

DSC-RX1/B

The professional's compact camera.



24.3 MP 35 mm Full Frame Sensor

A whole new world of high-quality images are realized through the 24.3 MP effective 35 mm full-frame sensor, a normal sensor range of ISO 100 – 25600, and a sophisticated balance of high resolving power, gradation and low noise. The BIONZ® image processor enables up to 5 fps high-speed continuous shooting and 14-bit RAW image data recording.

Bright F2.0 Carl Zeiss® Sonnar T* lens

Newly developed large-diameter F2.0 Carl Zeiss® Sonnar T* lens delivers refined background defocusing – bokeh, and macro capabilities. A premium multi-layered T* coating also dramatically reduces ghost and flare caused by light reflection.

World's first fixed lens 35mm camera

The DSC-RX1 is the world's first fixed lens 35 mm full-frame digital camera which offers an uncompromising design that focuses on an intuitive, user-friendly operation. The camera fits in the palm of a hand and allows users to carry it nearly everywhere to capture any shooting opportunity that arises.

Full HD 24p video

Full HD 24p video with manual control and audio input.¹ For creative flexibility while shooting movies and stills, users can enter Program Auto (P), Aperture Priority (A), Shutter Speed Priority (S) or Manual Exposure (M) mode for manual shooting and exposure control. Enjoy clear sound recording and playback via built-in stereo microphone and mono speaker. Additionally, an optional microphone can be plugged into the camera.

Amazing Low-light performance

Experience incredible low-light shooting without a flash. The camera captures six images in a fraction of a second. Combining the data from all six, it creates a single image with a reduction in noise equivalent to two additional steps of ISO sensitivity. Sensitivity selectable up to ISO 25600. (Recommended for still subjects.)

High speed Auto Focus

Focus as fast as 0.13 seconds with high speed AF. To improve focusing speed and sensitivity, the Exmor® CMOS sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor, which provides intelligent response data to a new high speed actuator motor in the lens. The result is fast, DSLR-like focusing speeds even in low light.

Full frame burst shooting

High speed continuous shooting at up to 5 frames per second (fps) is made possible by the BIONZ® processor and 24 megapixel sensor.

Three control lens rings

Full manual operation is intuitive on the RX1. Users can keep their eyes on the subject and concentrate on the composition while comfortably adjusting the dedicated aperture, focusing, and macro switching rings.

Conveniently placed dials

Quick access to conveniently placed exposure compensation and focus mode dials.

Quick Navi – settings at a glance

Quick Navi enhances direct control of your favorite functions. Pressing the Fn button activates Quick Navi, which allows the user to check camera settings at a glance and promptly change settings without having to search for dedicated menus.

Memory recall

MR (memory recall) mode can memorize up to three groups of the user's preferred settings. Settings include zoom magnification, white balance, exposure compensation, shutter speed, drive mode and metering modes. This enables quick switching of settings at the right moment.

Nine aperture blades

Nine aperture blades form a nearly perfect circle throughout the normally used aperture range of F2 to F22, resulting in background defocusing that is smooth and genuinely beautiful.

Expandable with multi interface shoe

The multi interface shoe allows easy connection with wide-ranging accessories expanding the range of photographic expression. Available accessories include a powerful external flash unit, electronic viewfinder,

3" Xtra Fine LCD™ Display

The 3" (1,229k dots) Xtra Fine LCD™ Display makes it easy to scroll through menus and preview live Picture Effects. WhiteMagic™ technology increases visibility in bright daylight. The large display delivers brilliant-quality still images and movies while enabling easy focusing operation.

Auto HDR mode

Captures more scene dynamic range than a single exposure can handle—and more range than photo film. Combines the best highlight detail from one shot, the best mid-tones from a second and the best shadow detail from a third for one incredible shot (up to 6 EV stops), all in a split second. (Recommended for still subjects.)

Dual-aspect ratio recording for still images

Capture still images in either 3:2 or 16:9 aspect ratio. This provides the freedom to choose a ratio that matches the scene or the specific shooting purpose.

