

HDR-CX100/B

Palm-size HD camcorder w/ Smile Shutter technology

Capture a smile on Sony® HDR-CX100 Handycam® camcorder with Smile Shutter™ technology, the camcorder that automatically takes photos while you shoot in high-definition video. 8GB¹ of embedded memory lets you record and store up to 3 hours of HD video, or up to 6 hours of standard definition video, while it's compact form brings a new level of portability.

- 1920x1080 high definition video recording:
1920 x1080 high definition resolution lets you record your memories in exceptional Sony® Full High Definition quality².
- 4 megapixel still image capture:
4 megapixel still image capture lets you take high resolution digital photos.
- 8GB embedded memory:
8GB¹ of embedded memory can record and store up to 3 hours of high definition video footage (HD LP mode), or up to almost 6 hours of standard definition footage (SD LP mode).
- Ultra-compact, lightweight design:
The ultra-compact, lightweight HDR-CX100 is designed for maximum portability. Measuring just 2 1/4 x 2 3/8 x 4 1/2 inches and weighing just 11 ounces, the HDR-CX100 makes an ideal travel companion.
- 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.
- 2.7" wide touch panel³
Clear Photo LCD Plus™ display: 2.7" wide (16:9)³ touch panel Clear Photo LCD Plus™ display provides excellent viewing clarity with improved resolution (211K pixels). The display rotates up to 270 degrees for multiple viewing angles, as well as provides sharp, detailed images for monitoring or playback. The convenient touch panel allows easy access to menus and additional functionality such as spot focus and spot metering.
- 1/5" Exmor™ CMOS Sensor with ClearVid™ array
1/5" Exmor™ CMOS Sensor with ClearVid™ array delivers bright, vivid, and exceptionally detailed 2.3 megapixel (effective) video footage, as well as 4 megapixel still images. Exmor™ technology captures images with high resolution and high sensitivity, while the advanced Sony® BIONZ™ image processor improves camera response time and screens out noise so the signal from each pixel is as pure as possible.
- Power On by opening LCD display:
Power on your camcorder by simply opening the LCD display.
- 10X Optical / 120X Digital Zoom:
10X optical zoom helps to bring the action close up from far away. In addition, Digital Zoom Interpolation means that digital zooming (up to 120X) is clearer, with less distortion than previous types of digital zoom.
- Carl Zeiss® Vario-Tessar® lens with SteadyShot™ image stabilization:
The HDR-CX100 features a professional-quality Carl Zeiss® Vario-Tessar® lens designed specifically for compact camcorders. Precision ground optics help maintain the sharpness and contrast of larger lenses, and SteadyShot™ image stabilization helps reduce blur caused by camera shake.
- Built-in zoom microphone:
The built-in zoom microphone focuses audio recording on your subjects with the camera's zoom lens, helping memories ring true with clear dialogue and crisp, discrete sounds.
- 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 record an audio track to narrate the video footage.
- Available in silver, black, or red:
The HDR-CX100 is available in your choice of silver, black, or red.
- Dual Record with 2.3MP still image capture:
Dual record capability lets you capture 2.3MP still images while shooting high definition video, so you can capture those special moments without having to switch recording modes.

ADDITIONAL FEATURES

- x.v. Color™ technology for superior color:
- HDMI™ connection output:
- USB 2.0 interface:
- Includes Sony® PMB (Picture Motion Browser) software:



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Specifications

General

Imaging Device: 1/5" Exmor™ CMOS sensor with ClearVid™ array
 Pixel Gross: 2360K
 Recording Media: 8GB Embedded Flash memory Memory Stick PRO Duo™ Media (Sold Separately)
 Recording and Playback Times: When using 16GB Memory Stick PRO Duo™ Media (sold separately): High Definition: FH = up to 115 min., HQ = up to 230 min. SP = up to 280 min., LP = up to 390 min. Standard Definition: HQ = up to 235 min., SP = up to 340 min., LP = up to 715 min.
 Video Actual: 1430K pixels (16:9), 1080K pixels (4:3)
 Still Actual: 1490K pixels (16:9), 1990K pixels (4:3)
 Processor: BIONZ™ image processor
 Video Resolution: 1920 x 1080
 Still Picture Resolution: 4 megapixel

