

**PRELIM
NEW**

▲ Step-up

Super SteadyShot® - Optical technology and Super NightShot® feature help the HDR-HC7 capture the highest quality high definition video possible on a MiniDV cassette. The assignable dial gives control over Focus, Exposure, Shutter Speed, AE (Auto Exposure) Shift and WB (White Balance) Shift. The HDR-HC7's still image capture mode takes photos up to 6.1 Megapixel and 4.6 while recording video.

- ▲ 3.2 Megapixel (Gross) ClearVid™ CMOS Sensor
1/2.9" ClearVid CMOS Sensor provides stunning detail and clarity with exceptional video (1080 lines of resolution - HD Mode or 530 lines of horizontal resolution - SD Mode) and still image performance (6.1 Megapixel). Unlike traditional CCD Imagers, CMOS Sensors require less power, providing better battery performance.
- Switchable HD/DV Format Recording
The HDR-HC7 is capable of recording and playing back both High Definition (HD) and Standard Definition (SD) video recorded on a standard MiniDV cassette.
- Real-Time HD Codec Engine
Sony developed a Real Time MPEG Encode/Decode system with reduced energy consumption and compact size to fit inside a personal camcorder. This engine provides efficient MPEG2 compression, and recording and playback of clear HD images at the same bit rate of the DV format, so that High Definition video can be recorded on the same MiniDV cassettes as are used for SD recording.
- x.v. Color
x.v. Color can capture or display nearly twice as many (1.8x) viewable colors than currently possible. This provides a more accurate and vivid color range, for a more natural, lifelike overall experience.
- 10X Optical / 20X Digital Zoom
The optical zoom helps to bring the action close up from far away. In addition, the Digital Zoom Interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zoom.
- Professional Quality Carl Zeiss® Vario-Sonnar® T* Lens
Carl Zeiss lenses have an advanced optical multi-layer coating that offers less glare and flare with increased contrast. This results in vivid image brilliance, true-to-life color saturation and perfect renditions of subtle tones. The additional T* coating on the lens further reduces unwanted glare and flare.
- 2.7" Wide (16:9) Touch Panel Clear Photo™ LCD Plus Display (211K Pixels)⁴
The 2.7" Wide (16:9) LCD screen provides excellent viewing clarity with improved resolution. The 211K pixel LCD screen rotates up to 270 degrees for multiple viewing angles providing sharp, detailed images for monitoring or playback, and the widescreen format makes shooting in 16:9 mode and composing shots even easier.
- Smooth Slow Record
By increasing the record rate from 60 fields per second (fps) to 240 fps for 3 seconds allowing you to capture 3 seconds of fast motion and play the video back in 12 seconds. This is great for analyzing a golf swing or a viewing a bird in flight. In addition, record an audio track to narrate what is being seen in the video.
- Memory Stick Duo™ Media Slot³
Capture still images up to 2848x2136 resolution, directly onto Memory Stick Duo™ Media for easy transfer to PCs for emailing, printing or sharing with other compatible Memory Stick® media compatible devices.
- ▲ Dual Record
While recording video in High Definition you have the ability to capture a 4.6 Megapixel still image directly to Memory Stick Duo™ media.
- ▲ Super SteadyShot® (Optical) Image Stabilization System
An advanced form of Sony's SteadyShot Image Stabilization system that controls an even higher range of shake and vibration frequencies. This optical stabilization system achieves an even higher level of smoothness without degradation of vide like som digital stabilization systems.
- Cinematic Mode
Perfect for creating your own movie masterpieces, the HDR-HC7 Cinematic mode lends 24 frame film-like effect to your recordings.
- i.LINK® Interface (IEEE1394)²
A high speed bi-directional digital video/audio communication between two compatible devices equipped with an IEEE1394 interface, including camcorders, digital VCRs, and PCs.
- Tele Macro Function
Useful for shooting close up shots, but without having the camcorder casting a shadow on the subject. Images shot in the Tele Macro Mode will have the subject properly focused with the background unfocused so that the subject stands out.

ADDITIONAL FEATURES

- Active Interface Shoe
- Built-in Intelligent Flash
- Super NightShot® Infrared System
- Scene Selection Modes
- Picture Effects
- Fader Effects
- InfoLithium® Battery with AccuPower™ Meter System
- Stamina® Battery Power Management System
- On Screen Zoom and Record Buttons
- Easy Handycam
- One Touch Wide Angle Shooting
- Manual Focus
- Multi-Language Menu



WIDE LCD



Specifications

General

Imaging Device: 1/2.9" 3200K Gross Pixels ClearVid™ CMOS Sensor
 Pixel Gross: 3200K
 Recording Media: MiniDV Cassette, Memory Stick Duo™ Media, Memory Stick PRO Duo™ Media
 Recording and Playback Times: High Definition: 60 minutes; Standard Definition: SP=60 min., LP=90 min.
 Video Actual: 2280K Pixels (16:9), 1710K Pixels (4:3)
 Still Actual: 2280K Pixels (16:9), 3040K Pixels (4:3)