Built in pop up flash

Enjoy the convenience of flash photography everywhere you go. Guide number is approximately 6*. Choose from Auto, Slow Sync, Rear Sync, Fill-flash and Flash Off modes.

Capture JPEG files, RAW files, or both

The DSC-RX1 saves pictures as compact JPEG files and/or ultra-high quality RAW files. RAW files save images prior to de-mosaicing, white balance, sharpness and color enhancement. This retains maximum latitude for enhancing the image on your PC.

Four focusing modes

This camera has two Autofocus modes: Single-shot AF (AF-S) or Continuous AF (AF-C), which tracks moving objects. It also has Manual Focus for manual focusing freedom, and Direct Manual Focus (DMF), that first uses autofocus to focus on the subject, and then allows fast and easy switching to manual focusing for even more precise adjustment.

Digital level gauge

Digital level gauge to allow easier leveling of the camera

MF assist and peaking

Manual focus becomes much easier because peaking highlights the edges that are in focus in your choice of three colors (white, red, or yellow). This is especially helpful during macro or portrait photography where your focus setting can make or break your shot.

Creative Style settings

Control how the camera processes your images with 15 finishing styles: Standard, Vivid, Neutral, Clear, Deep, Light, Twilight, Night View, Autumn Leaves, B&W, Sepia, Sunset, Portrait and Landscape. You can even fine-tune contrast, saturation³, and sharpness to your personal taste.

Picture Effect mode

Realize your creative potential with Picture Effect, a fun and simple way to convert ordinary landscapes and portraits come to life by heightening mood and emphasizing certain attributes. Effects are Soft Focus, Posterization, Retro Photo, High Contrast Monochrome, Rich-tone Monochrome, Miniature, Soft High-key, Toy Camera, Pop Color, Partial Color, Watercolor Painting, HDR Painting, and Illustration.

Sweep Panorama™ Mode

Capture expansive landscapes automatically. Press the shutter, sweep vertically or horizontally. The camera does the rest, continuously shooting images and stitching them together.

Face Detection/ Registration technology

The camera can automatically detect and register up to eight individual faces and adjust focus, exposure, white balance and flash to help deliver crisp, properly lit images of family and friends. Can prioritize children or adults

Auto portrait framing

Simply photograph a person and Auto Portrait Framing will save an additional, optimally framed image in portrait or landscape orientation. Combining Face Detection and By Pixel Super Resolution technologies with rule of thirds, Auto Portrait Framing provides beautifully composed and appealingly balanced full resolution portraits.

Specifications

Camera Type	Professional compact digital camera.
Imaging Sensor	35mm full-frame (35.8mm x 23.9mm) Exmor™ CMOS Sensor, aspect ratio 3:2
Pixel Gross	24.7MP (approx.)
Effective Picture Resolution	24.3MP (approx.)
Media Type	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PRO-HG Duo, SD Memory Card, SDHC Memory Card, SDXC Memory Card
Still Image Mode	JPEG, RAW (Sony ARW 2.3 format)
Still Image Size 16:9	(16:9) L: 20M (6000 x 3376) / M: 8.7M (3936 x 2216) / S: 3.9M (2640 x 1488)
Still Image Size 3:2	(3:2) L: 24M (6000 x 4000) / M: 10M (3936 x 2624) / S: 4.6M (2640 x 1760)
Panorama Still Image Size	Standard (3872 x 2160/8192 x 1856) / Wide (5536 x 2160/12416 x 1856)
Video Format	AVCHD Ver2.0, MP4
Video Mode	AVCHD: 28M PS (1920x1080, 60p), 24M FX (1920x1080, 60i), 17M FH (1920x1080, 60i), 24M FX (1920x1080, 24p), 17M FH (1920x1080, 24p) MP4: 12M (1440x1080, 30fps), 3M VGA (640x480, 30fps)
Lens Type	Carl Zeiss® Sonnar T*
Aperture	F2-22
Digital Zoom	24M approx. 4x / 10M approx. 6.1x / 4.6M approx. 9.1x
Focal Length (35mm equivalent)	(Still image 3:2) f=35mm (Still image 16:9) f=37mm (Movie 16:9) f=44mm (SteadyShot On), f=37mm (SteadyShot off)
Lens Construction	8 elements in 7 groups (3 aspherical elements including AA lens)
Aperture Blade	Iris diaphragm (9 blades)
Clear Image Zoom	2x
Focal Distance	AF approx. 24cm to infinity (Normal mode), approx. 14cm to 29cm (Macro mode)
LCD Type	3.0" (7.5cm) (4:3) / 1,229k dots / Xtra Fine / TFT LCD

