

DSC-RX100M6

RX100 VI - broad zoom range and super-fast AF
24-200mm and ultra-fast 0.03-sec AF

With its uncompromising optics and ultra-fast autofocus, the small but powerful RX100 VI lets you capture the world as it goes by, for stunning portraits and snapshots, 24fps continuous action shots and gorgeous 4K HDR (HLG) movies.

- ZEISS® Vario-Sonnar T* 24-200mm F2.8-4.5 zoom lens
- 0.03-sec. AF speed and up to 24fps continuous shooting
- Approx. 20.1 effective megapixel 1.0-type stacked CMOS sensor with DRAM chip



Technical Summary

Icon Description

- ZEISS® Vario-Sonnar T* 24-200 mm F2.8-4.5 high-resolution zoom lens
- Approx. 20.1 effective megapixel 1.0-type stacked Exmor RS™ CMOS sensor with DRAM chip
- BIONZ X™ image processing engine for superior detail reproduction and noise reduction
- 0.03 sec AF response with 315 focal-plane phase-detection AF points
- Up to 24fps continuous shooting with AF/AE for up to 233 shots

Key Technical Specification

- **Sensor Type**
1.0-type (13.2mm x 8.8mm) Exmor RS CMOS sensor, aspect ratio 3:2
- **Number of Pixels (Effective)**
Approx. 20.1 Megapixels
- **ISO Sensitivity (Still Image)(Recommended Exposure Index)**
Auto(ISO125-12800, selectable with upper / lower limit) 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO80/100), Multi-Frame NR:Auto(ISO125-12800), 200/400/800/1600/3200/6400/12800/25600

What's in the box?

- Rechargeable Battery Pack NP-BX1, AC Adaptor, Micro USB cable, Wrist Strap, strap adapter, Instruction Manual

Specifications

Sensor Sensor Type Number of Pixels (Effective)		1.0-type (13.2mm x 8.8mm) Exmor RS CMOS sensor, aspect ratio 3:2 Approx. 20.1 Megapixels	Lens Lens type F-number (Maximum Aperture) ND Filter Focal length (f=) Focus Range (From the Front of the Lens) Optical Zoom Clear Image Zoom (Still Image) Clear Image Zoom (Movie) Digital Zoom (Still Image) Digital Zoom (Movie) Filter Diameter		ZEISS Vario-Sonnar T* Lens, 15 elements in 12 groups (8 aspheric elements including AA (advanced aspherical) lens) ZEISS Vario-Sonnar T* Lens, 15 elements in 12 groups (8 aspheric elements including AA (advanced aspherical) lens) - f=9.0-72mm, Still Image 3:2 f=24-200mm*, Still Image 4:3 f=25-220mm*, Still Image 16:9 f=24-210mm*, Still Image 1:1 f=30-260mm* *35mm format equivalent AF (W: Approx. 8cm (0.27 ft.) to Infinity, T: Approx. 100cm (3.29 ft.) to Infinity) 8.0x 20M Approx. 16x / 10M Approx. 22x / 5.0M Approx. 32x / VGA Approx. 121x 4K: Approx. 12x, HD: Approx. 16x 20M Approx. 32x / 10M Approx. 44x / 5.0M Approx. 64x / VGA Approx. 121x Approx. 32x Approx. 32x
Screen Screen Type Adjustable Angle Display Selector (Finder/Lcd) MF Assist Magnification Touch Panel		7.5cm(3.0-type)(4:3) / 921,600 dots / Xtra Fine / TFT LCD Up by approx. 180 degrees, down by approx. 90 degrees Auto/EVF(Manual)/Monitor(Manual) 5.3x, 10.7x Yes	Viewfinder Screen Type/Number of Dots Field Coverage Magnification Eye Point Dioptre Adjustment Brightness Control		0.39-type electronic viewfinder(OLED), 2,359,296 dots 100% Approx. 0.59x with 50mm lens at infinity, -1m-1(diopter) (35mm equiv.) Approx. 20mm from the eyepiece, 19.8mm from the eyepiece frame at -1m-1(diopter) (CIPA standard) -4.0 to +3.0m-1 Auto, Manual(5steps)
Camera Image Processing Engine Steadyshot Focus Type Focus Mode Focus Area LOCK ON AF Light Metering Mode Exposure Compensation ISO Sensitivity (Still Image) (Recommended Exposure Index) ISO Sensitivity (Movie) Minimum Illumination (Movie) White Balance Modes WB Micro Adjustment Shutter Speed Electronic Shutter		Yes (BIONZ X) Optical, Yes (Intelligent Active Mode, Optical type with electronic compensation, Auto Rolling type) Fast Hybrid AF (phase-detection AF/contrast-detection AF) Single-shot AF, Automatic AF, Continuous AF, DMF, Manual Focus Wide (315 points (phase-detection AF), 25 points (contrast-detection AF)), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF (Wide/Zone/Center/Flexible Spot (S/M/L)/Expanded Flexible Spot) Wide (315 points (phase-detection AF), 25 points (contrast-detection AF)), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF (Wide/Zone/Center/Flexible Spot (S/M/L)/Expanded Flexible Spot) Multi Pattern, Center Weighted, Spot, Entire Screen Avg, Highlight +/- 3.0EV, 1/3EV step Auto(ISO125-12800, selectable with upper / lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO80/100), Multi-Frame NR:Auto(ISO125-12800), 200/400/800/1600/3200/6400/12800/25600 Auto:(ISO125Level-ISO12800Level, selectable with upper / lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 Auto:2.9lux(Shutter Speed 1/30") Auto, Daylight, Shade, Cloudy, Incandescent, Fluor.: Warm White, Fluor.: Cool White, Fluor.: Day White, Fluor.: Daylight, Flash, Underwater Auto, C.Temp./Filter, Custom Yes(G7 to M7, 57-step)(A7 to B7, 29-step) Yes(G7 to M7, 57-step)(A7 to B7, 29-step) iAuto(4" - 1/32000) / Program Auto(30" - 1/32000) / Manual(30" - 1/32000) / Aperture Priority(30" - 1/32000) / Shutter Priority(30" - 1/32000)	Flash Flash Mode Flash Type AF Illuminator Bracketing Flash Range		Auto / Flash On / Slow Synchro / Rear Sync / Flash Off Built-in, manual pop-up Auto / Off Yes ISO Auto: Approx. 0.4m to 5.9m (1.31 ft. to 19.35 ft.) (W) / Approx. 1.0m to 3.1m (3.28 ft. to 10.17 ft.) (T), ISO12800: up to Approx. 12.4m (40.68 ft.) (W) / Approx. 7.0m (22.96 ft.) (T)