Convenience

USB Streaming: N/A
 SteadyShot® Image Stabilization: Yes (Super; Optical)
 Accessory Shoe: Yes, Active Interface Shoe
 White Balance: Auto/Outdoor/Indoor/One Push
 Memory Stick PRO™ Media Compatibility: Tested to support up to 4GB media capacity; does not support high speed transfer function; does not support Access Control security function.
 Still Image Mode(s): JPEG
 Minimum Illumination: 2 Lux (0 Lux with Super NightShot® Infrared System)
 Low Light Capability: Super NightShot® system

Convenience Features

Easy Operation: Yes
 Fader Effects: Black, Monotone, Mosaic, White
 Multiple Language Display: Yes
 Slide Show Mode: Yes
 Titling: N/A
 Light/Flash: N/A/Yes
 Scene Mode(s): Beach, Candle, Fireworks, Landscape, Portrait, Sports Lesson, Spotlight, and Sunrise & Sunset
 Picture Effect(s): Monotone, Mosaic, Negative Art, Pastel, Sepia, Skin Tone and Solarization
 Digital Picture Effect(s): Cinematic Effect, Flash Motion, Old Movie, Still, Trail
 PictBridge Compatible: Yes

Inputs and Outputs

LANC Terminal: Yes (Stereo Mini)
 Analog Audio/Video Input(s): N/A
 Analog Audio/Video Output(s): Yes (Multi A/V)
 Digital Audio/Video Input(s): Yes (via i.LINK®)²
 Digital Audio/Video Output(s): Yes (via i.LINK®)²
 USB Port(s): Yes (1.1 compliant)
 i.LINK® Interface: Yes²
 Component Video (Y/Pb/Pr) Output(s): Yes
 Headphone Jack: Yes
 Microphone Input: Yes
 S-Video Input(s): N/A
 S-Video Output(s): Yes (via optional accessory)
 HDMI™ Connection Output(s): Yes

Hardware

LCD: 2.7" (211K Pixels) Wide (16:9) Touch Panel Clear Photo™ LCD Plus Display⁴
 Lens Type: Carl Zeiss® Vario-Sonnar® T*
 Viewfinder: Color, 123K Pixels
 Docking Station: N/A
 Microphone: Yes (Built-in; Stereo)

Optics/Lens

35mm Equivalent: 40-400mm(16:9 Camera Mode), 49-490mm (4:3 Camera Mode), 40-400mm (16:9 Memory Mode), 37-370mm (4:3 Memory Mode)
 Aperture: f1.8-2.9
 Exposure: Touch Panel (24 steps)
 Filter Diameter: 37mm
 Focal Distance: 5.4-54mm; 450mm; Telemacro
 Focus: Full Range Auto/Manual (Dial, Touch Panel)
 Progressive Shutter Mode: N/A
 Shutter Speed: Auto, 1/2-1/500 (Scene Selection Mode)
 Optical Zoom: 10X
 Digital Zoom: 20X
 Resolution: 3MP

Power

Power Consumption: HDV-4.2W/4.5W; DV-4.0W/4.3W (VF/LCD)
 Battery Type: InfoLithium® with AccuPower™ Meter System (NP-FH60)

Service and Warranty Information

Limited Warranty: 1 Year Parts; 90 Days Labor

Software

Supplied Software: Picture Motion Browser ver. 2.0

Video

Analog-to-Digital Converter: N/A
 Format(s) Supported: HDV 1080i and MiniDV

Dimensions

Weight: 1 lb. 6 oz. (650g) with tape and supplied battery
 Measurements: 3 1/4" x 3 1/4" x 5 1/2" (82 x 82 x 138mm)

Supplied Accessories

Power Adaptor/ In Camera Charger (AC-L200)
 InfoLithium® Rechargeable Battery (NP-FH60)
 Wireless Remote Commander® Remote Control (RMT-831)
 A/V Cable
 Component Video Cable
 USB Cable
 i.LINK® Cable (VMC-IL4415)²
 Enjoy Handycam Video

Optional Accessories

Professional MiniDV Cassette for High Definition Recording (DVM-63HD)
 UPC Code: 027242701458

1. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions. Designed for use with compatible Sony InfoLithium® batteries.
2. i.LINK is a trademark of Sony, used only to designate that a product contains an IEEE1394 connector. All products with an IEEE1394 connector may not communicate with each other.
3. Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MB's is: 8=7.5, 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940MB, 2GB=1.85GB, 4GB=3.66GB.
4. Viewable area measure diagonally

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 Features and specifications subject to change without notice. Non-metric weights and measures are approximate and may vary.
 Screen Images Simulated

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