

With a ClearVid™ CMOS sensor (with Exmor™ technology) and BIONZ™ image processor, the DCR-SR220 captures vibrant, high resolution video and still images that please the senses. Its dual record mode even lets you take 4 megapixel photos while recording video directly to your choice of either the built-in 60GB<sup>9</sup> hard disk or removable Memory Stick Duo™ or Memory Stick PRO Duo™ media.

- **2.3 Megapixel ClearVid™ CMOS Sensor (with Exmor™ Technology) and BIONZ™ Image Processor**  
Sony's newly designed CMOS image sensor with delivers bright, vivid, and spectacularly detailed 2.3 megapixel (effective) video footage, as well as 4 megapixel still images -- all with prolonged battery life. Exmor™ technology captures images with high resolution and high sensitivity. In addition, the advanced Sony BIONZ™ image processor improves camera response time and screens out noise so the signal from each pixel is as pure as possible.
- **BIONZ™ Image Processor**  
The advanced Sony BIONZ™ Image Processor uses hardware-based Large Scale Integrated (LSI) circuitry that improves camera response time, screens out noise before RAW data conversion, handles Dynamic Range Optimization processing, and prolongs battery life.
- **Exmor™ Imaging Sensor**  
Exmor™ technology captures video and still photo images with high resolution, high sensitivity, and exceptional detail. Advanced on-sensor A/D conversion yields rich tonal reproduction with high signal-to-noise ratio.
- **Face Detection for Video Footage and Digital Still Photos**  
Made possible by the BIONZ™ image processing engine, Face Detection technology recognizes up to 8 faces anywhere in the frame and automatically controls focus, exposure, and color to help capture smiling faces brightly and clearly. Face Detection also helps make skin tones look natural without affecting other colors in the image.
- **15X Optical / 180X Digital Zoom**  
The optical zoom helps to bring the action close up from far away. In addition, Digital Zoom Interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zoom.
- **2.7" Wide<sup>1</sup> (16:9) Touch Panel Clear Photo LCD Plus™ Display (211K Pixels)**  
The 2.7" Wide<sup>1</sup> (16:9) LCD screen provides exceptional viewing clarity with improved resolution (211K pixels). The display rotates up to 270 degrees for multiple viewing angles, as well as provides sharp, detailed images for monitoring or playback. The widescreen format makes shooting in 16:9 mode and composing shots even easier.
- **Hybrid Recording to Hard Disk Drive or Memory Stick® Media**  
Hybrid recording technology delivers a new level of flexibility for transferring your video footage and digital photos from the camcorder to compatible viewing devices. Record to the camcorder's internal hard disk drive, or choose instead to record to removable Memory Stick Duo™ media or Memory Stick PRO Duo™ media. You can even select from various dubbing functions to easily copy video or still images from the hard disk drive to Memory Stick media -- without using a PC. Images recorded or transferred to Memory Stick media can then be played directly on a PS3 or PC to share your memories with friends and family.
- **Dual Record**  
While recording video in High Definition you have the ability to capture still images directly to Memory Stick Duo™ media (sold separately).
- **Memory Stick PRO Duo™ Media Slot Capture**  
Capture still images directly onto Memory Stick PRO Duo™ media (sold separately) for easy transfer to PCs for emailing, printing, or sharing with other compatible Memory Stick® devices (sold separately).
- **Quick On**  
Missing an important scene can be frustrating, especially if the reason is because your camcorder is turned off. With the Quick On feature, the touch of a single button places that camcorder in Sleep mode. Another push instantly wakes the camcorder, so you'll always be ready to capture special moments.
- **Built-in zoom microphone with 5.1ch recording**  
Featuring Dolby® Digital 5.1 Creator, the built-in zoom microphone focuses audio recording on your subjects in sync with the camera's zoom lens, helping memories ring true with clear dialogue and crisp, discrete sounds.
- **Dolby® Digital 5.1ch Recording**  
Record in Dolby Digital 5.1ch surround sound with the camcorder's built-in microphone. Recording in 5.1 channel surround sound allows you to experience your home movies with active sounds coming from all directions, so you can enjoy your personal home movies the way you experienced them while recording.
- **Dynamic Range Optimizer**  
Powered by the exclusive Sony's BIONZ™ high-speed processing engine, D-Range Optimization preserves image data in bright highlights, such as suppressing "whiteout" in skies. When shooting in backlit settings, D-Range Optimization reveals more detail in shadows, preventing "blackout." As a result, the captured image appears as natural as the original scene.
- **Easy Handycam Button**  
Using a camcorder can be intimidating for some people. With a press of the Easy Handycam Button, most of the advanced features of the camcorder are "locked out," letting you focus only the buttons essential for recording.

