



HG10

DVD Camcorder

Item Code: 2183B001
Available in October 2007



Fill Your Life with Full HD

The name Canon has always meant photographic and broadcast television cameras with optical excellence, advanced image processing, superb performance, and the latest in technological advancements. Canon's new High Definition video camcorders are no exception. Add to that, our **Canon Exclusives**. Canon has long been a leader in bringing advanced features to its products, taking advantage of our superiority in optics and image processing. Thanks to a continuing effort to make better video easier to create, we've included a variety of these advanced and exclusive features only available in a Canon camcorder to help you do just that.

The Canon HG10 AVCHD Format Hard Disk Drive Camcorder delivers high definition technology with the effortless ease of recording video directly onto a hard disk. Incorporating the latest AVCHD (Advanced Video Codec High Definition) format, it puts superb image reproduction and advanced features at your fingertips in a compact AVCHD Format HDD camcorder, which means you'll carry it everywhere you want to capture the special moments in your life in true HD.

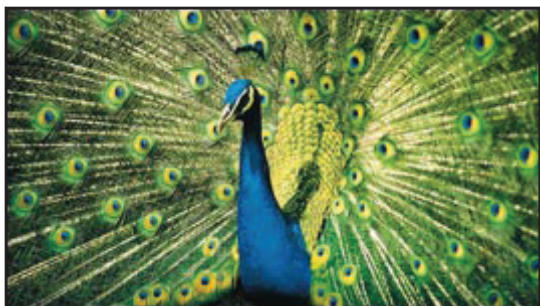
Among the **Canon Exclusive** features on the HG10 are Canon's own Full HD CMOS sensor and advanced DIGIC DV II image processor. More exclusives are SuperRange Optical Image Stabilization, Instant Auto Focus and our new 2.7" Widescreen Multi-Angle Vivid LCD. With the Genuine Canon 10x HD video zoom lens and a host of other advanced features the HG10 is the right choice in HDD camcorders.

- AVCHD Format HDD in a Compact Size¹
- Full HD onto a 40GB Hard Disk Drive
- Canon Exclusive: 1920x1080 Full HD CMOS Sensor
- Canon 10x HD Video Zoom Lens
- Canon Exclusive: DIGIC DV II
- Canon Exclusive: SuperRange Optical Image Stabilization
- Canon Exclusive: Instant AF
- 24p Cinema Mode
- HDD Still Photo Grab from Video
- Canon Exclusive: 2.7" Multi-Angle Vivid Widescreen LCD
- Superb Shooting Control
- Advanced Photo Features
- Corel Application Disc
- Additional Features



Features

AVCHD DVD in a Compact Size



AVCHD™

The HG10 is Canon's first AVCHD (Advanced Video Codec High Definition) Format Hard Disk Drive camcorder. AVCHD uses an MPEG-4 AVC/H.264 video codec, recording true 1080 High Definition resolution video. It allows you to capture more video onto a hard disk using less storage, for extended recording time. You can play the video directly from the camcorder on your HDTV, or easily download it onto your Windows XP™ or Vista™ system computer for playback, editing or sharing with friends and family. You can also burn video onto DVDs which play in AVCHD compatible Blu-ray disc players.² Higher audio quality is also yours with the AVCHD format. All of this comes in a compact AVCHD format HDD camcorder, measuring only 3.2" wide, 3" high and 5.1" deep.

Added to the HG10's handy size is the convenience of shooting high definition onto a hard disk. You'll never tape over a precious moment by accident, since the disk automatically searches for a blank space on which to record.



Full HD onto a 40GB Hard Disk Drive



The HG10 captures 1920 x 1080 High Definition resolution video onto a 40GB hard disk drive. A convenient format for anyone who wants to transfer video to a computer for viewing, editing or sharing, it also makes your life easier as you never have to worry about not carrying around enough recording media with you as you shoot your future memories. In LP mode, you'll be able to record up to 15 hours of video. Even when shooting in super high quality mode, five-and-a-half hours of footage is yours without taking a break to change tapes or DVDs.

