The HDR-XR520V employs an advanced Exmor R™ CMOS sensor to capture stunning, 1920 x 1080 high definition video and 12 megapixel still images to its internal 240GB hard disk drive. In addition, a built-in GPS receiver helps you keep track of your current location, and even remembers where you shot your videos.

- 1920 x 1080 high definition video recording:
  - 1920 x 1080 high definition resolution lets you record your memories in exceptional Sony® Full High Definition quality.
- 12 megapixel still image capture:
  - 12 megapixel still image capture lets you take stunning, high resolution digital photos.
- 240GB hard disk drive:
  - A built-in 240GB hard disk drive can record and store up to 101 hours of high definition video footage in long play mode (HD LP, 2ch Dolby mode). In addition, “HDD Smart Protection” gives you peace of mind by helping to prevent any recorded video and images from being lost if the camcorder is accidentally dropped.
- 1/2.88" "Exmor R" CMOS image sensor with ClearVid™ array:
  - 1/2.88" "Exmor R" CMOS image sensor with ClearVid™ array delivers bright, vivid, spectacularly detailed video footage, as well as 12 megapixel still images. With 6 megapixel (effective) video resolution, the image sensor actually captures video at four times the density of high definition resolution resulting in a sharper and more detailed 1920 x 1080 HD picture. In addition, "Exmor R" technology captures images with high resolution and high sensitivity, while the advanced Sony BIONZ™ image processor improves camera response time and screens out noise to help ensure that the signal from each pixel is as pure as possible.
- Back-illuminated "Exmor R" CMOS sensor:
  - Experience stunning low-light sensitivity with improved image clarity and drastically reduced grain with the newly developed, back-illuminated "Exmor R" sensor. Designed for compact cameras and camcorders, the "Exmor R" sensor relocates the photo diodes above the support circuitry, maximizing the light-gathering area per pixel so you can shoot with better results in lower lighting conditions.
- Geotagging with built-in GPS receiver:
  - A built-in GPS receiver makes the HDR-XR520V an ideal choice for travelers. In addition to automatically adjusting your camcorder's clock to the proper time zone, the GPS receiver also gives you the ability to view your current location on the LCD map display, as well as "tag" your shooting locations. Tagged videos and still images can be reviewed and played back using the Map Index function on the camcorder or once downloaded to your PC using the supplied PMB (Picture Motion Browser) software.
- Map Index function:
  - Map Index uses the geotagging capabilities of the built-in GPS receiver to "tag" your shooting locations on a map in the camcorder, offering a new way to easily search and find a desired scene by location or view where a scene was captured.

**ADDITIONAL FEATURES**

- Face Detection technology for Video Footage and Digital Still Photos:
- Smile Shutter™ technology for still and dual capture:
- Optical SteadyShot™ image stabilization with Active Mode:
- 3.2" wide touch panel Xtra Fine LCD™ display² (921K pixels):
- Power On by opening LCD display:
- Highlight Playback:
- Professional-quality Sony G Lens:
- 12X Optical / 150X Digital Zoom:
- Dedicated Mic and Headphone inputs:
- Dolby® Digital 5.1ch recording with Built-in Zoom Mic:
- Active Interface Shoe:
- Dual Record with 8.3MP still image capture:
- Includes Sony® PMB (Picture Motion Browser) software:
- Smooth Slow Record:
- Assignable Dial:
- Adjustable .27" Color Viewfinder³:
- Built-in Intelligent Flash:
- x.v. Color™ technology for superior color:
- HDMI™ connection:
- USB 2.0 interface:
- BIONZ™ Image Processor:
- Film Roll Index:
- Face Index function:
- Hybrid Recording to HDD or Memory Stick Duo™ media:
- One Touch Disc Burn:
- Record and zoom controls on LCD frame:
- BRAVIA Sync™ technology:
- Auto Lens Cover:
- Dynamic Range Optimizer:
Specifications

240GB HDD High Definition Camcorder

General

Imaging device: 1/2.88" Exmor R CMOS sensor
Pixel Gross: 6631K
Recording Media: 240 GB Non-Removable Hard Disk Drive

Component Video (Y/Pb/Pr) Output(s):
Digital Audio/Video Output(s):
Analog Audio/Video Output(s):
PhotoTV HD:
Video Signal:
x.v.Color
Film Roll Index:
Face Index:
Low light Capability:
Multiple Language Display:
Easy Operation:

Convenience

Accessory Shoe: Yes (Active Interface Shoe)
Memory Stick PRO Duo™ Media Compatibility:
Memory Stick PRO Duo™ Media (Sold Separately)
Still Image Mode(s): JPEG
Face Detection: Yes
Hybrid: Yes
Quick On: Power On by LCD
Dual Record: B 3 megapixel
Dynamic Range Optimizer: Yes
Scene Mode(s): Auto, Twilight, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
Image Stabilization: Optical SteadyShot™ image stabilization w/ Active mode
Smile Shutter™ technology: Yes