Aperture	iAuto(F2.8/F11(W)) / Program Auto(F2.8/F11(W)) / Manual(F2.8/F11(W)) / Shutter Priority(F2.8/F11(W)) / Aperture Priority(F2.8/F11(W))	
Image Control	Contrast,Saturation,Sharpness,Creative Style,Color Space(sRGB / Adobe RGB),Quality(RAW/ RAW&JPEG (Extra fine, Fine, Standard) / JPEG (Extra fine, Fine, Standard)	
Noise Reduction	Long exposure NR:On/Off, available of shutter speeds longer than 1/3 sec.,High ISO NR:Normal/Low/Off,Multi Frame NR: Auto, ISO200-25600	
Dynamic Range Functions	Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range (Auto Exposure Difference, Exposure difference Level (1.0-6.0EV, 1.0EV step))	
Shooting Mode	AUTO(Intelligent Auto/Superior Auto),Program Auto,Aperture Priority,Shutter Speed Priority,Manual Exposure,MR(Memory Recall) [body 3 sets / memory card 4 sets],Movie Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure),HFR Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure),Panorama,Scene Selection	
Scene Selection	Portrait,Sports Action,Macro,Landscape,Sunset,Night Scene,Handheld Twilight,Night Portrait,Anti Motion Blur,Pet Mode,Gourmet,Fireworks,High Sensitivity	
Continuous Shooting Speed (maximum) (with max. recording pixels)	Continuous Shooting Hi: approx. 24 fps, Continuous Shooting Mid: approx. 10 fps, Continuous Shooting Low: approx. 3.0 fps	
Self-Timer	10sec. / 5sec. / 2sec. / 3 or 5 consecutive shots with 10sec. 5sec. or 2sec. delay selectable / Bracketing shots with 10sec. 5sec. or 2sec. delay selectable	
Drive Modes	Single,Continuous shooting(Hi/Mid/L0),Self-timer,Self-timer(cont.),Cont.-bracketing,Single-bracketing,White balance bracketing,DRO bracketing	
Panorama (Shooting)	Sweep Panorama	
Picture Effect	Still Image:Toy camera,Still Image:Pop Color,Still Image:Posterization,Still Image:Retro Photo,Still Image:Soft High-key,Still Image:Partial Color,Still Image:High Contrast Mono.,Still Image:Soft Focus,Still Image:HDR Painting,Still Image:Richtone Monochrome,Still Image:Miniature,Still Image:Watercolor,Still Image:Illustration,Movie:Toy camera,Movie:Pop Color,Movie:Posterization,Movie:Retro Photo,Movie:Soft High-key,Movie:Partial Color,Movie:High Contrast Mono.	
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box	
Picture Profile	off/PP1-PP10(Black Level, Gamma(Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2, S-log3, HLG, HLG1, HLG2, HLG3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset)	
Number of Recognised Scenes	off/PP1-PP10(Black Level, Gamma(Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2, S-log3, HLG, HLG1, HLG2, HLG3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset)	
Recording		Interface
Compatible Recording Media	Memory Stick Duo,Memory Stick PRO Duo,Memory Stick PRO Duo(High Speed),Memory Stick Duo,SDHC Memory Card(UHS-I),SDXC Memory Card(UHS-I),microSD Memory Card,microSDHC Memory Card,microSDXC Memory Card	Input/Output Terminals
Recording Format	Still Image:JPEG(DCF Ver.2.0,Exif Ver.2.31,MPF Baseline compliant), RAW(Sony ARW2-P1 format),Movie:XAVC S,Movie:AVCHD format Ver.2.0 compatible	NFC
Recording Format (Movie Audio)	Still Image:JPEG(DCF Ver.2.0,Exif Ver.2.31,MPF Baseline compliant), RAW(Sony ARW2-P1 format),Movie:XAVC S,Movie:AVCHD format Ver.2.0 compatible	Wi-Fi Interfaces
Colour Space (Still)	sRGB, Adobe RGB	Bluetooth
DCF/DPOF	DCF/DPOF/EXIF/MPF	
Still Image Number of recorded pixels (Image Size)	3:2mode:20M(5,472×3,648) / 10M(3,888×2,592) / 5M(2,736×1,824),4:3mode:18M(4,864×3,648) / 10M(3,648×2,736) / 5M(2,592×1,944) / VGA,16:9mode:17M(5,472×3,080) / 7.5M(3,648×2,056) / 4.2M(2,720×1,528),1:1mode:13M(3,648×3,648) / 6.5M(2,544×2,544) / 3.7M(1,920×1,920) ,Sweep Panorama:Wde(12,416×1,856/5,536×2,160),Standard(8,192×1,856/3,872×2,160)	