HDD recording also delivers true random-access play, letting you get to the scene you select instantly.

With the HG10's built-in HDMI (High-Definition Multimedia Interface) Terminal, it's easy to transfer the HD video signal to your HDTV. With a single cable, you'll send a pure digital signal, audio and video, to your television to get the ultimate HD viewing experience



With hard disk drive recording you get true random-access play, letting you access the scene you want to see instantly. You'll also have no fear of accidentally recording over footage you've already shot. Like a computer, the HG10 automatically searches for blank space on the drive onto which to record. It's simple to delete unwanted footage and you can record as the action unfolds without worry.

Canon Exclusive: 1920x1080 Full HD CMOS Sensor



The HG10 captures 1920x1080 High Definition video through its Canon designed and manufactured CMOS image sensor, similar to the CMOS image sensors in Canon's EOS Series Digital SLR cameras.

Compared to a CCD, the HG10's CMOS's high color resolution and advanced color reproduction gives brilliant results. It is also unique in featuring Canon's proprietary noise reduction technologies for crisp, sharp images. Low noise technology also means that even in dimly lit scenes, the signal from each pixel is as pure as possible, with minimal noise or other aberrations. It's the ideal sensor for HD.

The HG10 uses an RGB Primary Color Filter with Bayer Placement Pattern that separates light into red, green and blue color components. This results in vibrant images with deep, rich, accurate color and natural-looking tones similar to what you'd obtain from 3CCD camcorders. In addition, the Bayer Placement Pattern delivers sharp high definition images with true-to-life color reproduction.



As an added benefit, the CMOS sensor provides outstanding image capture in low light conditions.



Canon 10x HD Video Zoom Lens



10x/200x

OPTICAL ZOOM / DIGITAL ZOOM



HD Video Lens

Since 1934, Canon has been producing exceptional photographic lenses that are synonymous with unsurpassed optical performance. Because of Genuine Canon Optics, every Canon broadcast lens, 35mm film camera, digital camera and camcorder assures brilliant optical quality — and the HG10 is no exception.

The HG10 comes with an outstanding High Definition video lens — a 10x HD Genuine Canon zoom lens. It's the tool you need to record long shots of your child on the soccer field, wide shots of beautiful landscapes, and everything in-between. And because it comes with three pre-set zoom speeds, you always get smooth, steady, professional-looking zoom shots.



Super Spectra Coating technology results in images with minimal flare and ghosting. Plus, the new lens' aspheric design reduces aberration and increases resolution, ensuring crisp, sharp video and enhancing the HD image quality. Not only that, but a new gradation neutral density (ND) system gives you better exposures in bright shooting situations.

In addition, for those times when you need to get a particular shot from a very long distance, this flexible lens also has a 200x digital zoom.

Canon Exclusive: DIGIC DV II



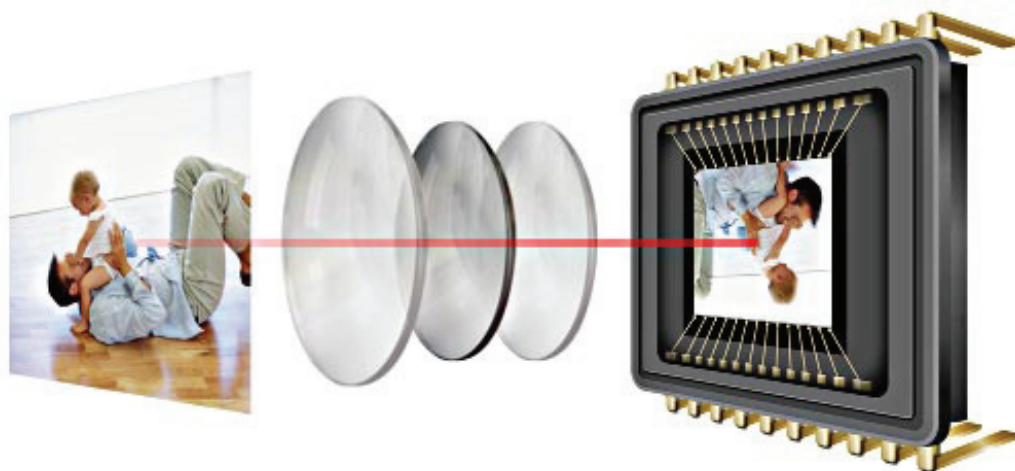
DIGIC DV II is the next generation of Canon's exclusive DIGIC DV signal processing technology. Designed specifically for HD, DIGIC DV II ensures optimal image quality. It also ensures optimal image quality for still images, even though video and still images have different color requirements. DIGIC DV II is just another one of Canon's advanced technologies that make the HG10 an exceptional performer.

