

The HDR-CX500V employs an advanced "Exmor R" CMOS sensor for excellent low light, 1920 x 1080 high definition video<sup>2</sup> and 12 megapixel still images all to 32GB<sup>1</sup> of internal flash memory. In addition, a built-in GPS receiver Geo-tags<sup>7</sup> 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 quality<sup>2</sup>. The high definition, AVCHD, video produced captured with the HDR-CX500V can be used with the provided Picture Motion Browser software for PC, but is also fully compatible with iMovie® (sold separately) for Mac users.
- 12 megapixel still image capture  
12 megapixel still image capture lets you take stunning, high resolution digital photos
- 32GB<sup>1</sup> Flash memory  
The built-in 32GB<sup>1</sup> embedded Flash Memory can record and store up to 24 hours of high definition video footage (HD LP mode), or up to 42 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-CX500V 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.
- Face Detection technology 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 by selecting the most prominent, automatically controls focus, exposure, and color to help capture smiling faces brightly and clearly. Face Detection technology also helps make skin tones look natural without affecting other colors in the image. On AVCHD models, the camcorder allocates encoding bits on detected face areas prior to encoding other parts of the picture, making them sharper and clearer. In still picture mode, Face Detection technology sets the flash level to optimize picture clarity.
- Smile Shutter™ technology for still and dual capture  
Smile Shutter™ technology lets the camcorder automatically take still photos when your subject smiles, even while shooting high definition video. You can also set the sensitivity and choose child, adult, or auto priority.
- Optical SteadyShot™ image stabilization with Active Mode and 3-Way Shake Canceling  
Optical SteadyShot™ image stabilization with Active Mode represents the next step forward in Sony® image stabilization technology. Active Mode improves on existing Optical SteadyShot™ image stabilization by allowing the camera lens to shift over a greater range of motion. This allows the HDR-CX500V to compensate for greater degrees of camera shake and deliver a stunning level of image smoothness. Taking it a step further, 3-Way Shake-Canceling improves on the highly effective Vertical and Horizontal optical image stabilization by adding electronic roll stability for even smoother video capture.
- Professional-quality Sony® G Lens  
Designed specifically to complement the "Exmor R" CMOS sensor with ClearVid™ array, the professional-quality Sony® G Lens delivers superior optical performance. Extra-low Dispersion (ED) glass reduces chromatic aberration for more accurate color reproduction with less "fringing", and precision ground optics offer stunning resolving power to bring you sharp, amazingly detailed images.

**ADDITIONAL FEATURES**

- 3.0" wide touch panel Clear Photo Plus LCD™ display<sup>3</sup> (230K pixels)
- Power On by opening LCD display
- Highlight Playback
- 12X Optical / 150X Digital Zoom
- Dolby® Digital 5.1ch recording with Built-in Zoom Mic
- Dual Record with 8.3MP still image capture
- PC & Mac Compatibility
- Assignable Dial:
- 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:
- Burn Direct to DVDDirect® express DVD burner (sold separately)
- One Touch Disc Burn:
- Record and zoom controls on LCD frame:
- BRAVIA® Sync™ technology:
- Auto Lens Cover:
- Dynamic Range Optimizer:



# HDR-CX500V

# 32GB<sup>1</sup> Flash High Definition Camcorder

## Specifications

### General

Imaging Device: 1/2.88" Exmor R<sup>™</sup> CMOS sensor  
Pixel Gross: 6631K

Recording Media: 32GB<sup>1</sup> Non-Removable Flash memory;  
Memory Stick PRO Duo<sup>™</sup> Media (Sold Separately)

Recording and Playback Times: 32GB<sup>1</sup> Flash:  
High Definition (5.1ch): FH = up to 225 min., HQ = up to 455 min., SP = up to 575 min., LP = up to 740 min.

Standard Definition (5.1ch): HQ = up to 460 min., SP = up to 680 min., LP = up to 1300 min.

Video Actual: 4150K Pixels (16:9), 3110K Pixels (4:3)

Still Actual: 4500K Pixels (16:9), 6000K Pixels (4:3)

Processor: BIONZ<sup>™</sup> image processor

Video Resolution: 1920 x 1080

Still Picture Resolution: 12 megapixel

### Audio

Recording Format: Dolby<sup>®</sup> Digital 5.1

Microphone: Built-in Zoom Microphone

### Convenience

Accessory Shoe: Yes (Active Interface Shoe)

Memory Stick PRO<sup>™</sup> Media Compatibility: Yes

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<sup>™</sup> w/ Active Mode and 3-way Shake Cancellation

Smile Shutter<sup>™</sup> 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<sup>™</sup> : Yes<sup>6</sup>

BRAVIA<sup>®</sup> Sync<sup>™</sup> : Yes<sup>5</sup>

### 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<sup>™</sup>

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<sup>™</sup> 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<sup>™</sup> 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<sup>®</sup> with AccuPower<sup>™</sup> 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<sup>®</sup> 2000 Professional Service Pack4 (SP4), Windows XP Service Pack3 (SP3) (32bit) Windows Vista<sup>®</sup> Service Pack1 (SP1) (32bit). Not supported by Mac OS.

### Dimensions

Weight: w/o battery: 13oz (370g), w/ battery: 1lb 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 InLITHIUM 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: 027242762545

- 32GB equals 32 billion bytes. A portion (1.3GB) of the total storage is used for system management and/or application files.
- 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<sup>™</sup> player/recorder, PC with supplied software or PLAYSTATION<sup>®</sup>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.
- Viewable area measured diagonally.
- HD viewing requires compatible HDTV and HDMI<sup>™</sup> cable, both sold separately.
- Works with other BRAVIA<sup>®</sup> Sync or Theatre Sync<sup>™</sup> labeled HDTVs when connected via HDMI interface.
- x.v. Color<sup>™</sup> technology is supported only when source product, media and HDTV all support those features.
- 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.
- Picture Motion Browser software requires Microsoft Windows XP SP3/Windows Vista SP1. Picture Motion Browser software not supported by Mac OS. AVCHD recording format is compatible with iMovie<sup>®</sup> 08 or later versions.
- Smooth Slow Record captures 3 seconds of video which play back over 12 seconds.
- One Touch Disc Burn feature requires DVDirect burner (sold separately) or compatible PC with supplied PBM software.

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