

NEW

Cyber-shot® Digital Still Camera

▲ Step-up Feature

◆ New Feature



MEMORY STICK®



The Sony Cyber-shot® DSC-R1 is the world's first camera (as of Sept. '05) to combine a huge APS-class image sensor with Live Preview. The result is a combination of compact size, versatility and superb picture quality. At more than 12 times the size of the typical sensor, Sony's APS class CMOS sensor delivers high sensitivity, low noise and a phenomenal 10.3 megapixels of resolution.

▲◆ 10.3 Megapixel CMOS image sensor

Sony's first digital camera with a Complementary Metal Oxide Semiconductor (CMOS) image sensor, the DSC-R1 delivers fabulous detail, perfect for giant, poster-sized prints, professional 4-color offset printing and other advanced applications.

▲◆ Full-Time Live Preview

Pros count on being able to see what the camera sees. Live Preview of the scene in the electronic viewfinder and LCD monitor shows 100% framing accuracy for total confidence. You can preview exposure and depth of focus so you know what you're getting before you take the shot!

▲◆ Carl Zeiss® Vario-Sonnar® 5X Optical Zoom Lens

The 5X Optical Zoom lens covers an incredible range from an ultra-wide 24 mm to 120 mm (35mm equivalent). Exclusive Zeiss T* (T-star) coatings reduce internal reflections, suppress lens "flare" and improve image contrast.

- Remarkably Wide 24mm Angle (35mm Equivalent)

Captures scenic and group photos beyond the reach of most D-SLR zoom lenses.

- 0-15X Smart Zoom™ Feature (at VGA Resolution)

The Smart Zoom feature intelligently uses the CMOS imager to let you zoom into the portion of interest by cropping the image size—thus avoiding the image degradation of Digital Zooms.

- Real Imaging Processor™ Technology

The innovative Real Imaging Processor in the DSC-R1 not only improves picture quality and clarity but also improves camera response time, decreases shutter lag and improves battery stamina.

▲◆ Three Color Modes and RAW Capture

Choose standard sRGB for accuracy, Vivid sRGB to emulate reversal film, or Adobe RGB for advanced applications. RAW mode brings the latent image into the digital darkroom. RAW files must be converted with Sony's Image Data Converter SRF software.

▲◆ Advanced Gradation Control System (AGCS)

Enhances dynamic range, avoids crushed shadow detail and clipped highlights.

- Eye-Level Electronic TTL Viewfinder.

SLR-style shooting gives you a more stable shooting platform, with elbows tucked in to reduce camera shake.

- 14-Bit DXP A/D Conversion

Sony's 14-bit Digital Extended Processor captures the range between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

▲◆ Free-Angle 2.0" LCD Monitor.

The DSC includes a built-in 2.0 LCD monitor that turns and twists through a wide range. Hold the camera overhead, position it at your waist, even lower it to the floor to get your shot easily.

▲◆ Advanced Viewfinder/Monitor Displays.

Choose grid lines, zebra stripes and histogram. Enjoy full-time exposure indication of aperture, shutter speed and Exposure Value over/under.

- Advanced Creative Control.

Aperture Priority, Shutter Priority, Program shift, EV compensation and full manual exposure control allow you to adjust quickly for a wide range of shooting situations. Capture fast action, control depth of field and more.

▲◆ Versatile Manual Exposure.

Adjust the aperture from F2.8-16. Set the shutter from 30 seconds to 1/2000 second, or choose Bulb exposure for up to 3 minutes! Adjust ISO from 160 to 3200. Choose Auto White Balance then fine-tune color temperature by hand.

▲◆ Live Histogram Display and RGB Playback

Available in capture and playback the Live Histogram displays the concentration of pixels at each luminosity value making it easy to evaluate correct exposure. Histogram in Playback mode also includes RGB information

- 5 Area Multi-Point AF System

By evaluating 5 separate focus areas of the frame, Sony's Multi-Point AF system can intelligently focus on the subject and avoid mistakenly focusing on the background. In addition, you can manually select a point, or position a point anywhere in the frame with Flexible Spot AF.

- Manual Exposure Control

Flexible Exposure control is provided with Aperture Priority (f2.0–16.0), Shutter Priority (30sec–1/3200 sec) and Manual Exposure modes. Exposure Value Compensation (EV) and Flash output level control allow for even more control over your images.