Movie Recording Mode (NTSC)	NTSC/PAL Selector: [PAL] mode AVCHD: 24M FX(1,920x1,080/50i) / 17M FH(1,920x1,080/50i), XAVC S 4K: 25p 100M(3,840x2,160/25p) / 25p 60M(3,840x2,160/25p), XAVC S HD:50p 50M(1,920x1,080/50p) / 50p 25M(1,920x1,080/50p) / 25p 50M(1,920x1,080/25p) / 25p 16M(1,920x1,080/25p) / 100p 100M(1,920x1,080/100p) / 100p 60M(1,920x1,080/100p), NTSC/PAL Selector: [NTSC] AVCHD: 24M FX(1,920x1,080/60i) / 17M FH(1,920x1,080/60i), XAVC S 4K: 30p 100M(3,840x2,160/30p) / 30p 60M(3,840x2,160/30p) / 24p 100M(3,840x2,160/24p) / 24p 60M(3,840x2,160/24p), XAVC S HD:60p 50M(1,920x1,080/60p) / 60p 25M(1,920x1,080/60p) / 30p 50M(1,920x1,080/30p) / 30p 16M(1,920x1,080/30p) / 24p 50M(1,920x1,080/24p) / 120p 100M(1,920x1,080/120p) / 120p 60M(1,920x1,080/120p)	
HFR	RecordingNTSC/PAL Selector: [PAL] mode XAVC S HD:50p 50M(1,920x1,080/250fps), 50p 50M(1,920x1,080/500fps), 50p 50M(1,920x1,080/1000fps) / 25p 50M(1,920x1,080/250fps), 25p 50M(1,920x1,080/500fps), 25p 50M(1,920x1,080/1000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD:60p 50M(1,920x1,080/240fps), 60p 50M(1,920x1,080/480fps), 60p 50M(1,920x1,080/960fps) / 30p 50M(1,920x1,080/240fps), 30p 50M(1,920x1,080/480fps), 30p 50M(1,920x1,080/960fps) / 24p 50M(1,920x1,080/240fps), 24p 50M(1,920x1,080/480fps), 24p 50M(1,920x1,080/960fps)Sensor Readout Number of effective pixelsQuality Priority:240fps/250fps(1,824x1,026),480fps/500fps(1,824x616),960fps/1000fps(1,244x420)/Shoot Time Priority:240fps/250fps(1,824x616),480fps/500fps(1,292x436),960fps/1000fps(912x308)	
Still Image Number of recorded pixels (Image Size) during Movie	16:9mode:17M(5,472×3,080) / 7.5M(3,648×2,056) / 4.2M(2,720×1,528)	
Proxy Recording	RecordingNTSC/PAL Selector: [PAL] mode XAVC S HD:50p 50M(1,920x1,080/250fps), 50p 50M(1,920x1,080/500fps), 50p 50M(1,920x1,080/1000fps) / 25p 50M(1,920x1,080/250fps), 25p 50M(1,920x1,080/500fps), 25p 50M(1,920x1,080/1000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD:60p 50M(1,920x1,080/240fps), 60p 50M(1,920x1,080/480fps), 60p 50M(1,920x1,080/960fps) / 30p 50M(1,920x1,080/240fps), 30p 50M(1,920x1,080/480fps), 30p 50M(1,920x1,080/960fps) / 24p 50M(1,920x1,080/240fps), 24p 50M(1,920x1,080/480fps), 24p 50M(1,920x1,080/960fps)Sensor Readout Number of effective pixelsQuality Priority:240fps/250fps(1,824x1,026),480fps/500fps(1,824x616),960fps/1000fps(1,244x420)/Shoot Time Priority:240fps/250fps(1,824x616),480fps/500fps(1,292x436),960fps/1000fps(912x308)	
Power		Others
Power Source	DC3.6V(supplied battery) / DC5.0V(supplied AC Adaptor)	Playmemories Camera Apps
Battery System	Rechargeable battery pack NP-BX1	Photo Creativity
Power Consumption (Camera Mode)	Approx. 2.3Wwith LCD monitor and approx. 2.5Wwith viewfinder(CIPA standard)	Shooting Functions
USB Charge/USB Power Supply	Yes (Shooting, Playback)	Eye AF,Face Detection,Face Registration,Still Image Recording (during movie recording),Smile shutter,Grid Line,Quick Navi,Digital Level Gauge (pitch and roll),WB Bracket,DRO Bracketing,MF Assist,Peaking,Zebra,Marker Display,Micref Level,Step Zoom / Quick Zoom,Self-portrait timer,TC/UB,Photographer Name & Copyright,ISO Auto Minimum Shutter Speed,PC Remote Control,Gamma Disp. Assist,[Mov]AF Track Sensitivity,[Mov]AF Drive Speed,Set File Name,Touch Shutter,My Menu
Battery Life(Movies actual shooting)	Monitor:Approx. 40min., ViewFinder:Approx. 40min.	Playback Functions
Battery Life(Movies continuous shooting)	Monitor:Approx. 75min., ViewFinder:Approx. 70min.	Eye AF,Face Detection,Face Registration,Still Image Recording (during movie recording),Smile shutter,Grid Line,Quick Navi,Digital Level Gauge (pitch and roll),WB Bracket,DRO Bracketing,MF Assist,Peaking,Zebra,Marker Display,Micref Level,Step Zoom / Quick Zoom,Self-portrait timer,TC/UB,Photographer Name & Copyright,ISO Auto Minimum Shutter Speed,PC Remote Control,Gamma Disp. Assist,[Mov]AF Track Sensitivity,[Mov]AF Drive Speed,Set File Name,Touch Shutter,My Menu
		TRILUMINOS Color
		Yes

