

Capture stunning 1920 x 1080 high-definition video² and 12 megapixel still images with the HDR-CX550V, which employs an "Exmor R" CMOS sensor for superior low-light performance and 64GB¹ of embedded flash memory. Optical SteadyShot™ image stabilization with Active Mode and 3-way Shake Canceling enables you to record remarkably smooth video from wide angle to full telephoto shooting.

AVCHD

1920x1080
recording

Full HD
1080

Exmor R
CMOS Sensor

Optical SteadyShot
OPTICAL SteadyShot

G

WIDE
ANGLE

GPS

Smile Shutter

Face
Detection
for video & photo

Touch
Panel

PMB
Picture Motion Browser

BRAVIA
Sync

x.v.Color

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

HYBRID
Memory Stick
movie recording

- 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. Capable of 1080/60p playback via HDMI™ and compatible HDTV⁴ providing stunning clarity and incredibly detailed playback of your memories.
- 12 megapixel still image capture w/ Dual Record:
12 megapixel still image capture lets you take stunning, high resolution digital photos while the Dual record capability lets you capture 8.3 MP still images while shooting high definition video, so you can capture those special moments without having to switch recording modes.
- 64GB¹ Flash memory
The built-in 64GB¹ embedded Flash memory can record and store up to 26 hours of high definition video footage (HD LP mode), or up to 48 hours of standard definition footage (SD LP mode).
- 1/2.88" "Exmor R" CMOS Sensor
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.
- Optical SteadyShot™ w/ Active Mode (Wide to Tele)
Optical SteadyShot™ image stabilization with Active Mode compensates for greater degrees of camera shake to deliver stunningly smooth video from wide angle to full telephoto shooting. In addition, innovative 3-Way Shake-Canceling adds electronic roll stability for even smoother video capture.
- Wide Angle G-Lens (26.3mm) :
Experience the pinnacle of Sony® lens technology with the professional-quality G Lens. Engineered for superior optical performance, Sony G lenses deliver brilliant, accurate color reproduction and sharp, amazingly detailed images. In addition, a short, 26.3mm focal length offers a broader perspective for enhanced wide angle shooting in photo mode and 29.8mm in video mode. The six bladed iris allows for superb shallow depth of field photography.
- Assignable Dial (Iris/Shutter/Exposure/WB/Focus)
- Dolby® Digital 5.1ch recording with Built-in Zoom Mic:
- Dedicated Mic and Headphone inputs:
- Intelligent Auto (iAUTO)
- Face Detection Technology w/ Face Priority
- Golf Shot
- Direct Copy to External Hard Disk Drive¹³
- 10X Optical / 120X Digital Zoom
- Smile Shutter™ technology for still and dual capture:
- Power On by opening LCD display:
- Easy Playback Options:
- Highlight Playback:
- Hybrid Recording to Flash memory or Memory Stick Duo™ media:
- Dual Record with 8.3MP still image capture:
- Includes Sony® PMB (Picture Motion Browser) software:
- Smooth Slow Record:
- x.v. Color™ technology for superior color:
- BIONZ™ Image Processor:
- Record and zoom controls on LCD frame:
- BRAVIA® Sync™ technology:
- Dynamic Range Optimizer:
- Active Interface Shoe:
- Built-in Intelligent Flash:
- Auto Lens Cover:
- HDMI™ connection:
- Media card slot:
- USB 2.0 interface:
- 2x faster Quick AF
- 1080/60p playback via HDMI™ and compatible HDTV⁴
- 3.5" Wide³ Xtra Fine TruBlack LCD (921K) plus viewfinder
- Geotagging⁷ with built-in GPS receiver & NAVTEQ maps:
- Up to 24Mbps AVCHD² video

ADDITIONAL FEATURES



HDR-CX550V

64GB¹ Flash High Definition Camcorder

Specifications

Convenience Features

Manual / Auto Lens Cover: Auto
Quick On: Power On by LCD
S/S & Zoom button on LCD: Yes
Fader Effect(s): Black, White
Red-Eye Reduction: Yes(Menu)

Optics/Lens

Aperture: F1.8-3.4
Filter Diameter: 37mm
Optical Zoom: 10x
Digital Zoom: 120x
Lens Type: G Lens™
Focal Length (35mm equivalent): Photo: 28.7 - 287mm (16:9), 26.3 - 263mm (4:3); Movie: 29.8 - 298mm (16:9), 36.5 - 365mm (4:3)
Minimum Focus Distance: Approx. 320mm

Power

Battery Type: InfolITHIUM® with AccuPower™ Meter System (NP-FV50)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption (in Operation): 3.4W

Software

Operating System Compatibility: "Windows XP SP3 * /Windows Vista SP2 ** /Windows7 * 64-bit editions and Starter (Edition) are not supported. The Windows Image Mastering API (IMAPI) Ver.2.0 or later is required to use the function for creating discs. ** Starter (Edition) are not supported. Standard installation is required. Operation is not assured if the above OS has been upgraded or in a multi-boot environment. "
Supplied Software: PMB Ver.5.00 Supports Windows XP Service Pack3 (SP3) (32bit), Windows Vista Service Pack2 (SP2) (32bit/64bit), Windows 7. Not supported by Mac OS.

