

SONY

New Products Information

Digital Still camera



RX1R II

MADE IN JAPAN 日本制造(主机)

The Power of Imaging

BE MOVED



•Sony Corporation
Sony Marketing (Japan) Inc. 1-7-1 Konan Minato-ku, Tokyo, 108-0075 Japan



Safety Cautions

To ensure correct use of this product, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents. Do not use headphones while driving and cycling, etc.

Main specifications of DSC-RX1RM2(E32)

Image Sensor	
Sensor Type	35mm full frame (35.9 x 24.0mm), Exmor R CMOS sensor, aspect ratio 3:2
Number of Gross Pixels	Approx. 43.6 megapixels
Number of Effective Pixels	Approx. 42.4 megapixels
Lens	
Lens Type	ZEISS® Sonnar T*, 8 elements in 7 groups (3 aspherical elements including AA lens)
Max. Magnification Standard/Macro	0.15x / 0.26x (By Macro Switching Ring)
F-number (maximum aperture)	F2
Aperture Type	Iris diaphragm (9 blades)
Focal Length (f=)	f=35mm
	[Still image 3:2] f=35mm [Still image 16:9] f=37mm [Still image 1:1] f=44mm [Still image 4:3] f=38mm [Movie 16:9] f=44mm (SteadyShot On), f=37mm (SteadyShot Off)
Focus Range (from the front of the lens)	Approx. 24cm to infinity (Normal mode), approx. 14cm to 29cm (Macro mode)
Focus Range (from the focal plane)	Approx. 30cm to infinity (Normal mode), approx. 20cm to 35cm (Macro mode)
Optical Variable Low-Pass Filter	
Yes	
Clear Image Zoom	Still Image
	2x
	Movie
	2x
Digital Zoom	Still Image
	42M approx. 4x / 18M approx. 6.2x / 11M approx. 8x
	Movie
	Approx. 4x
Filter Diameter	49mm
Screen	
Screen Type	7.5cm (3.0 type) (4:3) / 1,228,800 dots / Xtra Fine / TFT LCD
Brightness Control	Auto / Manual (5 steps) / Sunny Weather mode
Adjustable Angle	Up approx. 109 degrees, down approx. 41 degrees, at max.
Display Selector (Finder/LCD)	Auto / EVF / Monitor
MF Assist Magnification	5.0x, 12.5x
Viewfinder	
Screen Type/Number of Dots	0.39-type electronic viewfinder (OLED), 2,359,296 dots
Brightness Control	Auto, Manual (5 steps)
Field Coverage	100%
Magnification	Approx. 0.74x (with 50mm lens equiv. at infinity, -1m ⁻¹)
Eye Point	Approx. 19mm from the eyepiece lens, 18.4mm from the eyepiece frame at -1m ⁻¹ (CIPA standard)
Diopter Adjustment	-4.0 to +3.0m ⁻¹
Camera	
SteadyShot	
Electronic type (for movies)	
Focus Type	
Fast Hybrid AF (phase-detection AF / contrast-detection AF)	
Focus Mode	
Single-shot AF (AF-S) / Continuous AF (AF-C) / Direct Manual Focus (DMF) / Manual Focus	
Focus Area	
Wide (399 points for phase-detection AF / 25 points for contrast-detection AF) / Center / Flexible Spot (S/M/L) / Expand Flexible Spot / Lock-on AF (Wide / Center / Flexible Spot (S/M/L) / Expand Flexible Spot)	
Metering Type	
1200-zone evaluative metering	
Light Metering Mode	
Multi Pattern / Center Weighted / Spot	
Exposure Compensation	
+/-5.0 EV (in 1/3 EV steps), with exposure compensation dial: +/-3.0 EV (in 1/3 EV steps)	
ISO Sensitivity (still image) ^{*1}	
ISO 100-25600 (1/3 EV step) (expandable to ISO 50/64/80/32000/40000/51200/64000/80000/102400), AUTO (ISO 100-102400, selectable upper / lower limit), Multi Frame NR: ISO 100-102400 (1 EV step), AUTO (ISO 100-102400, selectable upper / lower limit)	
ISO Sensitivity (movie)	
ISO 100-25600 equivalent (1/3 EV step), AUTO (ISO 100-25600 equivalent, selectable upper / lower limit)	
White Balance Mode	
Auto / Daylight / Shade / Cloudy / Incandescent / Fluor.: Warm White / Fluor.: Cool White / Fluor.: Day White / Fluor.: Daylight / Flash / C.Temp. / Filter / Custom	
WB Micro Adjustment	
Yes (G7 to M7 (57 steps), A7 to B7 (29 steps))	
Shutter Speed	
Program Auto (30 ⁻¹ /4000 ⁺ sec.) / Aperture Priority (30 ⁻¹ /4000 ⁺ sec.) / Shutter Priority (30 ⁻¹ /4000 ⁺ sec.) / Manual Exposure (Bulb, 30 ⁻¹ /4000 ⁺ sec.) / iAuto (4 ⁻¹ /4000 ⁺ sec.)	
*At F5.6 or greater aperture value. Fastest limit at F2 is 1/2000 sec.	
Aperture	
F2-22	
RAW Output	
14 bit	
Uncompressed RAW	
Yes	
Image Control	
Contrast, Saturation, Sharpness, Creative Style, Color Space (sRGB/Adobe RGB), Quality (RAW / RAW & JPEG / Extra fine / Fine / Standard)	
Noise Reduction	
Long exposure NR: On / Off, available of shutter speeds longer than 1 sec., High ISO NR: Normal / Low / Off, Multi Frame NR: Auto / ISO 100-102400	
Dynamic Range Functions	
Off, Dynamic Range Optimizer (Auto / Level 1-5), Auto High Dynamic Range: Off, Auto Exposure Difference, Exposure difference level (1.0-6.0 EV, 1.0 EV step)	
Shooting Mode	
AUTO (Intelligent Auto / Superior Auto), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR (Memory Recall) 1,2,3, Movie Mode (Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Panorama, Scene Selection	
Scene Selection	
Portrait, Sports Action, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti Motion Blur	
Continuous Shooting Speed (maximum) (Maximum number of recoded pixels) ²	
Speed priority continuous shooting: approx. 5fps, Continuous shooting: approx. 2.5fps (AF-S) ³	