Thanks to DIGIC DV II image processing, the HG10 produces video with improved color reproduction — especially in skin tones, and dark and light scenes. It also uses a hybrid noise reduction system that employs two types of noise reduction — for high definition images that are crystal clear.



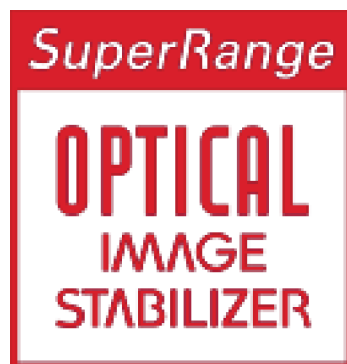
Plus, DIGIC DV II features improved continuous shooting of digital photographs with the HG10. You can shoot five (3.1 Megapixel) still images per second, and enjoy faster processing of your images to your memory card (1.4x normal card; 2.5x Hi Speed card). It also helps lower power consumption for longer battery life.

Canon Exclusive: SuperRange Optical Image Stabilization



The high-resolution images of High Definition video demand a steady hand. It's easier to get those clear, steady images with the HG10, thanks to Canon's innovative SuperRange Optical Image Stabilization. It combines gyro- and image-sensors to give image stabilization through a wider range of camera motions. Some image stabilization systems correct one type of camera motion or vibration better than another. But Canon's SuperRange OIS corrects for a wide range of camcorder motion: the fast vibration you'd experience while recording from a moving car; the medium-speed motion of hand-held recording; and the slower motion of body sway. No matter what you're recording and how you're recording it, the HG10's stabilization design corrects camcorder shake instantly. SuperRange OIS also delivers steady images when shooting at long focal lengths.

In addition, optical stabilization keeps your shot steady without a loss in image quality — something that can't be said for electronic image stabilization. And image stabilization isn't just for video; you can even use it for taking sharper, clearer digital photographs with your HG10. Thanks to Canon's expertise, it's easy to eliminate one of the telltale signs of amateur video and photography.

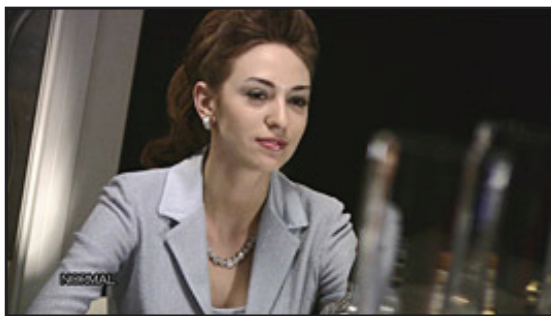


Canon Exclusive: Instant AF

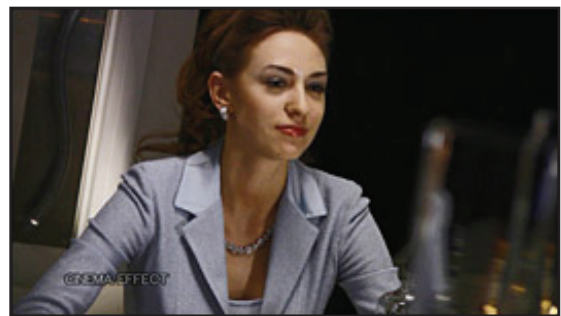


Another critical objective when shooting in High Definition is achieving a very sharp focus. The HG10 camcorder features Canon's revolutionary Instant AF focusing system which offers a dramatic improvement in auto focus speed and accuracy (compared to traditional auto focus systems). The Instant AF feature uses an external sensor, in combination with Canon's auto focus system, to help significantly decrease the time it takes to find focus, even in low light conditions. This system achieves focus instantaneously, reducing focus "hunting." The benefits of Instant AF are especially seen in high brightness and night shooting situations. With Instant AF, it's possible to capture fast, accurate focusing, even when following a moving subject.

