



# HDR-HC9

## Legacy Handycam® Camcorder

The HDR-HC9 delivers high definition quality and versatility with a professional grade Carl Zeiss® Vario-Sonnar® T\* Lens, and a 3.2 megapixel ClearVid™ CMOS sensor for stunning video and 6.1 megapixel still images. Optical Steadyshot™ image stabilization delivers crisp images, even when using the 10x optical / 20x digital zoom.



### 1/2.9" ClearVid™ CMOS Sensor 3.2 Megapixel

Provides stunning detail and clarity with exceptional video performance—up to 1080 lines of horizontal resolution in HD format, or 480 lines of horizontal resolution in SD format. The sensors also allow users to capture 6.1 Megapixel digital still images.

### 2.7" Clear Photo LCD Plus™ touch panel display (211K Pixels)<sup>3</sup>

The 2.7" LCD<sup>3</sup> screen provides exceptional viewing clarity with improved resolution (211k pixels). The display rotates up to 270 degrees for optimal viewing, plus provides sharp, detailed images for monitoring or playback. The widescreen format makes shooting in 16:9 mode and composing shots even easier.

### Professional-quality Carl Zeiss® Vario-Sonnar® T\* Lens

Carl Zeiss® Vario-Sonnar® T\* lenses use highly advanced optics to deliver vivid image brilliance, true-to-life color saturation and perfect renditions of subtle tones. The additional T\* coating further reduces unwanted glare and flare for increased contrast and color.

### Active Interface Shoe

Sony's proprietary hot shoe makes it easy to use Intelligent Accessories, such as external lights and microphones, by providing power and on/off capability directly from the camcorder.

### Assignable Buttons

For ease of recording, three user-assignable buttons can be set to your most commonly used options.

### Additional Features

- Mic and Headphone Jack
- Battery Information
- Built-in Intelligent Flash
- Cinematic Mode
- Easy Handycam Button
- Memory Stick PRO Duo™ Media Slot
- Multi-Language Menu
- On Screen Zoom and Record Buttons
- Picture Effects
- PhotoTV HD Viewing with HDMI™ Output<sup>8</sup>
- Progressive Shutter System
- Scene Selection Modes
- HDMI™ Connection
- i.LINK® Interface (IEEE1394)<sup>4</sup>
- USB 2.0 Interface

# Specifications

IMAGER	
Imaging Device	1/2.9" ClearVid™ CMOS Sensor
Processor	N/A
Imager Pixel Gross Size	3200k
VIDEO	
Video Actual 16:9	2280k pixels
Video Actual 4:3	1710k pixels
Video Resolution	Full HD 1440x1080, SD:720x480
Video Signal System	HD: HDTV 1080/60i; SD: NTSC color, EIA standards
Video Format(s) Supported	HD: HDV; SD: MPEG-2
STILL PICTURE	
Still Actual 16:9	2280k pixels
Still Actual 4:3	3040k pixels
Still Picture Resolution	6.1MP
AUDIO	
Audio Recording Format	Stereo MPEG-1 Audio Layer2
Microphone	Yes
MEDIA TYPE	
MiniDV / HDV	MiniDV / HDV
Memory Stick PRO Duo™	Memory Stick Duo™ Media, Memory Stick PRO Duo™ Media
RECORDING CAPACITY	
Rec. / Playback MiniDV / HDV	SP: 60min/80min., LP (DV only): 90min/120min.
OPTICS AND LENS	
Lens Type	Carl Zeiss® Vario-Sonnar® T*
35mm Equivalent 16:9	40 - 400mm
35mm Equivalent 4:3	49 - 490mm
Aperture	F1.8 - 2.9
Exposure Control	Dial + Touch Panel
Filter Diameter (mm)	37mm
Focal Distance (mm)	5.4 - 54mm
Focus System	Full range auto / Manual
Progressive Shutter Mode	Yes (Photo only)
Shutter Speed	Auto, 1/2 - 1/500 (Scene Selection Mode)
Minimum Illumination	5 lux (Auto Slow Shutter ON, 1/30 Shutter Speed)
Optical Zoom	10x
Digital Zoom	20x
DISPLAY	
Display	2.7" Clear Photo LCD Plus™ touch panel display <sup>3</sup>
View Finder	Color Wide 16:9 (123k Pixels)
HARDWARE	
Flash	Yes
Memory Stick PRO Duo™ Media Slot	Yes
Manual / Auto Lens Cover	Auto
Assignable Dial	Yes
S/S & Zoom button on LCD	Yes
INPUTS & OUTPUTS	
Analog Audio/Video Output(s)	Multi AV (Video/S Video/Audio)
Digital Audio/Video Output(s)	Yes (via i.LINK™ <sup>4</sup> )
USB Port(s)	Yes (ver 1.1)
Component Video (Y/Pb/Pr) Output(s)	Yes
HDMI™ Connection Output(s)	Yes
Headphone Jack	Yes
Microphone Input	Yes
Active Interface Shoe	Yes

CONVENIENCE FEATURES	
White Balance	Auto / Outdoor / Indoor / Onepush (Touch Panel)
Image Stabilization	Optical SteadyShot™ image stabilization
NightShot®	S-NS
x.v.Color™	Yes
Fader Effects	Black, White, Mosaic, Monotone
Digital Effects	Still, Flash Motion, Trail, Old Movie, Cinematic Effect
Picture Effects	SkinTone, Mosaic, Solarization, Monotone, Sepia, Neg. Art, Pastel
Scene Selection Mode(s)	Auto, Twilight, Twilight Portrait, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
POWER	
Power Consumption	HDV: 4.2W / 4.5W, DV: 4.0W / 4.3W (VF/LCD)
Supplied Battery Type	InfoLITHIUM® with AccuPower™ Meter System (NP-FH60)
Power Requirements	7.2V (battery pack); 8.4V (AC Adaptor)
DIMENSIONS	
Dimensions (Approx.)	3 1/4 x 3 1/4 x 5 1/2 inch (82 x 82 x 138 mm)
Weight (Approx.)	1 lb 3oz (550g)
SUPPLIED ACCESSORIES	
AC adaptor	AC-L200
Rechargeable Battery Pack	InfoLITHIUM® Rechargeable Battery (NP-FH60)
Remote Commander® control unit	RMT-831
Component Video Cable	Yes
Composite Video Cable	Yes
USB Cable	Yes
Lens Hood	Yes
Application Software (CD-ROM)	Picture Motion Browser Ver.4.2.00 <sup>9</sup>
Enjoy Handycam DVD	Yes
SUGGESTED ACCESSORIES	
Rechargeable InfoLITHIUM Batteries	NP-FV50/FV70/FV100
Lens	VCL-HGA07B, VCL-HGE08B, VCL-HG1730A, VCL-HG1737C
HDMI Cable (mini)	VMC-15MHD, VMC-30MHD
Tripod	VCT-80AV, VCT-60AV, VCT-50AV, VCT-R640
Video Light	HVL-HFL1, HVL-10NH, HVL-HIRL, HVL-HL1
GPS Unit	GPS-CS3KA

- FOOTNOTES**
- Viewable area measured diagonally.
  - i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 connection. The i.LINK connection may vary depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.
  - Compatible BRAVIA® HDTV and HDMI or component cable (sold separately) required for PhotoTV HD viewing. Specifications of the BRAVIA® HDTV shown vary according to market region.
  - Requires Microsoft Windows XP SP3 / Windows Vista SP1. Not supported by Mac OS.
  - Smooth Slow Record captures 3 seconds of video which plays back over 12 seconds.
  - Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.