**ADDITIONAL FEATURES**

- Professional Quality Carl Zeiss® Vario-Tessar® Lens
- Active Interface Shoe
- USB 2.0 Interface<sup>6</sup>
- InfoLITHIUM® Battery with AccuPower™ Meter System
- Stamina® Battery Power Management System
- Battery Information
- Fader Effects
- Scene Selection Modes
- Picture Effects



MEMORY STICK PRO DUO



# DCR-SR220

## Hard Disk Drive Handycam® camcorder

### Specifications

#### General

Imaging Device: 1/5" ClearVid™ CMOS sensor (with Exmor™ technology)  
 Pixel Gross: 2300K  
 Recording Media: 60GB<sup>8</sup> Non-Removable Hard Disk Drive, Memory Stick Duo™ Media, Memory Stick PRO Duo™ Media  
 Recording and Playback Times:  
 Approximately - HQ: 14 hours, SP: 21 hours, LP 41 hours When using 8GB Memory Stick PRO Duo™ Media (sold separately):  
 Standard Definition: HQ = up to 115 min., SP = up to 170 min., LP = up to 325 min.  
 Video Actual: 1120K Pixels (4:3), 1490K Pixels (16:9)  
 Still Actual: 1990K Pixels (4:3), 1490K Pixels (16:9)  
 Processor: BIONZ™ image processor  
 Video Resolution: 720 x 480  
 Still Picture Resolution: 4 megapixel

#### Audio

Audio Format: Dolby® Digital 5.1

#### Convenience

USB Streaming: N/A  
 SteadyShot® Image Stabilization: O.I.S.  
 White Balance: Auto, Outdoor, Indoor, One-push (touch panel)  
 Memory Stick PRO™ Media Compatibility: Tested to support up to 8GB media capacity; does not support high speed transfer function; does not support Access Control security function.  
 Still Image Mode(s): JPEG  
 Minimum Illumination: 8 lux (Auto Slow Shutter ON, Shutter Speed 1/30)  
 Face Detection: Yes  
 Hybrid: Yes  
 Hybrid Plus: N/A  
 Quick On: Yes  
 BRAVIA® Sync™ : N/A  
 Dual Record: Yes

#### Convenience Features

Easy Operation: Yes  
 Multiple Language Display: Yes  
 Slide Show Mode: Yes  
 Scene Mode(s): Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait (Soft Portrait), Spotlight, Sports, Beach, Snow  
 Picture Effect(s): Monotone, Sepia, Pastel  
 Digital Picture Effect(s): Old Movie  
 PictBridge Compatible: Yes  
 Dynamic Range Optimizer: Yes  
 Low Light Capability: S-NS  
 Fader Effect(s): Black, White  
 Face Index: Yes  
 Film Roll Index: Yes  
 Photo Capture from Movie: Yes  
 Dubbing Button: Yes (Camera body & Handycam Station)  
 PhotoTVHD: N/A  
 x.v.Color™ : N/A

#### Video

Video Signal System: NTSC color, EIA standards  
 Format(s) Supported: SD (MPEG2)

#### Inputs and Outputs

LANC Terminal: Accessible via A/V Remote Terminal  
 Analog Audio/Video Output(s): Included (via A/V Remote Terminal)  
 Digital Audio/Video Output(s): N/A  
 USB Port(s): Hi-speed (2.0 compliant)  
 i.LINK® Interface: N/A  
 Component Video (Y/Pb/Pr) Output(s): N/A  
 Headphone Jack: N/A  
 Microphone Input: N/A  
 S-Video Output(s): Included in A/V Remote

