

Capture stunning 1920 x 1080 Full HD video<sup>2</sup> and 3.0 megapixel images with the ultra-compact HDR-CX110, which features an "Exmor R" CMOS sensor for superior low-light performance and a Carl Zeiss® Vario Tessar 25x optical zoom lens to help bring you closer to the action.

- 1920x1080 high definition video recording:  
1920 x1080 high definition resolution lets you record your memories in exceptional Sony® Full High Definition quality<sup>2</sup>.
- 3 megapixel still image capture:  
3 megapixel still image capture lets you take high resolution digital photos.
- 1/4" back-illuminated "Exmor R" CMOS sensor  
A 1/4" "Exmor R" CMOS image sensor delivers bright, vivid, spectacularly detailed video footage, as well as 3 megapixel still images. 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 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.
- 2x faster Quick AF  
With the new and improved autofocus (AF) system, Quick AF, the focusing speed is twice as fast compared to previous models. Whether in bright daylight or in dimly lit environment, Quick AF ensures fast, accurate, and consistent focus lock, enabling users to shoot in a wide range of scenes without missing any important moment. Especially when shooting night scenes where conventional AF might struggle to focus, thanks to the much improved AF algorithm in Quick AF, users can now capture crisp images, fast.
- 1080/60p playback via HDMI™ and compatible HDTV<sup>4</sup>  
1080/60p playback via HDMI™ and compatible HDTV<sup>4</sup> providing stunning clarity and incredibly detailed playback of your memories.
- Professional-quality Carl Zeiss® Vario Tessar Lens:  
Carl Zeiss® Vario Tessar lenses use highly advanced optics to deliver vivid image brilliance, true-to-life color saturation, and perfect renditions of subtle tones.
- Face Detection Technology with Face Priority  
With Face Priority, your camcorder optimizes focus, color, exposure, and Smile Shutter™ technology for the face you prioritize. Just touch the preferred face on the LCD display and the camcorder will assign it priority, even if it leaves and returns to the frame.
- 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.
- Direct Copy to external HDD w/o PC<sup>13</sup>  
Store your memories in a whole new way with the ability to copy videos from your camcorder directly to an external hard disk drive<sup>13</sup> (sold separately), all without a computer. Your camcorder can also access videos stored on the external hard drive for playback on your HDTV, allowing you to utilize the camcorder's handy playback features.

**ADDITIONAL FEATURES**

- Highlight Playback with Highlight Scenario playback
- 2.7" Clear Photo™ LCD (230 K) display<sup>3</sup> :
- Intelligent Auto (9 iAUTO modes)
- SteadyShot® image stabilization with Active Mode:
- 25X Optical / 300X Digital Zoom:
- Power On by opening LCD display:
- Personalized "My Menu" System
- Dolby® Digital stereo recording with Built-in Zoom Mic:
- Dual Record with still image capture:
- Face Index function:
- Film Roll Index:
- Includes Sony® PMB (Picture Motion Browser) software:
- x.v. Color™ technology for superior color:
- BIONZ™ Image Processor:
- Dynamic Range Optimizer:
- One Touch Disc Burn:
- Record and zoom controls on LCD:
- BRAVIA® Sync™ technology:
- Active Interface Shoe:
- HDMI™ connection output:
- USB 2.0 interface:



MEMORY STICK DUO



AVCHD



# HDR-CX110/R

## High Definition Flash Camcorder

### Specifications

#### General

Pixel Gross: 4200K

#### Convenience Features

Multiple Language Display: Yes  
Manual / Auto Lens Cover: Manual  
Quick On: Power On by LCD  
S/S & Zoom button on LCD: Yes  
Fader Effect(s): Black, White

#### Optics/Lens

Aperture: F1.8-3.2  
Filter Diameter: 30mm  
Focal Distance: 2.5 - 62.5mm  
Progressive Shutter Mode: Yes (Still Image)  
Shutter Speed: Auto (Slow Shutter ON), 1/30 - 1/250;  
Auto (Slow Shutter OFF) 1/60 - 1/250;  
Scene Selection, 1/2 - 1/500  
Optical Zoom: 25x  
Digital Zoom: 300x  
Resolution: 3 megapixel still  
Lens Type: Carl Zeiss® Vario-Tessar®  
Focal Length (35mm equivalent): 37 - 1075mm (16:9), 45 - 1325mm (4:3)

#### Power

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FV50)  
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)  
Power Consumption (in Operation): 3.0W

#### 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. 5.0 Supports Windows XP Service Pack3 (SP3) (32bit)/Windows Vista SP2/Windows 7  
Windows Vista Service Pack1 (SP1) (32bit/64bit). Not supported by Mac OS.

#### LCD Display

LCD Type: 2.7" Clear Photo™ LCD (230 K) display<sup>3</sup>

#### Advanced Features

Face Detection: Yes - video and still  
Image Stabilization: SteadyShot® image stabilization w/ Active Mode  
x.v.Color™ : Yes  
Smile Shutter™ technology: Yes  
Intelligent Auto: Yes (Auto, Landscape, Backlight, Twilight, Spotlight, Low light, Macro, Portrait, Baby, Tripod)

#### Recording

Video Actual (Pixel): 1350K Pixels (16:9)  
1010K Pixels (4:3)  
Dual Record: 2.7 megapixel (16:9)  
Photo Capture from Movie: Yes  
Audio Format: Dolby® Digital 2ch  
Microphone/Speaker: Built-in Zoom Microphone  
Still Image Max Effective Resolution: 3 megapixel  
Still Image Mode: JPEG  
Video Format: HD: MPEG4 AVC/H.264; SD: MPEG2  
Video Signal: HD: 1920 x 1080/60i; SD: NTSC color, EIA standards  
Media Type: Memory Stick PRO Duo™ MARK2 Media and SD/SDHC/SDXC (Class 4) media (Sold Separately)

#### Exposure System

Minimum Illumination: 5 lux  
(Auto Slow Shutter ON, 1/30 Shutter Speed )  
Exposure Settings: Yes (Touch Panel)  
D-Range Optimizer: Yes  
Scene Mode(s): Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow  
White Balance Mode: Auto, Outdoor, Indoor, One Push (via Touch panel)

#### Interface

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

#### Imaging Sensor

Processor: BIONZ™ image processor  
Effective Picture Resolution: 1180K Pixels (16:9)  
1570K Pixels (4:3)  
Imaging Sensor: 1/4" back-illuminated "Exmor R" CMOS sensor

#### Focus Control

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

#### Service and Warranty Information

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

#### Dimensions

Weight: w/o battery: 7oz (210g), w battery: 9oz (260g)  
Measurements: 2 x 2 1/4 x 4 1/2 inch (50 x 56 x 114mm)

#### Supplied Accessories

AC adaptor (AC-L200)  
Rechargeable Battery Pack (NP-FV50)  
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)

UPC Code: 027242788770

1. 16GB equals 16 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. Requires BRAVIA Sync feature in each product, including a compatible BRAVIA® HDTV. Please refer to owner's manual to determine compatibility.
7. By using Picture Motion Browser software, supplied with certain Sony cameras and camcorders\*, a PC and a broadband Internet connection, your photos 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 SP2/Windows 7. 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 DVDirect burner or compatible PC with supplied PBM software (sold separately).

13. 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).

© 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 Source for more information at [www.sony.com/dealersource](http://www.sony.com/dealersource)