Specifications and features are subject to change without notice.

^{*1} REI (Recommended Exposure Index)

^{*2} You may not be able to shoot images in Burst mode depending on the Shooting mode.

^{*3} Speed decreases after some shots are taken.

^{*4} Self-Timer is available.

^{*5} For movies, compatible Memory Stick PRO Duo (Mark2), Memory Stick PRO-HG Duo, Memory Stick XC-HG Duo, Memory Stick Micro (Mark2), SD / SDHC / SDXC memory card or microSD / microSDHC / microSDXC card (Class 4 or faster speed is recommended) can be used.

^{*6} With Adaptor (optional)

^{*7} Supports Micro USB compatible device.

^{*8} The LCD screen is turned on, shooting once every 30 seconds, the power turns on and off once every ten times.

^{*9} Continuous shooting is possible for approximately 29 minutes (limited by product specifications, default setting).

^{*10} Indication recording time, which is defined by repeating the cycle: Power on, start recording, stand-by, power off.

^{*11} Based on non-stop recording until the limit (29 minutes or 4GB) is reached, followed by resumption of recording.

Self-Timer		10 sec. / 5 sec. / 2 sec. / 3 or 5 consecutive shots with 10 sec. 5 sec. or 2 sec. delay selectable / Bracketing shots with 10 sec. 5 sec. or 2 sec. delay selectable
Drive Modes		Single, Continuous shooting, Speed priority continuous shooting, Self-timer, Self-timer (cont.), Cont.-bracketing ⁴ , Single-bracketing ⁴ , White balance bracketing ⁴ , DRO bracketing ⁴ , LPF bracketing ⁴
Picture Effect		[Still Image] Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono., Soft Focus, HDR Painting, Richtone Monochrome, Miniature, Watercolor, Illustration [Movie] Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono.
Creative Style		Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box
Number of Recognized Scenes		[Still Image] Superior Auto: 44, Intelligent Auto: 33 [Movie] 33
Flash	Flash Mode	Flash Off / Autoflash / Fill-flash / Slow Sync. / Rear Sync. / Wireless (with optional compliant flash)
Recording		
Compatible Recording Media ⁵		Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PRO-HG Duo, Memory Stick Micro ⁶ , Memory Stick Micro (Mark2) ⁶ , SD Memory Card, SDHC Memory Card, SDXC Memory Card, microSD Memory Card ⁷ , microSDHC Memory Card ⁷ , microSDXC Memory Card ⁸
Recording Format		[Still Image]: JPEG (DCF Ver.2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format), [Movie]: XAVC S, AVCHD format Ver.2.0 compatible, MP4
Recording Format (Movie Audio)		XAVC S: LPCM 2ch / AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator) / MP4: MPEG-4 AAC-LC 2ch
Color Space (Still)		sRGB / Adobe RGB
Number of Recorded Pixels (Image Size)		[3:2] L: 42M (7,952 x 5,304) / M: 18M (5,168 x 3,448) / S: 11M (3,984 x 2,656), [4:3] L: 38M (7,072 x 5,304) / M: 16M (4,592 x 3,448) / S: 9.4M (3,536 x 2,656), [16:9] L: 36M (7,952 x 4,472) / M: 15M (5,168 x 2,912) / S: 8.9M (3,984 x 2,240), [1:1] L: 28M (5,296 x 5,296) / M: 12M (3,440 x 3,440) / S: 7.1M (2,656 x 2,656), [Sweep Panorama] Standard (3,872 x 2,160 / 8,192 x 1,856) / Wide (5,536 x 2,160 / 12,416 x 1,856)
Movie Recording Mode	NTSC	AVCHD: 28M PS (1,920 x 1,080/60p) / 24M FX (1,920 x 1,080/60i) / 17M FH (1,920 x 1,080/60i) / 24M FX (1,920 x 1,080/24p) / 17M FH (1,920 x 1,080/24p), XAVC S HD: 60p 50M (1,920 x 1,080/60p) / 30p 50M (1,920 x 1,080/30p) / 24p 50M (1,920 x 1,080/24p) / 120p 50M (1,280 x 720/120p), MP4: 28M (1,920 x 1,080/60p) / 16M (1,920 x 1,080/30p) / 6M (1,280 x 720/30p)
