

**PRELIM**

With Super SteadyShot® image stabilization and NightShot® Plus technology, the DCR-HC28 reduces blur and the negative effects of low light environments to create high quality video every time. Affordable, durable and powerful, this Handycam® camcorder does it all.

- **1/6" Advanced HAD™ CCD Imager, 680K Pixels Gross**  
1/6" Advanced HAD™ (Hole Accumulation Diode) CCD with 340K (effective) pixels provides stunning detail and clarity with exceptional video (up to 500 lines of horizontal resolution) and still image performance.
- **MiniDV Recording**  
Offers up to 500 lines of horizontal resolution, 3X the color bandwidth and a significantly higher signal/noise ratio, to provide spectacular video performance.
- **20X Optical/800X 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 zooms.
- **Professional Quality Carl Zeiss® Vario-Tessar® 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.
- **Super SteadyShot® Picture Stabilization System**  
Picture stabilization system that uses motion sensors to detect and compensate for camera "shake" without compromising picture quality like some other digital stabilization systems.
- **2.5" Touch Panel SwivelScreen™ LCD Display (123K Pixels)<sup>3</sup>**  
Provides excellent viewing clarity with improved resolution. The high resolution 123K pixel LCD screen rotates up to 270 degrees for multiple viewing angles providing sharp, detailed images for monitoring or playback.
- **i.LINK® DV Interface<sup>1</sup>**  
A digital high-speed bi-directional interface which provides Audio/Video communication between two compatible devices. This connection allows for pure digital transfer between devices equipped with an IEEE1394 interface, such as camcorders, digital VTRs, capture cards and PCs.
- **InfoLithium® Battery with AccuPower™ Meter System**  
Charge the battery at anytime because unlike NiCad (Nickel Cadmium) batteries, Sony's rechargeable Lithium Ion batteries are not subject to a life shortening "memory effect". Sony's exclusive AccuPower™ meter displays the battery time remaining in minutes, in either the viewfinder or on the LCD screen.
- **NightShot® Plus Infrared System**  
With Sony's NightShot Plus Infrared System you can capture natural looking video, even when shooting in low light. Record subjects up to 10 feet away using the built-in infrared system, but without the overall monochrome color common with earlier low-light recording systems.
- **Stamina® Battery Power Management System**  
Using the optional NP-FH1000 InfoLithium® Battery, the DCR-HC28 can continuously record for up to 14 hours (viewfinder) or up to 12 hours (LCD) on a single full charge, providing extra long battery life<sup>2</sup>.
- **Program AE (Auto Exposure) Modes**  
Program AE modes make recording easy even when filming in challenging situations. Choose from Beach & Ski, Landscape, Portrait, Sports Lesson, Spotlight or Sunset & Moon modes.
- **Picture Effects**  
Get creative when recording or playing back your videos with Sony's Picture Effect Modes. Effects available in Camera mode: Mosaic and Pastel. Effects available in Playback mode: Monotone, Negative Art, Sepia, and Solarize.
- **Fader Effects**  
Enhance your personal videos by adding professional looking fader effects. Choose from Black, Mosaic, Monotone and White.
- **Battery Information**  
At the touch of a button, battery information is displayed on the LCD screen when charging and when the camcorder is turned off. The display will show how much the battery is charged, in 10% increments and the recordable time left when using the LCD screen or in the viewfinder.
- **Manual Focus**  
Allows the user to manually adjust the focus of the camcorder using the touch panel. Manual focusing also allows the user to control the focus in difficult situations where either the environment or the subject does not allow the camcorder's auto focus to perform optimally, such as when shooting through a window or in a crowded environment.
- **Easy Handycam Button**  
Using a camcorder can be intimidating for some people, so with a press of the Easy Handycam button, most of the advanced features of the camcorder are "locked out" leaving only the buttons essential for recording operational.
- **Picture Motion Browser**  
Easily organize still images and video, and turn them into stunning music videos using the supplied software.