		4K image output	Yes
		Operating Temperature	0 degrees C. - +40 degrees C. / 32 degrees F. - 104 degrees F.
Print	Print	Size & Weight	
		Dimensions (W x H x D) WEIGHT (CIPA COMPLIANT)	101.6x58.1x42.8 mm(4 in. x 2 3/8 in. x 1 11/16 in.) Approx. 301g (10.7oz.)(Battery and Memory Card are included) / Approx. 274g (9.7oz.)(Body Only)

Features

A pocket-size camera with full zoom range

The camera's no-compromise, 24-200mm optics deliver superb image quality, which combined with high speed and pocket-sized portability makes it ideal for travel shooting or flexible professional work by even the most demanding users. In addition, Clear Image Zoom lets you further enlarge the centre of the image digitally up to twice as much (400mm equivalent) with almost no image degradation.

Large apertures, great range of expression

Small F-numbers throughout the zoom range make it easy to achieve fast shutter speeds and large amounts of bokeh. Even at a focal length of 100mm, the maximum aperture stays at F4. This can reduce blurring in shots of fast-moving subjects, and it can also help portrait shots, where the subject will stand out against a high degree of background bokeh.

Exmor RS™ 1.0-type stacked CMOS image sensor for speed

The 315-point focal-plane phase-detection AF provides extraordinarily fast, precise autofocus and tracking. Furthermore, the 20.1 MP (effective) 1.0-type stacked CMOS image sensor with DRAM chip enables up to 960 fps super-slow-motion shooting—and an up to 1/32000 sec. super-high-speed anti-distortion shutter.