- Slow Shutter Noise Reduction

During long exposures, those longer than 1/25 second, the camera captures two exposures with each press of the shutter button. The first exposure captures the scene, and the second exposure captures the CCD noise pattern with a dark frame exposure. By subtracting the two, even long exposures can be clear.



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Cyber-shot

Cyber-shot® Digital Still Camera

additional features

- Raw Mode
- Memory Stick® and Memory Stick PRO™ Media
- Dual Media Capability
- Conversion Lens Compatible
- PictBridge™ Compatibility
- Adjustable Color Saturation/Contrast
- Video Output
- Clear Color/Clear Luminance NR
- Supports High Speed USB 2.02

specifications

Imaging Device: 1/1.6" 10.3 (effective) CMOS Sensor; 21.5 x 14.4 mm effective; RGB primary color filter

Chipset: Real Imaging Processor™ LSI with Advanced Gradation Control System (AGCS)

Recording Media: Memory Stick®/Memory Stick PRO™ media; CompactFlash™ Type I/ CompactFlash Type II / Microdrive™ media

Lens Type: Carl Zeiss, Vario Sonnar T*; 12 elements in 10 groups (4 aspherical)

Zoom: 5x Optical (Mechanical Manual); 10x Precision Digital Zoom, Smart Zoom
Feature: 1-15.0X (at 1 Megapixel Resolution)

Filter Diameter: 67 mm filter diameter

Focal Length: 14.3 mm-71.5 mm

35mm Conversion: 24 mm-120 mm

Aperture: F2.4-4.8 (minimum F16)

Aperture Range: 16-step F2.8~16.0

Focus: 5 Area Multi-Point AF, Center AF, Flexible Spot, Manual Focus select

Focal Distance: Macro Mode: WIDE:

1-3/8"-infinity (35 mm-infinity); TELE:

1-6/8"-infinity (40 mm-infinity)

Focal Length: Minimum Focal Distance: 19.7"

(50cm), Macro: 13.7" (35 cm)

Shutter Speed: 49-step 30 ~ 1/2000 sec, with

Bulb (up to 3 minutes)

Exposure: Manual Exposure: Yes, w/EV indicator

EV Compensation: ±2.0 EV, 1/3 EV Steps

ISO: Auto/160/200/400/800/1600/3200

LCD: 2.0-inch TFT (134k pixels) Free Angle LCD (Upward 85 degrees, Downward 20 degrees, Right/Left 90 degrees), Eye-Level Finder: 0.44 inches (235k pixels); 100% coverage; Eye sensor

Display: Histogram: Yes, Live, RGB Playback

Microphone/Speaker: No/ Yes (Dynamic)

Red-Eye Reduction: Yes: On/ Off

White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent, Flash, One Push (White Balance Adjustment: -3/+3 IRE, by step)

Burst Mode: 3-shot, 3fps, 10MP

Picture Effects: Sepia, Black & White

Scene Modes: Twilight, Twilight Portrait, Portrait, Landscape

Self Timer: Yes, 10 Seconds

Still Image Mode(s): Normal (JPEG)

Fine/Standard), High-speed Burst (JPEG), RAW (.SR2)

Memory Stick PRO™ Media

Compatibility: Tested to support up to 4GB media capacity; does not support Access Control security function

Flash Modes: Auto, Forced Flash, No Flash, Slow Synchro, Rear Synchro

Flash Effective Range: WIDE 1'8"-12'10" (0.5-3.9 m); TELE: 1'8"-7'10" (0.5-2.4 m)

Output(s): Video: Yes, NTSC/PAL Selectable

USB Port(s): Yes, Supports USB 2.0²

Battery Type: NP-FM50 InfoLithium® rechargeable battery

Battery Capacity: CIPA standard: approx. 500 pictures with supplied NP-FM50 InfoLithium® battery³

Supplied Software: Picture Package™ for Sony v1.6 (Windows), Pixela™ ImageMixer VCD2 (Macintosh), Sony Image Data Converter SRF Ver. 1.0 (Windows & Macintosh), USB Driver

Operating System Compatibility: Microsoft® Windows® 98, 98SE, 2000 Professional, ME, XP Home and Professional; Macintosh® OS X (v 10.1.5 or later). OS must be installed at the factory.

Limited Warranty: 1 Year Parts & Labor

Weight: 2lbs 2 oz (926 g) body; 2 lbs., 6 oz.

