The HDR-SR12 includes a ClearVid™ CMOS sensor (with Exmor™ technology) and BIONZ™ image processor to capture Full HD 1920 x 1080 video and 10.2 megapixel still images on its internal 120GB hard disk drive. 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 cl arity 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 Lens**
- **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**
### HDR-SR12

#### HD Hard Disk Drive Handycam® camcorder

**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 minutes, HQ = 29 hours and 40 minutes, SP = 36 hours, LP = 48 hours Standard Definition: HQ = 29 hours and 40 minutes, SP = 44 hours LP = 84 hours and 20 minutes
- When using 8GB Memory Stick PRO Duo™ Media (sold separately), High Definition: FH = up to 55 minutes, HQ = up to 115 minutes, SP = up to 140 minutes, LP = up to 180 minutes
- Standard Definition: HQ = up to 115 minutes, SP = up to 170 minutes, LP = up to 5 hours 25 minutes
- 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: 1920 x 1080
- Still Picture Resolution: 10.2 megapixel

**Audio**

- Audio Format: Dolby® Digital 5.1
- Microphone: Built-In Zoom Microphone

**Convenience**

- USB Streaming: N/A
- Accessory Shoe: Yes (Active Interface Shoe)
- White Balance: S 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.
- Image Stabilization: O.I.S.

**Convenience Features**

- Easy Operation: Yes
- Multiple Language Display: Yes
- Slide Show Mode: Yes
- Picture Effect(s): Sepia, Monotone, Pastel
- Digital Picture Effect(s): Old Movie
- PictureBridge Compatible: Yes
- Low Light Capability: S/N
- Fader Effect(s): Black, White
- Face Index: Yes
- Film Roll Index: Yes
- Photo Capture from Movie: Yes
- Dubbing Button: Yes (Camera body & Handycam Station)
- x.v.Color™: Yes
- BRAVIA Sync™: Yes

**Video**

- Format: HD: MPEG4 AVC/H.264 SD: MPEG2
- Video Signal: NTSC color, EIA standards

**Video Features**

- PhotoTV HD: Yes
- Inputs and Outputs
  - Analog Audio/Video Output(s): Included (via A/V Remote Terminal)
  - Digital Audio/Video Output(s): Yes (via USB)
  - USB Port(s): Hi-speed (2.0 compliant)
  - Component Video (Y/Pb/Pr) Output(s): Included (via A/V Remote Terminal)
  - Headphone jack: Yes
  - Microphone Input: Yes
  - S-Video Output(s): Available via A/V Remote (cable not included)
  - HDMI™ Connection Output(s): Yes (mini)
  - Audio/Video Remote Terminal: Yes
  - Active Interface Shoe: Yes

**Display**

- LCD Screen: 3.2" wide touch panel Xtra Fine LCD™ display (603k pixels)
- Viewfinder: Color Wide 16:9 (123K Pixels)

**Hardware**

- Memory Stick slot: Memory Stick PRO Duo™ Media
- Manual / Auto Lens Cover: Auto
- Assignable Dial: Yes
- S’ & 2s button on LCD: Yes
- Light Flip: Yes

**Optics/Lens**

- 35mm Equivalent: 49 - 588mm (4.3 Camera Mode), 40 - 480mm (16:9 Camera Mode)
- Aperture: F1.8-3.1
- Exposure: Touch Panel
- Filter Diameter: 37mm
- Focal Distance: 4.9 - 58.8mm
- Focus: Full range auto / Manual
- Shutter Speed: Auto, 1/30 - 1/250 (Scene Selection Mode)
- Optical Zoom: 12x
- Digital Zoom: 150x
- Lens Type: Carl Zeiss® Vario-Sonnar® T
- Minimum Illumination: 5 lux (Auto Slow Shutter ON, 1/30 Shutter Speed)

**Power**

- Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH50)
- Power Requirements: 7.2V (battery pack); 8.4V (AC Adapter)
- Power Consumption (in Operation): 4.5W/4.8W/4.9W

**Service and Warranty Information**

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

**Software**

- Supplied Software: Picture Motion Browser Ver. 3.0.0

**Dimensions**

- Weight: 1 lb 6 oz (650g) with Battery
- Measurements: 3 8/5 x 3 5/12 inch (83x76x138mm)

**Supplied Accessories**

- Power Adapter/In-Camera Charger (AC-L200)
- InfoLITHIUM® Rechargeable Battery (NP-FH50)
- Remote Commander® Remote Control (RMT-B35)
- Handycam Station™ cradle (DRCA-C200)
- Component Video Cable
- Multi A/V Cable (Stereo)
- Application CD-ROM w/ Driver
- USB Cable
- Enjoy Handycam DVD

**UPC Code:** 027242727755

1. Viewable area measured diagonally.
2. Camcorder captures high definition footage in the AVCHD™ format. Using the encRD5C 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 devices.
3. DVD media formats are not universally compatible.
4. HD viewing requires a Sony Digital Camcorder or HD Cyber-shot Station cradle and HDD. At sold separately.
5. LNKUI is a trademark of Sony used only to designate that a product is compatible with the Handycam Station. The LNKUI connection may vary depending on the software applications, operating system and compatible Handycam devices. All products with an LNKUI connection may not communicate with each other.
6. Not all 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® HDTV and special TV settings are required.
9. Further details are available in the BRAVIA® TV instruction manual.
10. 120GB means 120 billion bytes. Available storage capacity may vary and a portion of the memory is used for data management functions.
11. Requires BRAVIA Sync feature in each product. Please refer to owner’s manual to determine compatibility.

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