

The ultra-compact DCR-SX83 is the first standard definition camcorder to feature the advanced "Exmor R" CMOS sensor, which delivers stunning low-light sensitivity with improved image clarity and reduced noise. In addition, 16GB¹ of embedded flash memory give you room to capture and store up to 44 hours of video, while a 25x optical/300x digital zoom lens helps capture close-ups from far away.

- 1/4" 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.
- 16GB embedded memory:
16GB¹ of embedded memory can record and store up to almost 12 hours of video footage (SD LP mode).
- 25X Optical / 300X Digital Zoom:
Ideal for sporting events, wildlife, or distance shooting, 25X optical zoom brings you closer to the action, so you can capture extremely tight shots, even from far away. In addition, Digital Zoom Interpolation means that extreme digital zooming (up to 300X) is clearer, with less distortion than previous types of digital zooms.
- Carl Zeiss® Vario-Tessar® lens with SteadyShot™ :
The DCR-SX83 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.
- SteadyShot™ image stabilization with Active Mode
SteadyShot™ image stabilization with Active Mode helps reduce blur caused by camera shake.
- 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.
- Face Detection technology w/ Face Priority
With Face Priority, your camcorder optimizes focus, color, exposure, 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 PC¹⁰
Store your memories in a whole new way with the ability to copy videos from your camcorder directly to an external hard disk drive¹⁰ (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.
- Direct connection to DVDirect® Express DVD burner (sold separately):
The DCR-SX83 supports a direct connection to the VRD-P1 DVDirect® Express DVD burner (sold separately), which allows you to burn DVDs directly from your camcorder without the need for a PC. And because the VRD-P1 is powered by your camcorder, you only need to plug in your camera to AC power.
- 2.7" Clear Photo™ LCD³ (230 K) display
The 2.7" Clear Photo™ LCD³ (230 K) display provides exceptional viewing clarity with 230K pixels resolution. 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.

ADDITIONAL FEATURES

- Intelligent Auto (9 iAuto modes)
- Power On by opening LCD display:
- Dolby® Digital stereo recording with Built-in Zoom Mic:
- Includes Sony® PMB (Picture Motion Browser) software:
- Film Roll Index:
- Face Index function:
- Hybrid Recording to 16GB¹ memory or Removable flash media (sold separately):
- Media Card Slot
- USB 2.0 interface:



DCR-SX83

Ultra-compact camcorder w/ 16GB¹ flash memory

Specifications

Convenience Features

Manual / Auto Lens Cover: Manual
Quick On: Yes
S/S & Zoom button on LCD: Yes
Fader Effect(s): Black, White
Face Index: Yes
Film Roll Index: Yes

Optics/Lens

Aperture: F1.8-3.2
Optical Zoom: 25x
Digital Zoom: 300x
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-FV30)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption (in Operation): 2.0W

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 Service Pack2 (SP2) (32bit), Windows 7, 64 bit editions and Starter (Edition) are not supported. Not supported by Mac OS.

LCD Display

LCD Type: 2.7" Clear Photo™ LCD¹ (230 K) display

Advanced Features

Face Detection: Yes
Image Stabilization: SteadyShot® image stabilization with Active Mode
Smile Shutter™ technology: Yes
Intelligent Auto: Landscape, Backlight, Twilight, Spotlight, Low Light, Macro, Portrait, Baby, Tripod

Recording

Video Actual (Pixel): 1350K pixels (16:9), 1010K pixels (4:3)
Photo Capture from Movie: Yes
Audio Format: Dolby® Digital 2ch stereo
Microphone/Speaker: Built-in Zoom Microphone
Still Image Max Effective Resolution: 3.1MP
Still Image Mode: JPEG
Video Format: SD (MPEG2)
Video Signal: NTSC color, EIA standards
Media Type: 16GB Embedded Flash memory; Memory Stick PRO Duo™ MARK2 Media and SD/SDHC/SDXC (Class 4) media (Sold Separately)
Recording and Playback Times: Standard Definition: HQ = up to 235 min., SP = up to 340 min., LP = up to 715 min.
When using 16GB Memory Stick PRO Duo™ Media (sold separately): Standard Definition: HQ = up to 235 min., SP = up to 340 min., LP = up to 715 min.
Video Resolution: 720 x 480

Exposure System

Minimum Illumination: 3 lux
(Auto Slow Shutter ON, 1/30 Shutter Speed)
Exposure Settings: Yes (Touch Panel)
Scene Mode(s): Auto, Twilight, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow

Interface

Direct Copy: Yes
SD Output: Included (via A/V Remote Terminal) : Video / S Video / Audio
USB Port(s): Hi-speed (2.0 compliant)

Imaging Sensor

Processor: BIONZ
Effective Picture Resolution: 1180K pixels (16:9), 1570K pixels (4:3)
Imaging Sensor: 1/4" back-illuminated "Exmor R" CMOS sensor
Pixel Gross: 4200K

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: 8oz (250g), w battery: 10oz (290g)
Measurements: 2 x 2 3/8 x 1 1/4 inch (53 x 59 x 113mm)

Supplied Accessories

AC adaptor (AC-L200)
Rechargeable Battery Pack (NPF-FV30)
A/V Connecting Cable
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)
Tripod (VCT-80AV)
GPS Unit (GPS-CS3KA)

UPC Code: 027242788848

1. 16GB equals 16 billion bytes, a portion of which is used for system management and/or application files. Available capacity is approximately 15.5GB.
3. Viewable area measured diagonally.
9. Requires Microsoft Windows XP SP3/ Windows Vista SP2/ Windows 7. Not supported by Mac OS.
10. 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).
12. One Touch Disc Burn feature requires DVDDirect burner or compatible PC with supplied PMB software (sold separately).

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