24p Cinema Mode



Normal Recording



24p Cinema Mode

24p Cinema Mode enables all aspiring moviemakers to achieve a professional "film-look." You can change the camcorder's frame capture rate to 24p (recorded at 60i), which provides the appearance of the same frame rate as movie film. In addition, you can use the HG10'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.



HDD Still Photo Grab from Video



Another useful and advanced feature you will find on the HG10 is the capability to capture still frame images onto a miniSD™ card from recorded video on the hard disk drive. None of Canon's competitors in this class allows you to review your already shot footage to select just the right still to save and share.* It's just one more way the HG10 gives you more flexibility to meet your creative desires.

*As of August 1, 2007

Canon Exclusive: 2.7" Multi-Angle Vivid Widescreen LCD



The 2.7" Multi-Angle Vivid Widescreen LCD on the HG10 lets you see more of what your camcorder is recording. Using a hard coat Anti Reflective surface and improved color reproduction, the scene in the viewfinder is more accurate to what you're capturing in the camcorder. An added benefit is the wider range of viewing angles possible with this new LCD screen. With less glare and deeper contrasts, groups of people can gather around it and see the image displayed more clearly than ever before.

Superb Shooting Control

Navigation Control Dial

The HG10's direct-operation Navigation Control Dial makes it easy and convenient to operate. Located on the LCD control panel, it allows you to select the navigation buttons you want with a turn of the dial. Simply press the "Set" button on the LCD monitor and your choice is confirmed. You can also select footage for playback by using this button.



Variable Zoom Speed Control

Another sure sign of amateur video is the unsteady zoom shot. But with the HG10's zoom control, you simply select one of three pre-set zoom speeds for smooth, steady, professional looking zooms.



Focus Assist Function

The image quality of High Definition demands a properly focused subject. The Focus Assist feature on the HG10 gives you sharp focus by zooming into your image to let you focus on a close up of your subject. It's the way professional videographers and photographers work manually. A Peaking function also helps, by emphasizing image contours.

Level and Grid Markers

With the Level Marker feature, it's easy to keep your camera level for more professional looking video. Line up any horizontal lines in your shot -- such as the horizon -- to the marker and you can be sure your camcorder is level.

The HG10's Grid Marker feature lets you compose your shot accurately, according to the grid in your viewfinder. You can even choose from two different colors for the grid. This ensures that you see the grid, no matter what the background color of your shot is.



Program AE Mode

For the best exposure for various situations, the HG10's Program AE mode will automatically adjust the settings to compensate for the conditions and subject. Choose from Portrait, Sports, Night, Snow, Beach, Sunset, Spotlight and Fireworks. You won't have to guess if you're capturing all the action just the way you want it because the HG10 will do it for you.



Quick Start

Never miss a quickly unfolding shot again. Push the Quick Start button between shots -it places the HG10 in standby mode. When the action starts, push the Quick Start button again to begin recording in less than one second. You'll also help extend your battery life compared with leaving the camcorder in regular recording mode.



Low Light Performance

By increasing the sensitivity of the HG10s HD CMOS sensor and using improved fixed-pattern "noise" reduction technology, you can now shoot clearer, sharper video at very low light levels. When taken with a 1/30 sec. slow shutter, subjects can be shot at light levels as low as just 3 lux. You won't be afraid to shoot indoors or in poorly lit outdoor locations again.



Built-in Electronic Lens Cover



Never worry about a lost lens cover or one that gets in your way when shooting. The built-in electronic lens cover on the HG10 automatically opens when you turn the camcorder on and closes when you turn it off.