	PAL	AVCHD: 28M PS (1,920 x 1,080/50p) / 24M FX (1,920 x 1,080/50i) / 17M FH (1,920 x 1,080/50i) / 24M FX (1,920 x 1,080/25p) / 17M FH (1,920 x 1,080/25p), XAVC S HD: 50p 50M (1,920 x 1,080/50p) / 25p 50M (1,920 x 1,080/25p) / 100p 50M (1,280 x 720/100p), MP4: 28M (1,920 x 1,080/50p) / 16M (1,920 x 1,080/25p) / 6M (1,280 x 720/25p)
Print		Exif Print, PRINT Image Matching (PIM3)
Interface		
Input and Output Terminal		Multi / Micro USB Terminal ⁷ , Micro HDMI, Microphone (3.5mm Stereo minijack), Multi Interface Shoe
NFC		NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing
Wi-Fi		Yes (IEEE802.11b/g/n (2.4GHz band))
Power		
Power Source		DC3.6V (supplied battery) / DC5.0V (supplied AC Adaptor)
Battery System		Rechargeable battery pack NP-BX1
Power Consumption (camera mode)		Approx. 2.5W with LCD monitor and approx. 2.7W with viewfinder (CIPA standard)
USB Charge / USB Power Supply		Yes (supplied AC adaptor)
Battery Life		Still Images ⁹ Monitor: Approx. 220 shots / Approx. 110 min., Viewfinder: Approx. 200 shots / Approx. 100 min. Movies (actual shooting) ⁹⁺¹⁰ Monitor: Approx. 30 min., Viewfinder: Approx. 30 min. (In [MP4 28M] mode, max. continuous shooting time is approx. 20 min. and max. file size is 4GB.) Movies (continuous shooting) ⁹ Monitor: Approx. 50 min., Viewfinder: Approx. 50 min. (In [MP4 28M] mode, max. continuous shooting time is approx. 20 min. and max. file size is 4GB.) ¹⁰
Others		
PlayMemories Camera Apps		Yes
Shooting Functions		Smart Teleconverter (approx. 1.4x / 2x) / Eye AF / Lock-on AF / Face Detection / Face Registration / Smile shutter / Grid Line / Quick Navi / Digital Level Gauge (pitch and roll) / Exposure Bracketing / White Balance Bracketing / DRO Bracketing / Flash Bracketing / LPF bracketing / MF Assist / Peaking / Zebra / Marker Display / Photographer Name & Copyright / ISO Auto Minimum Shutter Speed / PC Remote Control / Auto Object Framing
Playback Functions		BRAVIA Sync (Control for HDMI) / Single (with or without shooting information, RGB histogram & highlight/shadow warning) / 9/25-frame index view / Enlarged display mode / Auto Orientation / Slide Show / Panorama scrolling / Auto Review (10sec./5sec./2sec./off) / Forward / Rewind (Movie) / Delete / Protect / 4K still image playback
Dimensions (W x H x D)		113.3 x 65.4 x 72.0mm (4 1/2 x 2 5/8 x 2 7/8 in.)
Weight (CIPA compliant)		Approx. 507g (1 lb 1.9 oz.) (Battery and Memory Stick Duo included) / Approx. 480g (1 lb 0.9 oz.) (Body only)
Operating Temperature		Approx. 0°C to 40°C (32°F to 104°F [°])
Supplied Accessories		Rechargeable Battery Pack NP-BX1, AC Adaptor AC-UUD11 / 12, Micro USB Cable, Shoulder Strap, Lens Cap, Shoe Cap, Instruction Manual, cleaning cloth, Battery charger (BC-DCX), Eyepiece cup

Sony | Photo Gallery:

http://www.sony.net/Products/di_photo_gallery/



Sony | Camera Channel:

<https://www.youtube.com/c/ImagingbySony>



Environmental Information

Halogenated flame retardants are not used in cabinets and certain printed wiring boards. Recycled paper is used for the carton. Corrugated cardboard and paper are used for the packaging cushions.

SONY, **Cyber-shot** and other marks are trademarks or registered trademarks of Sony Corporation.

All other company and product names mentioned herein are used for identification purposes only and may be the trademarks or registered trademarks of their respective owners.

Contents of this catalog are valid as of November 2015
DXKP Printed in Japan (84946087)