Convenience Features

Easy Operation: Yes
Multiple Language Display: Yes
Slide Show Mode: Yes
Low Light Capability: NightShot
Fader Effect(s): Black, White
Face Index: Yes
Film Roll Index: Yes
Photo Capture from Movie: Yes
x.v.Color™: Yes
BRAVIA® Sync™: Yes

Video

Format: HD: MPEG4 AVC/H.264; SD: MPEG2
Video Signal: HD: 1920 x 1080 60i; SD: 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): HDMI
USB Port(s): Hi-speed (2.0 compliant)
Component Video (Y/Pb/Pr) Output(s): Supplied (via A/V Remote jack)

Headphone jack: Yes
Microphone Input: Yes
S-Video Output(s): Sold separately (via A/V Remote jack)
HDMI™ Connection Output(s): Yes (mini)
Audio/Video Remote Terminal: Video / S Video / Audio / Component Out / Remote Active Interface Shoe: Yes

Display

LCD Screen: 3.2" wide touch panel LCD display (921k pixels)
Viewfinder: Wide (color 124k)

Hardware

Memory Stick slot: Memory Stick PRO Duo™ Media
Manual / Auto Lens Cover: Auto Assignable Dial: Yes
S & S zoom button on LCD: Yes
Light/ Flash: Yes

Optics/Lens

35mm Equivalent: 43 - 516mm (16:9), 52 - 624mm (4:3)
Aperture: F1.8-3.4
Exposure: Yes (Touch Panel)
Filter Diameter: 37mm
Focal Distance: 5.5 - 66.0mm
Focus: Full range Auto / Manual (Touch Panel)
Shutter Speed: Scene Selection, 1/ 8-1/800; STD, 1/ 60-1/200; LOW LUX, 1/30-1/800; Smooth Slow Rec., 1/ 240-1/1000

Optical Zoom: 12x
Digital Zoom: 150x
Resolution: 12 megapixel
Lens Type: G Lens™
Minimum Illumination: STD, 11 lux (1/60 Shutter Speed);
LOW LUX, 3 lux (Auto Slow Shutter ON, 1/30 Shutter Speed)

Power

Battery Type: InfoLITHIUM ™ with AccuPower™ Meter System (NP-FH60)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption (In Operation): 4.4W

Software

Supplied Software: PMB Ver.4,2.0 Supports
Windows 2000 Professional Service Pack 4 (SP4), Windows XP Service Pack 3 (SP3)(32bit)
Windows Vista Service Pack 1 (SP1)
(32bit/64bit). Not supported by Mac OS.

Dimensions

Weight: w/o battery: 1lb 11oz (510g), w battery 1lb 4oz (590g)
Measurements: 2.7 / 8 x 3.5 / 12 inch (71 x 75 x 137mm)

Supplied Accessories

AC adapter (AC-L200)
Rechargeable Battery Pack (NP-FH60)
Remote Commander (RMT-835)
Component A/V Cable

Optional Accessories

Rechargeable InfoLITHIUM Batteries (NP-FH50/FH70/FH100)
Case (LCS-BDDW / L W)
Starter Kit (ACC-AS5H, ACC-HD6)
AC Adaptor / Charger for H Series batteries (AC-VQH10)
Travel Charger (BC-TRP)
Wireless Microphone (ECM-HW2)
Wide Angle Conversion Lens (VCL-HG07A)
HDMI Cable (mini) (VMC-30MHD)
Tripod (VCT-R80AV)
Video Light (HVL-L10NH)
Underwater Sports Pack (SPK-HCE)

UPC Code: 027242763081

1. 240GB Beqals 240 billion bytes, a portion of which is used for system management and/or application files. Available capacity is 238GB after deleting the 550MB demonstration video.
2. This camcorder captures high definition footage in the AVCHD format. DVD media containing AVCHD footage should not be used with DVD based players on recorders, as the DVD player/recorder may fail to eject the media and may erase its contents without warning. DVD media containing AVCHD footage must only be played back on a compatible Blu-ray Disc device, PC with supplied software or PLAYSTATION 3 devices.
3. Viewable area measured diagonally.
4. Requires BRAVIA Sync feature in each product, including a compatible BRAVIA HD TV. Please refer to owner’s manual to determine compatibility.
5. NaviTSD map detail on the camcorder is limited in some areas. By using a compatible PC, a broadband Internet connection, and supplied Picture Motion Browser software, your photos and videos can be shown on an online map service. The online map service is currently provided courtesy of Google, and is subject to change or termination without notice.
6. Requires Windows XP SP3 / Windows Vista SP1. Not supported by Mac OS.
7. Smooth Slow Rec captures 3 seconds of video which play back over 12 seconds.
8. One Touch Disc Burn feature requires DVD Direct burner or compatible PC with supplied PMB software (sold separately).

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