Advanced Accessory Shoe Terminal

Shoot video like the professionals do, with the accessories that give you the best in audio and lighting. The HG10's advanced accessory shoe provides the power for an accessory video light, video flash or directional stereo microphone- the things you need to bring your video to the next level.



Microphone / Headphone Terminal

Enhance the quality of your audio by using an accessory microphone to capture better sound and headphones to monitor the audio as you hear it. Your videos will sound as good as they look.

Built-in Ultra Video Light

Some of the most magical shots are taken at the end of the day or long after the sun has set. You won't miss any of them, thanks to the HG10's bright built-in Ultra Video Light. The light lets you shoot subjects in color in low light up to 4.9 feet away. So, whether it's a shot of a sleeping baby or a dramatic skyline at night, the HG10 captures all the moments you want to record.



Long Recording Time

You can truly take advantage of the long recording times offered by HDD video thanks to the performance of the HG10. It allows you to record up to 5 hours and 30 minutes of video in XP+ mode, 11 hours 30 minutes in SP mode or up to 15 hours in LP mode. All this without the worry of running out of recording media. Your Actual Recording Time (continuous on battery charge) can be up to 70 minutes with the LCD used in the Normal brightness mode. Getting the shots you want, when you want them, will be easier than ever.



Advanced Photo Features

The HG10 has many advanced photo features which make it a camera that rivals other state-of-the-art digital cameras. You get the best of both video and photos.

HDD Still Photo Grab from Video

Another Canon exclusive feature on the HG10 is the capability to capture still frame images from video recorded onto the hard disk drive. None of Canon's competitors allow you to review your already shot footage to select just the right still to save and share.* It's just one more way the HG10 gives you more flexibility to meet your creative desires.

*As of August 1, 2007

3.1 Megapixel Photos



**3.1 MEGA
PIXELS**
STILL IMAGE RECORDING

The same Canon CMOS image sensor that ensures sharp, vivid HD video also gives you brilliant digital photographs. Like the CMOS image sensors in Canon's EOS Series digital SLR cameras, the HG10's image sensor results in outstanding digital photographs. It gives an impressive resolution of 1920 x 1440 for sharp, crisp still images.

DIGIC DV II



DIGIC DV II features improved continuous shooting of digital photographs with the HG10. You can shoot five (3.1 Megapixel) still images per second, and enjoy faster processing of your images to your memory card (1.4x normal card; 2.5x Hi Speed card).

Focus Features

Auto Intelligent Auto Focus (AiAF) ensures sharp images and gives creative flexibility. Even when your subject isn't in the center of the frame, the HG10's 9-Point AiAF will automatically select from nine metering frames on the screen to help bring images into sharp focus.



Since it is critical to achieve very sharp focus when shooting in High Definition, the HG10 camcorder features Canon's revolutionary and exclusive Instant AF focusing system. It offers a dramatic improvement in auto focus speed and accuracy (compared to traditional auto focus systems). The Instant AF feature uses an external sensor, in combination with Canon's auto focus system, to help significantly decrease the time it takes to find focus, even in low light conditions. This new system achieves focus instantaneously, reducing focus "hunting." The benefits of Instant AF are especially seen in high brightness, and night shooting situations. It's even possible to capture fast, accurate focusing, even when following a moving subject.

And because a properly focused subject is more critical than ever with HD, the HG10 also features Focus Assist. This helps in capturing your subject in razor sharp focus. (When you start recording, this assistance is automatically cancelled.)

Auto Exposure Modes

Like any good digital still camera, the HG10 lets you choose from a range of exposure modes. Auto mode automatically sets the exposure, letting you concentrate on your subject. AV (aperture priority) mode lets you control depth of field by letting you choose the aperture. TV (shutter priority) mode lets you select the shutter speed for sharp, action shots. In P (program) mode, the camcorder adjusts camera settings automatically.

Program AE Mode



Your life happens everywhere, so the HG10 gives you settings that automatically result in the best exposure settings for different conditions and different subjects.

