

AVCHD

HDD
HARD DISK DRIVE

1920x1080
recording

Full HD
1080

Exmor R
CMOS SENSOR

G

GPS

Smile Shutter

Face Detection
for video & photo

3.2" Xtra Fine LCD

PMB
Picture Motion Browser

BRAVIA Sync

x.v.Color

HDMI

HI-SPEED USB
USB 2.0

The HDR-XR500V employs an advanced "Exmor R" CMOS sensor to capture stunning, 1920 x 1080 high definition video and 12.1 megapixel still images to its internal 120GB¹ hard disk drive. In addition, a built-in GPS receiver⁷ Geo-tags your videos and photos.

- 1920 x 1080 high definition video recording:
1920 x 1080 high definition resolution lets you record your memories in exceptional Sony® Full High Definition quality².
- 12.1 megapixel still image capture:
12.1 megapixel still image capture lets you take stunning, high resolution digital photos
- 120GB hard disk drive:
A built-in 120GB¹ hard disk drive can record and store up to 48 hours of high definition video footage (HD LP mode), or up to 84 hours of standard definition footage (SD LP 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:
A 1/2.88" Exmor R™ CMOS image sensor delivers bright, vivid, spectacularly detailed video footage, as well as 12.1. 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. Approx. 2x increase in sensitivity compared to Sony's existing front-illuminated CMOS sensors at F2.0.
- Geotagging with built-in GPS receiver:
A built-in GPS receiver⁷ makes the HDR-XR500V 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) software⁹.
- Map Index function:
Map Index uses the geotagging capabilities of the built-in GPS receiver⁷ to "tag" your shot 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.
- 3.2" wide touch panel Xtra Fine LCD™ display³ (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:

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:



HDR-XR500V

120GB¹ HDD High Definition Camcorder

Specifications

General

Imaging Device: 1/2.88" Exmor R™ CMOS sensor
 Pixel Gross: 6631K
 Recording Media: 120GB Non-Removeable Hard Disk Drive
 Memory Stick PRO Duo™ Media (Sold Separately)
 Recording and Playback Times: 120GB HDD: High Definition: FH = up to 870 min., HQ = up to 1770 min. SP = up to 210 min., LP = up to 2870 min. Standard Definition: HQ = up to 1770 min., SP = up to 2620 min., LP = up to 5020 min.
 When using 16GB Memory Stick PRO Duo™ Media (sold separately): High Definition: FH = up to 110 min., HQ = up to 230 min. SP = up to 280 min., LP = up to 375 min. Standard Definition: HQ = up to 230 min., SP = up to 340 min., LP = up to 655 min.
 Video Actual: 4150K Pixels (16:9), 3110K Pixels (4:3)
 Still Actual: 4500K Pixels (16:9), 6000K Pixels (4:3)
 Processor: BIONZ™ image processor
 Video Resolution: 1920 x 1080
 Still Picture Resolution: 12 megapixel

Audio

Recording Format: Dolby® Digital 5.1
 Microphone: Built-in Zoom Microphone

Convenience

Accessory Shoe: Yes (Active Interface Shoe)
 Memory Stick PRO™ 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: 8.3 megapixel
 Smile Shutter: 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, Spotlight, Beach, Snow
 Dynamic Range Optimizer: 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
 SteadyShot® Image Stabilization: Optical SteadyShot™ image stabilization
 White Balance: Auto / outdoor / indoor / Onepush (Touch Panel)
 BRAVIA® Sync™ : Yes

Video

Format: HD: MPEG4 AVC/H.264 SD: MPEG2
 Video Signal: HD: 1920x1080/60i; SD: NTSC color, EIA standards

Video Features

PhotoTVHD: Yes

Inputs and Outputs

Analogue 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 panel¹ LCD display (921k pixels)

Hardware

Viewfinder: Wide (color 123k)

Memory Stick slot: Memory Stick PRO Duo™ Media¹
 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, 1/60-1/800
 Optical Zoom: 12x
 Digital Zoom: 150x
 Resolution: 12 megapixel still
 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

Power Consumption: 4.4W
 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 Term: Limited Warranty -- 1 Year Parts; 90 Days Labor

Software

Supplied Software: PMB Ver. 4.2.00 Supported by 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 1oz (500g), w battery: 1lb 4oz (580g)
 Measurements: 2 7/8 x 3 x 5 1/2 inch (71 x 75 x 137mm)

Supplied Accessories

AC adaptor (AC-L200)
 Rechargeable Battery Pack (NP-FH60)
 Remote Commander (RMT-835)
 Component A/V Cable
 A/V Connecting Cable
 Lithium Battery (CR2025)
 Application Software / USB Driver / (CD-ROM)
 USB Cable

Optional Accessories

Rechargeable InfoLITHIUM Batteries (NP-FH50/FH70/FH100)
 Case (LCSBDB/R/L)
 Starter Kit (ACC-ASH6, ACC-HDH6)
 AC Adaptor/Charger for H series batteries (AC-VQH10)
 Travel Charger (BC-TRP)
 Wireless Microphone (ECM-HW2)
 Wide Angle Conversion Lens (VCLHGE07A)
 HDMI Cable (mini) (VMC-30MHD)
 Tripod (VCT-80AV)
 Video Light (HVL-10NH)
 Underwater Sports Pack (SPK-HCE)

UPC Code: 027242763067



- 120GB available. Storage capacity may vary. A portion of the memory is used for data management functions.
- This camcorder captures high definition footage in the AVCHD format. 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 must only be played back on a compatible Blu-ray Disc device, PC with supplied software or PLAYSTATION®3 devices.
- Viewable area measured diagonally.
- Requires BRAVIA Sync feature in each product, including a compatible BRAVIA® HDTV. Please refer to owner's manual to determine compatibility.
- By using Picture Motion Browser software, supplied with certain Sony cameras and camcorders*, a PC and a broadband Internet connection, your photos 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.
- Requires Microsoft Windows XP SP3 / Windows Vista SP1. Not supported by Mac OS.
- Smooth Slow Record captures 3 seconds of video which play back over 12 seconds.
- One Touch Disc Burn feature requires DVDirect burner or compatible PC with supplied PBM software (sold separately).

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