



Key Features

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Key Technologies

**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<sup>2</sup>. The high definition, AVCHD, video captured with the HDR-CX520V can be used with the provided Picture Motion Browser software for PC, but is also fully compatible with iMovie® (sold separately) for Mac users<sup>9</sup>.

**12 megapixel still image capture** 12 megapixel still image capture lets you take stunning, high resolution digital photos

**64GB<sup>1</sup> Flash memory** The built-in 64GB<sup>1</sup> embedded Flash Memory can record and store up to 25 hours of high definition video footage (HD LP mode), or up to 44 hours of standard definition footage (SD LP mode).

**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 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. 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 receiver<sup>7</sup> makes the HDR-CX520V an ideal choice for travelers. The receiver 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<sup>9</sup>. Additionally, the receiver automatically adjusts your camcorder's clock to the proper time zone.

Specifications

General

Imaging Device: 1/2.88" Exmor R™ CMOS sensor  
 Pixel Gross: 6631K  
 Recording Media: 64GB<sup>1</sup> Non-Removable Flash memory  
 Memory Stick PRO Duo™ Media (Sold Separately)  
 Recording and Playback Times: 64GB<sup>1</sup> Flash:  
 High Definition (5.1ch): FH = up to 460 min., HQ = up to 935 min. SP = up to 1135 min., LP = up to 1515 min.  
 Standard Definition (5.1ch): HQ = up to 935 min., SP = up to 1385 min., LP = up to 2660 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  
 Dynamic Range Optimizer: Yes  
 Scene Mode(s): Auto, Twilight, Twilight Portrait, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow  
 Image Stabilization: Optical SteadyShot™ w/ Active Mode and 3-way Shake Cancellation  
 Smile Shutter™ technology: Yes

Features

Convenience

Easy Operation: No  
 Multiple Language Display: Yes  
 Slide Show Mode: Yes  
 Picture Effect(s): No  
 Digital Picture Effect(s): No

PictBridge Compatible: No  
 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: 1920x1080/60i; SD: NTSC color, EIA standards

Video

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: No  
 Microphone Input: No  
 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: 3.0" wide touch panel<sup>3</sup> Clear Photo Plus LCD display (230k pixels)

Hardware

Memory Stick slot: Memory Stick PRO Duo™ Media<sup>1</sup>  
 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, 1/8-1/725; STD, 1/60-1/725

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

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH60)  
 Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)  
 Power Consumption (in Operation): 3.6W

Service and Warranty Information

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

Software

Supplied Software: PMB Ver.4.2.14  
 Supported by Windows® 2000 Professional Service Pack4 (SP4), Windows XP Service Pack3 (SP3) (32bit)  
 Windows Vista® Service Pack1 (SP1) (32bit). Not supported by Mac OS.

Dimensions

Weight: w/o battery: 13oz (370g), w/ battery: 11b 0oz (450g)  
 Measurements: 2 1/2 x 2 5/8 x 5 3/8 inch (62 x 65 x 133mm)

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 (LCS-BBDB/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 (VCL-HGE07A)  
 HDMI Cable (mini) (VMC-30MHD)  
 Tripod (VCT-80AV)  
 Video Light (HL-DLH1)  
 Underwater Sports Pack (SPK-HCE)