LCD Display

LCD Type: 3.5" Xtra Fine LCD™ display (921K³w/TruBlack™ technology

Advanced Features

Face Detection: Yes
Image Stabilization: Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele)
Assignable Dial: Yes
x.v.Color™ : Yes
Smile Shutter™ technology: Yes
Intelligent Auto: Yes (Landscape, Backlight, Twilight, Spotlight, Low light, Macro, Portrait, Baby, Walk, Tripod)
Embedded GPS: Yes
Golf Shot: Yes
NightShot® Infrared System: Yes

Recording

Video Actual (Pixel): 4150K Pixels (16:9), 3110K Pixels (4:3)
Dual Record: 8.3 megapixel
Photo Capture from Movie: Yes
Audio Format: Dolby® Digital 5.1
Microphone/Speaker: Built-in Zoom Microphone
Still Image Max Effective Resolution: 12 megapixel
Still Image Mode: JPEG
Video Format: HD: MPEG4 AVC/H.264; SD: MPEG2
Video Signal: NTSC color, EIA standards
Media Type: 64GB Non-Removeable Flash Memory; Memory Stick PRO Duo™ MARK2 Media and SD/SDHC/SDXC (Class 4) media (Sold Separately)
Recording and Playback Times: 64GB Embedded Flash Memory: High Definition: FX= up to 360 min., FH = up to 465 min., HQ = up to 935 min., LP = up to 1595 min. Standard Definition: HQ = up to 965 min.

Video Resolution: HD: 1920 x 1080/60i;

Exposure System

Minimum Illumination: STD 11 lux@1/60 Shutter Speed
LOW LUX 3 lux@1/30 Shutter Speed Nightshot 0 lux@1/60 shutter speed
Exposure Settings: Yes (Touch Panel)
D-Range Optimizer: Yes
Scene Mode(s): Auto, Twilight, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
White Balance Mode: Auto, Outdoor, Indoor, One Push (via Touch panel)

Interface

Accessory Shoe: Yes (Active Interface Shoe)
Direct Copy: Yes
BRAVIA® Sync™ : Yes
SD Output: Included (via A/V Remote Terminal) ; Video / S Video / Audio / Component Out / Remote
USB Port(s): Hi-speed (2.0 compliant)
HD Output: HDMI (mini)
PhotoTV HD: Yes
Headphone Jack: Yes (Stereo Mini)
Microphone Input: Yes

Imaging Sensor

Processor: BIONZ™ image processor
Effective Picture Resolution: 4500K Pixels (16:9), 6000K Pixels (4:3)
Imaging Sensor: 1/2.88" back-illuminated "Exmor R" CMOS sensor

Flash

Flash Type: Yes (Photo Mode only)
Flash Coverage: Approx. 0.3 - 1.5m
Flash Modes: Yes (Auto/Forced/Prohibited) (Menu) (W/Menu, Anti-redeye on/Anti-red eye off)

Focus Control

Focus System: Full range Auto / Manual (Touch Panel)

Viewfinder

Type: Wide (color 201k)

Service and Warranty Information

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

Dimensions

Weight: w/o battery: 15oz (440g), w battery 1lb 1oz (490g)
Measurements: 2 5/8 x 3 x 5 3/4 inch (66 x 74 x 143mm)

Supplied Accessories

AC adaptor (AC-L200)
Rechargeable Battery Pack (NP-FV50)
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-FV50/FV70/FV100)
AC Adaptor/Charger for H series batteries (AC-VQV10)
Travel Charger (BC-TRV)
HDMI Cable (mini) (VMC-30MHD)
Tripod (VCT-80AV)

UPC Code: 027242788732

1. 64GB equals 64 billion bytes. A portion of the total storage is used for system management and/or application files. The capacity that a user can use is approximately 62.8GB after deleting 650MB of demonstration video.

- This camera 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.
- Viewable area measured diagonally.
- HD viewing requires compatible HDTV and HDMI™ cable, both sold separately.
- Requires BRAVIA Sync feature in each product, including a compatible BRAVIA® HDTV. Please refer to owner's manual to determine compatibility.
- 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.
- Requires Microsoft Windows XP SP3/ Windows Vista SP2/Windows 7. 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).
- Requires USB 2.0 connection via VMC-UAM1 cable (sold separately). AC power for camcorder, and hard drive formatted in FAT-32. Connection via USB-hub not supported. External HDD/USB media should be less than 2TB(Terabytes).

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