Audio

Recording Format: Dolby® Digital 2ch
 Audio Format: Dolby® Digital 2ch
 Microphone: Built-in Zoom Microphone

Convenience

Memory Stick PRO™ Media Compatibility: Memory Stick PRO Duo™ Media (Sold Separately)
 Still Image Mode(s): 1190K pixels (4:3)
 Face Detection: Yes
 Hybrid: Yes
 Quick On: Power On by LCD
 Dual Record: 2.3 megapixel
 Dynamic Range Optimizer: Yes
 Scene Mode(s): Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
 Image Stabilization: SteadyShot™ image stabilization
 Smile Shutter™ technology: Yes

Convenience Features

Easy Operation: Yes
 Multiple Language Display: Yes
 Slide Show Mode: Yes
 Fader Effect(s): Black, White
 Face Index: Yes
 Film Roll Index: Yes
 Photo Capture from Movie: Yes
 Dubbing Button: Yes
 x.v.Color™ : Yes
 BRAVIA® Sync™ : Yes

Video

Format: HD: MPEG4 AVC/H.264 (AVCHD) SD: MPEG2
 Video Signal: 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): Included (via A/V Remote Terminal)
 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

Display

LCD Screen: 2.7" wide touch panel Clear Photo LCD Plus™ display (211k pixels)

Hardware

Memory Stick slot: Memory Stick PRO Duo™ Media¹
 Manual / Auto Lens Cover: Manual
 S/S & Zoom button on LCD: Yes

Optics/Lens

35mm Equivalent: 42-497mm (16:9), 52-608mm (4:3)
 Aperture: F1.8-2.2
 Exposure: Yes (Touch Panel)
 Filter Diameter: 30mm
 Focal Distance: 3.2-32mm
 Focus: Full range Auto / Manual
 Shutter Speed: Auto (Slow Shutter ON), 1/30-1/1000; Auto (Slow Shutter OFF), 1/60-1/1000; Scene Selection, 1/2-1/1000; Smooth Slow Rec, 1/240 - 1/1000
 Optical Zoom: 10x
 Digital Zoom: 120x
 Resolution: 4 megapixel still
 Lens Type: Carl Zeiss® Vario-Tessar®
 Minimum Illumination: 5 lux (Auto Slow Shutter ON, 1/30 Shutter Speed)

Power

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH50)
 Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
 Power Consumption (in Operation): 3.5W

Service and Warranty Information

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

Software

Supplied Software: PMB Ver.4.2.00 Supports Windows 2000 Professional Service Pack4 (SP4), Windows XP Service Pack3 (SP3)(32bit) Windows Vista Service Pack1 (SP1) (32bit/64bit). Not supported by Mac OS

Dimensions

Weight: w/o battery: 9oz (280g), w battery: 11oz (330g)
 Measurements: 2 1/4 x 2 3/8 x 4 1/2 inch (55 x 60 x 114mm)

Supplied Accessories

AC adaptor (AC-L200)
 Rechargeable Battery Pack (NP-FH50)
 Component A/V Cable
 A/V Connecting Cable
 Application Software / USB Driver / (CD-ROM)
 USB Cable

Optional Accessories

Rechargeable InfoLITHIUM Batteries (NP-FH50/FH70/FH100)
 Starter Kit (ACC-ASH6, ACC-HDH6)
 AC Adaptor/Charger for H series batteries (AC-VQH10)
 Travel Charger (BC-TRP)
 Wide Angle Conversion Lens (VCL-HGE07A)
 HDMI Cable (mini) (VMC-30MHD)
 Tripod (VCT-80AV)
 Video Light (HVL-10NH)
 GPS Unit (GPS-CS3KA)

Color: Black
 UPC Code: 027242765023

1. When measuring media capacity, 8GB equals 8 billion bytes, a portion of which is used for system management and/or application files. The capacity that a user can use is approximately 7.83GB.
2. 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.
3. Viewable area measured diagonally.
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.
13. Non-metric weights and measurements are approximate and may vary.

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