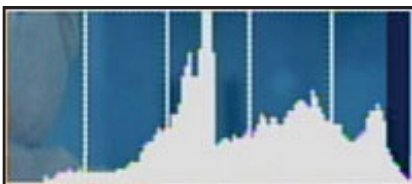
Portrait mode ensures shallow depth of field for a pleasing background to your shots of friends and family. Sports mode stops the action with faster shutter speeds. Night mode is designed to give you great shots after the sun goes down. Snow and Beach modes compensate for bright surroundings and give you the proper exposure on your subject. Sunset mode results in vibrant, well-exposed colors for one of the toughest subjects to capture. Use Spotlight mode when your child is on stage and in the spotlight — literally — and you want to make sure the exposure is right for them. And Fireworks mode records brilliant images of another tough subject: the holiday fireworks display.

Simultaneous Photo Recording

With the HG10, you can record HD video and capture a 2 Megapixel photo to a memory card — simultaneously. Simply press the photo button and you've got an email-ready digital photo to share with friends and family.



Histogram Display



For the advanced digital photographer, the HG10 comes with a Histogram Display — a feature found in Canon's line of digital SLR cameras. The display allows you to see the brightness information of your still images, so you can adjust your exposures as you shoot.

Level and Grid Markers

With the Level Marker feature, it's easy to keep your camera level for more professional-looking photographs. Line up any horizontal lines in your shot — such as the horizon — to the marker and you can be sure your camcorder is level.

The HG10's Grid Marker feature lets you compose your shot accurately, according to the grid in your viewfinder. You can even choose from two different colors for the grid. This ensures that you see the grid, no matter what the background color of your shot is.



Photo Grab from Hard Drive

The versatile HG10 even lets you capture a still image from an already recorded movie. While playing the movie in your camcorder, simply press the photo button to capture a 2.07 Megapixel 16:9 still frame on a miniSD™ card. It's another way the HG10 lets you enjoy and share your precious memories.

Built-in Flash



BUILT-IN 
FLASH

Your HG10's built-in flash lets you capture superb photos indoors and in low light conditions. The HG10 also features red-eye reduction.

Share Your Photos

Your HG10 comes with features that make it simple to share your still photos.

Print/Share



Print/Share turns your HG10 into a photo lab in the palm of your hand. Simply connect your camcorder directly to select Canon printers or any PictBridge-compatible printer with the supplied USB cable. Then, with a simple touch of the Print/Share button, print directly from your HG10 without going through a computer.

Print/Share also makes it easy to transfer your still images to your computer. Simply connect your HG10 with your computer, press the Print/Share button and your photos are downloaded to your computer.

miniSD™ Memory Card Compatible

The HG10 makes it easy to store digital photos on an optional miniSD Memory Card. Popularly used in today's newest cell phones and half the size of a standard SD card, the miniSD Card offers the benefit of high-capacity storage in a very small size.

Corel Application Disc

The Canon HG10 High Definition Camcorder is bundled with a powerful software suite from Corel™. WinDVD SE lets you play back your recorded video on your computer. You can also easily perform AVCHD Editing in which you can trim, reorder, and combine scenes, as well as add music, titles, and transitions. With the Corel Application Disc, you can use DVD Moviewriter SE when finished to burn your edited video onto either a full size AVCHD DVD or Standard Definition DVD.

*The bundled application is compatible with Windows XP and Windows Vista

Additional Features

- **USB 2.0 Hi-Speed Terminal** for digital video streaming and ultra-fast transfer of movies and photos.
- **Backup Utility Disc** allows you to safely back up your recorded video onto your computer's hard disk, so your video files are preserved.
- **Wireless Remote Control** lets you operate your HG10 from a distance, so you don't have to be left out of the picture.
- **1 Year Parts And Labor Limited Warranty** provides protection long after other manufacturers' warranties expire.

