level

**Adjustment** provides professional control. The HV20 is an ideal tool for shooting in low light with the built-in **Ultra Video Light**. An **Electronic Lens Cover** automatically opens when the camcorder is turned on, and closes when it is turned off, so there is no dangling lens cover to lose.



Use of genuine Canon accessories is recommended; this product is designed to achieve excellent performance optimally when used with genuine Canon accessories.

### HV20 KIT



- HV20 HD Camcorder
- Battery Pack BP-2L13 (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

### SPECIFICATIONS

**Tape Format:** Videocassette bearing the "HDV" or "MiniDV" mark

**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 1920 (H) x 1080 (V), **4:3 mode:** approx. 1.55 megapixels 1440 (H) x 1080 (V); **Card Recording:**

**16:9 mode:** approx. 2.07 megapixels 1920 (H) x 1080 (V), **4:3 mode:** approx. 2.76 mega-pixels 1920 (H) x 1440 (V)

**Minimum Subject Illumination:** .2 lx (Night mode), 3.0 lx (Auto mode)

**Recommended Illumination:** More than 100 lx

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

**Digital Zoom:** 40/200x

**Focusing System:** Instant AF, Normal AF (TTL only), Manual

**Minimum Focusing Distance:** 10mm (Wide), 1m (Tele)

**LCD Screen:** 2.7-inch Widescreen TFT Color (approx. 211,000 pixels)

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

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

**Filter Diameter:** 43mm

**Lens Cap:** Built-in type (electronically opens and closes)

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

**Specifications are subject to change without notice. Weight and dimensions are approximate. Canon is a registered trademark of Canon Inc. in the United States and may also be a registered trademark or trademark in other countries. IMAGEANYWARE is a trademark of Canon. "HDV" and "HDV" logo are trademarks of Sony Corporation and Victor Company of Japan, Limited (JVC). Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies. Warning: Unauthorized recording of copyrighted materials may infringe on the rights of copyright owners and be contrary to copyright laws.**

**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 (1440 x 1080), Large (2048 x 1536), Large Wide (1920 x 1080)

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

**HDMI Terminal:** Type A (19 pins), 480i / 480P / 1080i Format supported

**Component Terminal:** Special D Terminal (1080i/480i compatible)

**Microphone Terminal:** 3.5mm stereo mini-jack

**AV mini-Terminal/Headphone Terminal:** ø 3.5mm 4-pole mini-jack

**USB Port:** mini-B. Supports USB 2.0 Full Speed

**Dimensions (W x H x D):** approx. 3.5 x 3.2 x 5.4 in./88 x 80 x 138mm

**Weight (Camcorder body only):** approx. 1.2 lb/535g

**Display Languages:** English, Spanish, German, French, Italian, Russian Polish, Romanian, Turkish, Ukrainian, Arabic, Persian, Korean, Simplified/Traditional Chinese, Thai, Japanese

### OPTIONAL ACCESSORIES



**Battery Pack NB-2LH, BP-2L14**  
Extra battery pack for extended recording time.



**Battery Charger CB-2LW**  
Charges battery packs from a household power source.



**Car Battery Charger CBC-NB2**  
Charges battery pack from a car.



**Tele-Converter TL-H43**  
Increases focal length by 1.7x.



**Wide-Converter WD-H43**  
Gives wide-angle coverage at 0.7x.



**Filter Set FS-43U II**  
Includes Neutral Density Filter ND8 and MC Protector.



**Directional Microphone DM-50**  
Connects to the Advanced Accessory Shoe. No cables or additional power required.



**Video Flash Light VFL-1**  
Combination flash and video light. Attaches to the Advanced Accessory Shoe for cable-free operation.



**Video Light VL-3**  
Provides extra brightness in low-light situations. No cables or additional power required.



**Battery Video Light VL-10Li/10Li II**  
Gives improved lighting and image quality.



**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 mini DV Cassette HDVM-E63PR-2**  
Canon HDV tape, the highest quality recording media for this HD camcorder.