High-speed AF at 0.03 sec

With 315-point focal-plane phase-detection AF, seamlessly integrating the superlative speed and tracking of focal-plane phase-detection AF with high-accuracy contrast AF. It boosts the camera's abilities to focus, track and capture sharp, clear still images of subjects in all situations, even in the middle of fast dynamic action.

Eye AF with excellent tracking performance

High-precision Eye AF, combined with high-performance AF tracking, provides helpful assistance with portrait shooting. It's effective even when the subject is looking down and away, or when faces are backlit or in partial darkness, and it keeps the focus on moving subjects' eyes when using the AF-C setting.

Easy, natural Touch Focus and Touch Pad AF

With Touch Focus you can simply touch the LCD at the point of the image you want to focus on, so you can intuitively focus on subjects even at the edge of the frame, without reframing, for both still shots and movies. When using the viewfinder, use Touch Pad AF to shift focus smoothly and easily, simply by sliding your finger across the LCD screen.

Upgraded continuous shooting operability

Continuously shot images can be displayed in the groups in which they were shot, and shots can be deleted or protected with one quick operation. Camera operability while data is being written to the memory card has also been improved; now there is full access to the Fn Menu and the menu button, and settings can be changed.

Anti-distortion shutter

Fast data readout from the Exmor RS image sensor noticeably reduces distortion in images of fast-moving subjects such as a golf club being swung quickly. The Anti-distortion electronic shutter achieves shutter speeds as fast as 1/32000 sec.

4K movies recorded at full pixel readout

When shooting 4K (QFHD resolution: 3840 x 2160) movies with full pixel readout without pixel binning, the camera collects approx. 1.7 times as much information as is required for basic 4K movie output. This oversampling effect results in images of outstanding resolution with reduced moiré and jaggies.

Super slow motion up to 40x slower

The stacked CMOS sensor enables an extra-high frame rate of up to 960fps. Shooting at 200mm telephoto, it's possible to record impressive close-up super slow motion footage. Shooting frame rate and recording setting can be set independently for 4x to 40x super slow motion footage.

Touch Shutter feature for easy shooting

For the first time in the RX series, the shutter can be operated by touching the LCD monitor, which now swings up 180° and down around 90°. Operation is intuitive and convenient, especially when shooting scenes from high or low angles.

One-push Access EVF

Depressing the viewfinder pop-up switch on the side of the body makes the viewfinder instantly available with just a single action, and the viewfinder can be instantly retracted when not in use.

Tactile and smooth control interface

A lens-mounted control ring permits pro-style manual controls such as selection of shutter speed, aperture, and more, for added creative control. Additionally, the zoom lever has been redesigned for maximum operability of the zoom lens, which is now controlled in two steps by the inclination of the zoom lever.

Location Information Link via Bluetooth®

Location Information Link makes the most of the RX100 VI. The camera can be paired with the PlayMemories Mobile™ app on a compatible mobile device to acquire location data, record it on still images, and correct camera date/time and location. The PlayMemories Home™ app can be used on a personal computer to organise imported still images on a map.

Convenient on-location rating and sorting

Ratings from 1 to 5 stars can be retained when images are imported into PlayMemories Home or the new Sony imaging software suite running on a PC, and this function and an image protect function can be assigned to a custom button. In-camera ratings and protection can be applied, reviewed, and changed while you're on location or traveling.

Optional Accessories

AG-R2 Keep a firm hold on your camera with this lightweight attachment grip	PCK-LG1 Glass-type monitor protector	NP-BX1 Shoot for longer battery life	PCK-LM15 Protect your screen from dust, scratches and fingerprints	HVL-LEIR1 Capture videos with clarity in total darkness	LCS-RXG Perfect case of quality and style	CLM-FHD5 More spectacular views in Full HD glory
LCJ-RXF Durable, tripod-compatible case protects cameras from wear and tear	VCT-55LH Add more accessories to your camera with a versatile bracket	DLC-HEU15 Experience audio and video at high speed with this 1.5m cable	LCS-EMC Protect your NEX camera, lens and accessories on the go	LCS-PSC7 Stash your camera, lenses, and accessories in this durable case	LCS-SL10 Stylish carry case for all your essential camera kit	LCS-U11 More ways to carry your camera or camcorder
LCS-U21 Carry your camera or camcorder and all your kit	STP-XH70 Shoulder strap in genuine leather	VCT-P300 Shoot steady with a stronger, lighter tripod	VCT-SGR1 Compact shooting grip with mini-tripod and remote			