The HDR-SR12 delivers a complete 1920 x 1080 high definition video package built around an internal 120GB hard disk drive. A professional-quality Carl Zeiss® Vario-Sonnar® T Lenses and ClearVid™ CMOS Sensor (with Exmor™ technology) and BIONZ™ Image processor let you capture crisp, detailed video and still images. Additionally, Super SteadyShot® optical image stabilization and Face Detection technology help every image — and face in it — look its best.

- 1920x1080 Recording
  Record stunning, incredibly detailed video footage in the clarity of 1920 x 1080 Full HD resolution.

- 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.

- 5 Megapixel ClearVid™ CMOS Sensor (with Exmor™ Technology) and BIONZ™ Image Processor
  Sony’s newly designed CMOS image sensor delivers bright, vivid, and spectacularly detailed 5 megapixel (effective) video footage, as well as 10.2 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.

- 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).

- 12X Optical / 150X 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.

- 3.2” Wide (16:9) Touch Panel XtraFine LCD™ Display (921K pixels)
  The 3.2” Wide (16:9) XtraFine™ LCD screen displays sharp, bright, photo-quality images, letting you compose and share video and still images more easily — even outdoors. With nearly 1 megapixel (921K pixels) resolution and a wide viewing angle, the XtraFine LCD™ screen is like having a high-resolution video and photo viewer built into your camcorder.

- 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.

- Tele Macro Function
  Images shot in the Tele Macro Mode help your subject stand out by properly focusing the subject while leaving the background unfocussed. The Tele Macro Mode is useful for shooting close-up shots, especially when you need to prevent the camcorder from casting a shadow on the subject.

- Switchable HD/SD Format Recording
  Record and play back both High Definition (HD) and Standard Definition (SD) video.

ADDITIONAL FEATURES

- Professional Quality Carl Zeiss® Vario-Sonnar® T Lenses
- Active Interface Shoe
- HDMI™ Connection with BRAVIA® Sync™ (CEC) Technology
- USB 2.0 Interface
- InfoLITHIUM® Battery with AccuPower™ Meter System
- Stamina & Battery Power Management System
- Battery Information
- Built-in Intelligent Flash
- Easy Handycam Button
- Date Index Function
Specifications

General

Imaging Device: 1/3" CleaVid™ CMOS sensor (with Exmor™ technology)
Pixel Gross: 5660K
Recording Media: 120GB Non-Removable Hard Disk Drive, Memory Stick Duo™ Media, Memory Stick PRO Duo™ Media
Recording and Playback Times: High Definition: FH = 14 hours 50 min. HQ = 29 hours 40 min. SP = 36 LP = 48 hours Standard Definition: HQ = 29 hours and 40 min. SP = 44 hours LP = 84 hours and 20 min.When using BG Memory Stick PRO Duo™ Media (sold separately): High Definition: FH = up to 55 min., HQ = up to 115 min. SP = up to 140 min., LP = up to 180 min. Standard Definition: HQ = up to 115 min., SP = up to 170 min., LP = up to 5 hours 25 min.
Video Actual: 2860K pixels (4:3), 3810K pixels (16:9)
Still Actual: 5080K pixels (4:3), 3810K pixels (16:9)
Processor: BIONZ™ Image processor
Video Resolution: 1620 x 1080
Still Picture Resolution: 10.2 megapixel

Audio

Audio Format: Dolby® Digital 5.1

Convenience

USB Streaming: N/A
SteadyShot® Image Stabilization: O.I.S.
White Balance: 5 lux Auto Slow Shutter ON, 1/30 Shutter Speed
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): Low Light Capability:
Dynamic Range Optimizer:
PictBridge Compatible:
Easy Operation: Yes
Multiple Language Display: Yes
Slide Show Mode: Yes
Scene Mode(s): Auto, Twilight, Twilight Portrait, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait (Soft Portrait), Spotlight, Beach, Snow
Picture Effect(s): Sepia, Monotone, Pastel
Digital Picture Effect(s): Old Movie
PictBridge Compatible: Yes
Face Detection: Yes
Hybrid Plus: N/A
Quick On: Yes
BRavia Sync™: - Yes
Dual Record: Yes

Convenience Features

Easy Operation: Yes

Video

Video Signal System: NTSC color, PAL standards
Format(s) Supported: HD: MPEG4 AVC/H.264 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): Yes (via USB & i.LINK®)

USB Port(s): H-speed (2.0 compliant)
i.LINK® Interface: N/A
Component Video Input(s): Y/Pb/Pr
Component Video Output(s): Included via A/V Remote Terminal
Headphone jack: Yes
Microphone Input: Yes
S-Video Output(s): Included in A/V Remote HDMI™ Connection Output(s): Yes (mini)
Audio/Video Remote Terminal: Video/ Audio/ Component Output Remote
Active Interface Shoe: Yes

Display

LCD Screen: 3.2" wide touch panel Xtra Fine LCD™ display (921k pixels)

Hardware

Viewfinder: Color Wide 16:9 (123K Pixels)
Microphone: Built-in 2cm Microphone
Flash: Yes
Memory Stick slot: Memory Stick PRO Duo™ Media
Manual / Auto Lens Cover: Auto
Assignable Dial: Yes
S/S & Zoom button on LCD: Yes

Optics/Lens

35mm Equivalent: 49 - 588mm (4:3 Camera Mode), 40 - 480mm (16:9 Camera Mode)
Aperture: F1.8 - 4.9 - 58.8mm
Focus: Full range auto / Manual
Progressive Shutter Mode: Yes
Shutter Speed: Auto, 1/30 - 1/250 (Scene Selection Mode)
Optical Zoom: 12x
Digital Zoom: 150x
Lens Type: Carl Zeiss® Vario-Sonnar® T

Power

Power Consumption: 4.5W / 4.8W / 4.9W
Battery Type: InfoLITHIUM® with AccuPower™
Meter System (NP-FH60)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adapter)

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

Dimensions

Weight: 1 lb 6 oz (650g) with Battery
Measurements: 3 3/8 x 3 x 5 1/2 inch (83.7 x 76.1 x 138 mm)

1. Viewable area measured diagonally.
2. 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.
3. DVD media formats are not universally compatible.
4. HD viewing requires a Sony HD connector cable or HD CyberShot Station II cradle and HDTV. All sold separately.
5. LUNIK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection.
6. All not products with USB connectors may communicate with each other due to chipset variations.
7. Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.
8. Compatible BRAVIA® HD TV and special TV settings are required. Further details are available in the BRAVIA TV instruction manual.

BRAVIA® is a trademark of Sony Corporation.

All sold separately.

Please visit the Dealer Network for more information at www.sony.com/dn