(1047 g) including battery and Memory Stick media

Dimensions (WHD): (WHD) 5 1/2" x 3 7/8" x 6 1/8" (139.4 x 97.7 x 156 mm)

Supplied Accessories: NP-FM50 InfoLithium Battery

AC-L15 AC Adapter

Video Cable

USB Cable

Sony Picture Package software

Sony Image Data Converter .SRF software

Neck Strap

NOTE: No Memory Stick media or adapters are included.

UPC Code: 0272426796270

service and warranty

Limited Warranty: 1 Year Parts & Labor

optional accessories

NP-FM50 spare InfoLithium® battery

HVL-RLA, HVL-F36Z, HVL-F32X, HVL-F1000 flashes

STP-SA neck strap

LCS-CSE, LCJ-RA, LCS-RA, LCH-RA carrying cases

VCT-D680RM, VCT-1500L tripods



STILL IMAGE MODE

Fine/Standard Recording Capacities

| Memory Stick® Media | 10MP (3:2) | 7MP (3:2) | 5MP (3:2) | 3MP (3:2) | 1MP (3:2) |
|--------------------------------|------------|-----------|-----------|-----------|-------------|
| 32MB | 6/12 | 8/15 | 12/24 | 20/40 | 59/122 |
| 64MB | 12/25 | 16/30 | 24/49 | 41/82 | 115/246 |
| 128MB | 25/51 | 32/60 | 49/89 | 82/164 | 232/493 |
| Memory Stick PRO™ Media | | | | | |
| 256MB | 46/92 | 59/109 | 89/178 | 148/297 | 420/892 |
| 512MB | 94/188 | 121/223 | 180/363 | 302/605 | 854/1815 |
| 1GB | 192/384 | 247/456 | 370/741 | 617/1235 | 1743/3705 |
| 2GB | 394/789 | 506/934 | 759/1519 | 1266/2532 | 3574/7596 |
| 4GB | 779/1559 | 100/1847 | 1500/3001 | 2501/5003 | 7063/15009 |
| Microdrive | | | | | |
| 1GB | 213/426 | 273/505 | 410/821 | 684/1369 | 1933/4108 |
| 2GB | 405/811 | 520/961 | 780/1561 | 1301/2603 | 3675/7809 |
| 4GB | 811/1622 | 1041/1922 | 1561/3123 | 2603/5206 | 7349/15618 |
| 6GB | 1217/2434 | 1562/2883 | 2343/4686 | 3905/7810 | 11026/23431 |
| Memory Stick® Media | | | | | |
| 32MB | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| 64MB | 2/2 | 2/2 | 2/2 | 2/2 | 2/3 |
| 128MB | 4/5 | 5/5 | 5/5 | 5/5 | 5/6 |
| Memory Stick PRO™ Media | | | | | |
| 256MB | 8/9 | 9/10 | 9/10 | 10/10 | 10/10 |
| 512MB | 18/20 | 19/20 | 20/21 | 21/21 | 22/22 |
| 1GB | 37/41 | 38/41 | 41/43 | 42/44 | 44/45 |
| 2GB | 76/84 | 79/85 | 84/89 | 88/91 | 92/93 |
| 4GB | 150/167 | 157/169 | 166/176 | 174/180 | 182/184 |
| Microdrive | | | | | |
| 1GB | 41/45 | 43/46 | 45/48 | 47/49 | 49/50 |
| 2GB | 78/86 | 81/88 | 86/91 | 90/93 | 94/96 |
| 4GB | 156/173 | 163/176 | 173/183 | 181/187 | 189/192 |
| 6GB | 235/260 | 245/265 | 259/274 | 271/281 | 284/288 |

RM-VD1, RM-DR1 remote controls

VAD-RA conversion lens adaptor

VCL-DEH17R tele conversion lens

VCL-DEH08R wide angle conversion lens

VCL-M3367 close-up adapter

VF-67CP polarization filter

VF-67ND neutral density filter

VF-67MP protection filter

MHS-128, MSX-256S, 256N, 512S, 512N, 1GS,

1GN, 2GN, 4GN Memory Stick® adapters

MSAC-PC4, USM1, US30 Memory Stick adapters

1. Recording numbers are approximate and will vary depending upon the images. Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is: 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940MB, 2GB=1,850MB, 4GB=3,66GB.

2. Not all products with USB connectors may communicate with each other due to chipset variations.

3. Under Average Conditions: Normal Mode (JPEG), Picture quality Fine; Shooting each image at 30 second intervals; Flash operated every other shot; Power is turned on/off after every 10 shots. Actual results may vary on conditions of use.

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Non-metric weights and measures are approximate.

All screen images simulated.

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