

The HDR-CX520V employs an advanced "Exmor R" CMOS sensor for excellent low light, 1920 x 1080 high definition video² and 12 megapixel still images all to 64GB¹ of internal flash memory. In addition, a built-in GPS receiver Geo-tags⁷ your videos and photos.

AVCHD

1920x1080
recording

Full HD
1080

Exmor R
CMOS SENSOR

G

GPS

Smile Shutter

Face Detection
for video & photo

Clear Photo
LCD

PMB
Picture Motion Browser

BRAVIA Sync

x.v.Color

HDMI

HYBRID
Memory Stick movie recording

- 12X Optical / 150X Digital Zoom
12X optical zoom helps to bring the action close up from far away. In addition, Digital Zoom Interpolation means that digital zooming (up to 150X) is clearer, with less distortion than previous types of digital zoom.
- Dolby® Digital 5.1ch recording with Built-in Zoom Mic
Dolby® Digital 5.1 channel recording captures active sounds coming from all directions, so you can experience your home movies the way you experienced them while recording. The Built-In Zoom Mic focuses audio recording on your subjects in sync with the camera's zoom lens.
- Dual Record with 8.3MP still image capture
Dual record capability lets you capture 8.3MP still images while shooting high definition video, so you can capture those special moments without having to switch recording modes.
- Includes Sony® PMB (Picture Motion Browser) software
Sony Picture Motion Browser software offers a simple, intuitive way to transfer, sort, and view your video and still images on your compatible PC⁹. In addition, multiple output options let you burn your memories to DVD, AVCHD DVD², and Blu-ray Disc™ media (sold separately), as well as take advantage of one click upload to a number of popular video and photo sharing sites (compatible PC and internet connection required)⁹.
- Smooth Slow Record
The Smooth Slow Record mode increases the record rate from 60 frames per second (fps) to 240 fps, allowing you to capture 3 seconds of fast motion and play the video back in 12 seconds. This is a great tool for analyzing a golf swing or a viewing a bird in flight. In addition, you can record an audio track to narrate the video footage.
- Assignable Dial
An assignable dial on the front of the camcorder can be programmed to control a variety of settings, including focus, exposure, AE (Auto Exposure) Shift, and WB (White Balance) Shift.

- Highlight Playback
Why spend hours editing your movies when you can let your camcorder do it for you? Highlight Playback uses several criteria - including Face Index, Smile Shutter™ technology, Dual Capture and time range - to identify and compile key scenes into a short, entertaining movie complete with music and transitions.
- Built-in Intelligent Flash:
or added clarity and detail when taking pictures in low-light situations, the built-in flash improves pictures and reduces shadows.
- x.v. Color™ technology for superior color:
.v. Color™ technology enables the HDR-CX520V to capture nearly twice (1.8x) as many viewable colors as the standard RGB color range, resulting in more natural, life-like images. You can even experience this expanded color range on the big screen when you connect your camcorder to x.v. Color capable displays, including a wide range of Sony® BRAVIA® HDTVs.
- HDMI™ connection:
The High-Definition Multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams. HDMI connects digital audio/video sources such as a compatible camcorder, Blu-ray Disc™ player, a personal computer, a video game console, or an AV receiver to a compatible digital audio device and/or video monitor such as a digital television (DTV). HDMI began to appear in 2006 on consumer HDTV, camcorders and high-end digital still cameras.

- BRAVIA® Sync™ technology:
- Auto Lens Cover:
- Dynamic Range Optimizer:

ADDITIONAL FEATURES

- USB 2.0 interface:
- BIONZ™ Image Processor:
- Film Roll Index:
- Face Index function:
- Hybrid Recording to HDD or Memory Stick Duo™ media:
- Burn Direct to DVDirect® express DVD burner (sold separately)
- One Touch Disc Burn:
- Record and zoom controls on LCD frame:



HDR-CX520V

64GB¹ Flash High Definition Camcorder

Specifications

General

Imaging Device: 1/2.88" Exmor R[™] CMOS sensor
 Pixel Gross: 6631K
 Recording Media: 64GB¹ Non-Removable Flash memory
 Memory Stick PRO Duo[™] Media (Sold Separately)
 Recording and Playback Times: 64GB¹ 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

Convenience Features

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 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: 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 panel² Clear Photo Plus LCD display (230k pixels)

Hardware

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, 1/8-1/725; 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 (HVL-10NH)
 Underwater Sports Pack (SPK-HCE)

UPC Code: 02724277590

1. 64GB equals 64 billion bytes. A portion (1.3GB) of the total storage is used for system management and/or application files.
2. This camcorder captures high definition footage in the AVCHD format. High Definition AVCHD discs can be created using standard DVD media, the supplied software and a compatible PC. DVD media containing AVCHD footage may be played on a compatible Blu-ray Disc[™] player/recorder, PC with supplied software or PLAYSTATION[®]3 devices. DVD media containing AVCHD footage should not be used with standard DVD based players, as the DVD player may fail to eject the media and may erase its contents without warning.
3. Viewable area measured diagonally.

4. HD viewing requires compatible HDTV and HDMI[™] cable, both sold separately.
5. Works with other BRAVIA[®] Sync or Theatre Sync[™] labeled HDTVs when connected via HDMI interface.
6. x.v. Color[™] technology is supported only when source product, media and HDTV all support those features.
7. NAVTEQ 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.
9. Requires Microsoft Windows XP SP3/ Windows Vista SP1. Not supported by Mac OS.
10. Smooth Slow Record captures 3 seconds of video which play back over 12 seconds.
12. One Touch Disc Burn feature requires DVD Direct burner (sold separately) or compatible PC with supplied PBM software.

© 2009 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, AccuPower, BIONZ, BRAVIA, Clear Photo LCD Plus, ClearVid, Exmor R, Handycam, InfoLITHIUM, Optical SteadyShot, Smile Shutter, x.v. Color, Memory Stick Duo, Memory Stick PRO Duo, Memory Stick and the Memory Stick logo are trademarks or registered trademarks of Sony Corporation. PlayStation is a registered trademark of Sony Computer Entertainment. Microsoft, Windows, and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries. Blu-ray Disc and its logo are trademarks. Dolby is a registered trademark of Dolby Laboratories. HDMI is a trademark of HDMI Licensing LLC. All other trademarks are trademarks of their respective owners.
 *Logo mentions need to be included if logo shown or listed in copy



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