Specifications

Digital Video

Power Consumption	Approx. 3.6W-4.9W
Image Sensor	1/2.7" CMOS Sensor, RGB Primary Color Filter
Total Pixels	Approx. 2.96 Megapixels
Effective Pixels	Movies (HDD): Approx 2.07 Megapixels (1920 x 1080); Still Images (Card): 4:3 mode: Approx 2.76 Megapixels (1920 x 1440); 16:9 mode: 2.07 Megapixels (1920 x 1080) Still Recording Pixels: Approximately 3.1 Megapixels (2048 x 1536)
Maximum Recording Time	XP+: 5 hours 30 minutes XP: 9 hours 30 minutes SP: 11 hours 30 minutes LP: 15 hours
Lens	Zoom Ratio 10x Optical/200x Digital Focal Length 6.1-61mm Zoom Speed Variable/3 Fixed Zoom Speeds Max. F/Stop f/1.8-3.0mm (HDD) Filter Size 43 mm
Focusing System	Instant AF, through the lens Manual focusing possible Manual Focus Assist Functions Magnifying, Peaking
Manual Exposure	Yes
Programmed AE	Auto, Program, Av, Tv, Portrait, Sports, Night, Snow, Beach, Sunset, Spotlight, Fireworks
Supported Playback Modes	1080/60i, 1080/24F
Max Shutter Speed	1/2000 1/500 (card)
Auto Date/Time	Yes
Record Search/Review	Yes
Minimum Focusing Distance	10 mm (wide)/ 1m (tele)
White Balance	Daylight, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H
Image Stabilization	SuperRange Optical (lens shift)
Viewfinder	Widescreen 0.27" Color Viewfinder/ (Approx. 123,000 pixels)
LCD Screen	2.7" Multi-Angle Vivid Widescreen LCD (Approx. 211,000 pixels)
Recording Media	Hard Disk Drive 40 GB (Internal)

Audio

Movie SD recording None; HD: Dolby Digital 2ch (AC-3 2ch)

Audio Compression Method: Dolby Digital 2 channels (AC-3.2 channels), 48kHz

Movie Recording: ACVHD (MPEG-4 AVCH/H.264: 5/7/9/15 Mbps)

Dimensions

(WxHxD) 3.2 x 3.0 x 5.1in.

Weight (not including lens and battery pack)

1.1 lbs

Supplies & Accessories

**BP-2L14 Battery Pack**

Lithium-Ion batteries, unlike Nickel-Cadmium batteries, have no “memory effect” which can reduce the usable power of the battery over time.

**Battery Pack NB-2LH****CB-2LW Battery Charger for Canon NB-2LH Batteries****SC-2000 Soft Carrying Case**

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

**Video Flash Light VFL-1**

To be used with advanced accessory shoe combination video light & flash unit.

**VL-3 Video Light**

The VL-3 Video Light connects to the Advanced Accessory Shoe and is powered directly by the camcorder.



BP-2L24H
2400mAh Lithium Ion Battery pack



HTC-100
Mini-HDMI Cable: connects Canon HD Camcorder to HDMI Coompatible TV



Tele-Converter TL-H43
High-Def Compatible 1.7x Tele-Conversion Lens



Wide-Converter WD-H43
High-Def Compatible 0.7x Wide-Conversion Lens



Filter Set FS-43U II
Neutral Density Filter and MC Filter for 43mm



DM-50 Directional Stereo Microphone
Get near-professional quality sound for your movies with this shotgun stereo mic. Select from pure shotgun or shotgun + surrounding sound modes. Since the mic is powered by the camcorder's power source, you remain cable free. Wind shields are included.

**Can't find the part or accessory you're looking for? Customer Support can help.
Call 1-800-828-4040 for assistance.**

What's in the Box

HG10 Kit Contents:

1. HG10 Camcorder
2. BP-2L13 Battery Pack
3. CA-570 Compact Power Adapter
4. STV-250N Stereo/Video Cable
5. WL-D86 Wireless Controller
6. IFC-400PCU USB Cable
7. CTC-100/S Component Cable
8. Corel Application Disc
9. Digital Video Solution Disc
10. Backup Utility Disc



1. "AVCHD" and the "AVCHD" logo are trademarks of Matsushita Electric Industrial Co., Ltd. and Sony Corporation.
2. 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.