Brightness Control	Auto / Manual (5 steps) / Sunny Weather mode
Focus System	Single-shot AF (AF-S) / Continuous AF (AF-C) / Direct Manual Focus (DMF) / Manual Focus (MF)
AF Modes	Multi point AF (25 points) / Center weighted AF / Flexible spot AF / Flexible spot AF (tracking focus) / Flexible spot AF (face tracking)
Metering Modes	Multi segment / Center weighted / Spot
Exposure Compensation	+/- 3.0EV, 1/3EV step
Scene Mode(s)	Portrait, Sports Action, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait
D-Range Optimizer	Off, Dynamic Range Optimizer (Auto/Level), Auto High Dynamic Range: Auto exposure difference, Exposure difference level (1.0-6.0EV, 1.0-EV step)
Creative Style	Standard, Vivid, Neutral, Clear Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black, White, Sepia
White Balance Mode	Auto/Daylight/Shade/Cloudy/Incandescent/Fluor (Warm White)/Fluor (Cool White)/Fluor (Day White)/Fluor (Daylight)/Flash/C. Temp./Filter/Custom
ISO Sensitivity (Movie)	Auto (ISO100-25600 equiv (1/3 EV step), Expandable to 50/64/80 auto ISO100-25600 selectable upper/lower limit, Multi frame NR ISO 100-102400 (1 EV step), Auto ISO100-25600 selectable upper/lower limit
Picture Effect(s)	Toy Camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Monochrome, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature, Watercolor, Illustration
Shutter Type	Program Auto (30-1/2000) / Manual (Bulb, 30-1/2000) / Aperture Priority (30-1/2000) / Shutter Priority (30-1/2000) / iAuto 1-1/2000
Continuous Shooting Speed	5 fps at 24.3MP, continuous 2.5 fps when focus is AFS
Self-timer	10sec. / 2sec.
Flash Modes	Auto/Fill-flash/Slow Sync/Rear Sync/Off/Wireless with optional compatible flash
Flash Coverage	ISO Auto 0.75m to 21.7m / ISO 25600 up to 43.4
Still Image Playback Options	Control for HDMI, Slideshow, Picture Effect (Watercolor, Illustration), Single (with or without shooting information, RGB histogram & highlight/shadow warning), 4/9-frame index view
Sweep Panorama	Sweep Panorama
Face Detection	8 Faces (Off / On(Registered Faces) / On)
Image Stabilization	SteadyShot™ Image Stabilization
Intelligent Auto	Yes
Picture Effects	Yes, 13 effects
Memory Card Slot	MS Duo and SD/SDHC/SDXC Compatible
HD Output	Micro HDMI
USB Port(s)	Micro USB, Hi-Speed USB (USB2.0)
Microphone Input	Microphone jack
Accessory Shoe	Multi Interface Shoe
Dimensions (Approx.)	4 1/2" x 2 5/8" x 2 3/4" (113.3 x 65.4 x 69.6mm)
Weight (Approx.)	17 oz (482g)
Weight(Approx) (Main unit only)	16 oz (453g)

Battery Type	LITHIUM ION NP-BX1 (supplied)
Power Consumption (in Operation)	Approx. 2.0W
Supplied Accessories	Battery NP-BX1 AC Adaptor AC-UD11 Micro USB cable Shoulder Strap Lens Cap Shoe Cap Cleaning Cloth Instruction Manual

1. Records in 29 minute segments

2. Requires HDTV and HDMI cable sold separately

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