HDMI™ Connection Output(s): N/A  
 Audio/Video Remote Terminal: Video/S Video/Audio/LANC  
 Active Interface Shoe: Yes

#### Display

LCD Screen: 2.7" wide<sup>1</sup> (16:9) touch panel  
 Clear Photo LCD Plus™ display (211k pixels)

#### Hardware

Viewfinder: N/A  
 Microphone: Built-in Zoom Microphone  
 Flash: Yes  
 Memory Stick slot: Memory Stick PRO Duo™ Media  
 Manual / Auto Lens Cover: Auto  
 Assignable Dial: N/A  
 S/S & Zoom button on LCD: Yes

#### Optics/Lens

35mm Equivalent: 49 - 735mm (4:3 Camera Mode), 40 - 600mm (16:9 Camera Mode)  
 Aperture: F1.8-2.6  
 Exposure: Touch Panel  
 Filter Diameter: 30mm  
 Focal Distance: 3.1 - 46.5mm  
 Focus: Full range auto / Manual (Touch Panel)  
 Progressive Shutter Mode: Yes  
 Shutter Speed: Auto, 1/30 - 1/250 (Scene Selection Mode)  
 Optical Zoom: 15x  
 Digital Zoom: 180x  
 Lens Type: Carl Zeiss® Vario-Sonnar® T

#### Power

Power Consumption: 3.0W (VF/LCD)  
 Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH60)  
 Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)

#### Service and Warranty Information

Limited Warranty: Limited Warranty --- 1 Year Parts; 90 Days Labor

#### Software

Operating System Compatibility: Microsoft® Windows® 2000 Professional, XP Home, XP Professional, Windows Vista  
 Supplied Software: Picture Motion Browser Ver.3.0.00

#### Dimensions

Weight: 1 lb 3 oz (560g) with Battery  
 Measurements: 3 1/4 x 3 x 5 1/8 inch (81 x 76 x 129mm)

#### Supplied Accessories

Power Adapter/In-Camera Charger (AC-L200)  
 InfoLITHIUM® Rechargeable Battery (NP-FH60)  
 Remote Commander® Remote Control (RMT-835)  
 Multi A/V Cable (Stereo)  
 USB Cable  
 Application CD-ROM w/ Driver  
 Enjoy Handycam DVD

UPC Code: 02724272724



- Viewable area measured diagonally.
- Camcorder captures high definition footage in the AVCHD™ format. Using the enclosed PC software, high definition footage can be copied onto DVD media. However, DVD media containing AVCHD footage should not be used with DVD based players or recorders, as the DVD player/recorder may fail to eject the media and may erase its contents without warning. DVD media containing AVCHD footage may be played on a compatible Blu-ray Disc™ player/recorder or other compatible device.
- DVD media/formats are not universally compatible.
- HD viewing requires a Sony HD connector cable or HD Cybershot Station® cradle and HDTV. All sold separately.
- 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.
- Not all products with USB connectors may communicate with each other due to chipset variations.
- Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.
- Compatible BRAVIA® HDTV and special TV settings are required. Further details are available in the BRAVIA® TV instruction manual.
- 60GB means 60 billion bytes. Available storage capacity may vary and a portion of the memory is used for data management functions.
- Requires BRAVIA Sync feature in each product. Please refer to owner's manual to determine compatibility.

©2007 Sony Electronics Inc. All rights reserved.  
 Reproduction in whole or in part without written permission is prohibited. Sony, AccuPower, Advanced HAD, Handycam, i.LINK, InfoLITHIUM, like.no.other, NightShot, PlayStation, Remote Commander, SteadyShot and SwivelScreen are trademarks of Sony. Carl Zeiss and Vario-Tessar are trademarks of Carl Zeiss. PictBridge is a trademark of CIPA. Microsoft and Windows are registered trademarks of Microsoft Corporation. PlayStation is a trademark of Sony Computer Entertainment of America. All other trademarks are property of their respective owners.  
 Features and specifications subject to change without notice. Non-metric weights and measures are approximate and may vary.  
 Screen Images Simulated

Please visit the Dealer Network for more information at  
[www.sony.com/dn](http://www.sony.com/dn)

Last Updated: 03/10/2008