## Specifications

### General

Imaging Device: 1/6" CCD  
Pixel Gross: 680K  
Recording Media: MiniDV Cassette  
Recording and Playback Times: SP: 60 min.,  
LP: 90 min.  
Video Actual: 340K Pixels  
Still Actual: N/A

### Convenience

USB Streaming: N/A  
SteadyShot® Image Stabilization: Yes  
(Super; Electronic)  
Accessory Shoe: N/A  
White Balance: Auto, Indoor, One-push,  
Outdoor  
Memory Stick PRO™ Media Compatibility:  
N/A  
Still Image Mode(s): N/A  
Minimum Illumination: 5 Lux (0 Lux with  
NightShot® Plus Infrared System)  
Low Light Capability: NightShot® Plus  
system

### Convenience Features

Easy Operation: Yes  
Fader Effects: Black, Monotone, Mosaic,  
White  
Multiple Language Display: Yes  
Remote Control: N/A  
Slide Show Mode: No  
Tilting: No  
Light/Flash: N/A  
Movie Mode(s): MPEG  
Scene Mode(s): Beach & Ski, Landscape,  
Portrait, Sports Lesson, Spot Light,  
Sunset & Moon  
Picture Effect(s): Monotone, Mosaic,  
Negative Art, Pastel, Sepia, Solarization  
Digital Picture Effect(s): N/A

### Inputs and Outputs

LANC Terminal: N/A  
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®)<sup>1</sup>  
Digital Audio/Video Output(s): Yes (via  
i.LINK®)<sup>1</sup>  
USB Port(s): N/A  
i.LINK® Interface: Yes  
Component Video (Y/Pb/Pr) Output(s): N/A  
Headphone Jack: N/A  
Microphone Input: N/A  
S-Video Input(s): N/A  
S-Video Output(s): Yes (optional accessory)

### Hardware

LCD: 2.5" (123K Pixels) SwivelScreen™ LCD  
Display  
Lens Type: Carl Zeiss® Vario-Tessar®  
Viewfinder: Color (123K Pixels)  
Docking Station: N/A

Microphone: Yes (Built-in; Stereo)

### Optics/Lens

35mm Equivalent: 44-880mm (4:3 Camera  
Mode), 48-960mm (16:9 Camera Mode)  
Aperture: f1.8-3.1  
Exposure: Touch Panel (24 steps)  
Filter Diameter: 25mm  
Focal Distance: 2.3-46mm  
Focus: Full Range Auto, Manual (Touch  
Panel)  
Progressive Shutter Mode: N/A  
Shutter Speed: Auto, 1/60-1/4000 (AE  
Mode)  
Optical Zoom: 20X  
Digital Zoom: 800X

### Power

Power Consumption: 1.8W/2.1W (VF/LCD)  
Battery Type: InfoLithium® with  
AccuPower™ Meter System (NP-FP30)  
Power Requirements: 7.2V (battery pack);  
8.4V (AC Adaptor)

### Service and Warranty Information

Limited Warranty: 1 Year Parts; 90 Days  
Labor

### Software

Supplied Software: PictureMotion  
Browser ver. 2.0

### Video

Video Recording System: 2 Rotary Heads,  
Helical Scanning System  
Video Signal System: NTSC color, EIA  
standards  
Analog-to-Digital Converter: N/A

### Dimensions

Weight: 14 oz (420g) with Tape and Battery  
Measurements: 2 5/8" x 3 1/8" x 4 1/2" (65 x  
79 x 113mm)

### Supplied Accessories

Power Adapter/In-Camera Charger (AC-  
L25)  
InfoLithium® Rechargeable Battery (NP-  
FP30)  
Stereo A/V Cable  
Lens Cap  
Application Software  
Enjoy Handycam DVD

### Optional Accessories

High Grade A/V Cable with S-Video (VMC-  
30FS)

UPC Code: 027242701403

1. 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.
2. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions. Designed for use with compatible Sony InfoLithium® batteries.
3. Viewable area measured diagonally

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Screen Image Simulated

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