# Canon

# HV20

## HD CAMCORDER



TRUE HD to Life

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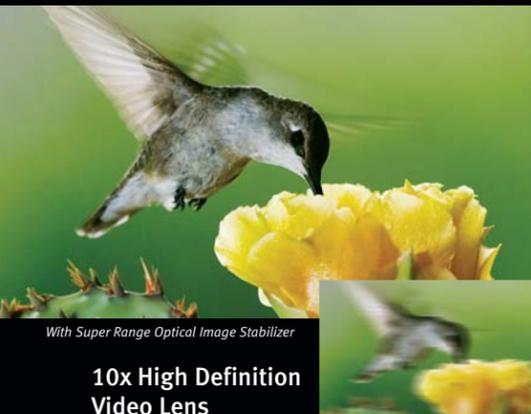
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# Set Your Expectations Higher

Savvy videographers *can* have it all. The HV20 offers the ultimate in high definition, then backs it up with Canon's optical and technological superiority for a total HD experience. The Canon 10x HD Video Zoom Lens combined with true HD 1920 x 1080 CMOS sensor ensure meticulously detailed video and photos with vibrant, accurate color. Super lightweight, compact and sophisticated, the HV20 announces to the world your uncompromising demand for the best in both performance and design.



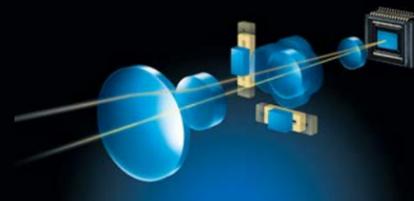
With Super Range Optical Image Stabilizer

## 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 HV20 features a **Genuine Canon 10x HD Video Zoom Lens** 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.

## Super-Range Optical Image Stabilizer

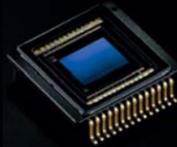
Canon's sophisticated **Super-Range Optical Image Stabilizer** corrects camera shake instantly to ensure steady shooting, even for hand-



held video at long focal lengths and shots taken with the camera in motion as well as photos. And because it is an optical system, there is none of the degradation of image quality typical with electronic image stabilizers.

## Canon True HD CMOS Sensor (1920 x 1080)

Canon's expertise in designing and manufacturing CMOS image sensors for its line of EOS Digital SLR cameras is now available in the Canon HV20 HD camcorder. The **2.96 Megapixel Canon CMOS sensor** captures true HD information at 1920 x 1080, 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.



1920 x 1080 CMOS

## Canon's DIGIC DV II Image Processor

Canon's next generation **DIGIC DV II Image Processor** was designed specifically for HD, with digital signal processing that ensures optimal photos as well. Color reproduction is extremely accurate across the tonal range, noise is minimized for clear, clean images, and power consumption is reduced for longer battery life.



DIGIC DV II

## Instant AF

**Instant AF** is Canon's next-generation autofocus technology. An external sensor works in combination with



Canon's proven high-performance internal AF system to dramatically reduce focusing time and increase accuracy. It is especially effective when shooting at night, in high-brightness conditions or when following a moving subject. The high resolution of HD video makes focus more critical than ever, and Canon's Instant AF helps videographers capture HD images with expert precision.

## Experience True HD 1080 HD Video

No matter what you're shooting, bring it vividly to life with today's premier technology. The stunning clarity of true **1080 HD resolution** is evident in every frame shot by the HV20. You'll record and play back images using widely available miniDV cassette tapes.

## 24p Cinema Mode

**24p Cinema Mode** enables all aspiring moviemakers to achieve a professional "film-look." You can change the camcorder's frame rate to 24p, which provides the same frame rate as movie film. In addition, you can use the HV20's CINE setting, which changes the color and tonal characteristics, evoking the look and feel of a movie shown in a theater. For added flexibility, these settings can be used together, or independently.



## Convenient HDMI Terminal

The HV20 allows easy connection to today's latest HD televisions through its **HDMI Terminal**. Only one cable is needed to output a pure digital signal (video and audio) for the ultimate viewing experience.



## 3.1 Megapixel Photos

Inside the HV20 camcorder lives a full-featured Canon digital camera, allowing you to capture stunning **3.1 megapixel photos** (2048 x 1536) onto a tiny miniSD card. Just like an advanced Canon camera, the HV20 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.



Actual Size

## Professional Results Made Easy

The **2.7-inch Widescreen LCD** shows you exactly what you're recording. Professional results are easy for anyone; **Level Shot** gives you a horizontal marker for leveling, and **Grid Markers** for balancing the shots. A selectable **Zebra Pattern** (70%, 100%) identifies high-brightness portions of the image. And since high definition requires precise focus, the HV20 features **two focusing aids** for sharp, manual focusing. **Peaking** enhances the edge or outline of your subject, and **Zooming** enlarges your subject for better visibility.

