

SONY

New Products Information

Digital Still Camera
DSC-RX100M5A



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RX100 V

The Power of Imaging

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Cyber-shot

 **Sony
Overseas
Models**

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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-RX100M5A

Image Sensor	
Sensor Type	1.0-type (13.2mm x 8.8mm) Exmor RS CMOS sensor, aspect ratio 3:2
Number of Gross Pixels	Approx. 21.0 Megapixels
Number of Effective Pixels	
Lens	
Lens Type	ZEISS® Vario-Sonnar T* Lens, 10 elements in 9 groups (9 aspheric elements including AA lens)
F-number (maximum aperture)	F1.8 (W)-2.8 (T)
Iris Diaphragm	7 blades
Focal Length (f=)	f=8.8-25.7mm
Focal Length (f=)	[Still image 3:2] f=24-70mm [Still image 16:9] f=26-76mm [Still image 1:1] f=30.5-89mm [Still image 4:3] f=25-73mm [Movie 16:9] f=25.5-74mm (SteadyShot Standard), f=30-86mm (SteadyShot Active), f=33.5-95mm (SteadyShot Intelligent Active), [Movie 4K 16:9] f=28-80mm (SteadyShot Standard), [HFR 960fps] f=38-110mm (Quality Priority), f=52-150mm (Shoot Time Priority), [HFR 480fps] f=26-75mm (Quality Priority), f=37-105mm (Shoot Time Priority), [HFR 480fps] f=26-75mm (Quality Priority), f=26-75mm (Shoot Time Priority)
35mm format equivalent	
Focus Range (from the front of the lens)	AF (W: Approx. 5cm (0.17 ft.) to infinity, T: Approx. 30cm (0.99 ft.) to infinity)
Optical Zoom	2.9x
Clear Image Zoom	Still Image: Approx. 5.8x (including Optical Zoom) Movie: Approx. 5.8x (including Optical Zoom)
Digital Zoom ¹	Still Image: Approx. 11x (including Optical Zoom) Movie: Approx. 11x (including Optical Zoom)
Screen	
Screen Type	7.5cm (3.0 type) (4:3) / 1,228,800 dots / Xtra Fine / TFT LCD
Brightness Control	Manual (5 steps) / Sunny Weather mode
Adjustable Angle	Up by approx. 180 degrees, down by approx. 45 degrees
Display Selector (Finder/LCD)	Auto / EVF / Monitor
MF Assist Magnification	5.3x, 10.7x
Viewfinder	
Screen Type/Number of Dots	0.39-type electronic viewfinder (XGA OLED), 2,359,296 dots
Brightness Control	Auto, Manual (5 steps)
Field Coverage	100%
Magnification	Approx. 0.59x with 50mm lens. at infinity, -1m ⁻¹ (35mm equiv.)
Eye Point	Approx. 20mm from the eyepiece lens, 19.2mm from the eyepiece frame at -1m ⁻¹ (CIPA standard)
Diopter Adjustment	-4.0 to +3.0m ⁻¹
Camera	
SteadyShot	[Still Image] Optical [Movie] Intelligent Active Mode, Optical type with electronic compensation (Anti Rolling type)
Focus Mode	Single-shot AF (AF-S) / Automatic AF (AF-A) / Continuous AF (AF-C) / Direct Manual Focus (DMF) / Manual Focus
Focus Area	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)
Light Metering Mode	Multi Pattern / Center Weighted / Spot / Entire Screen Avg / Highlight
Exposure Compensation	+/- 3.0 EV, 1/3 EV step
ISO Sensitivity (still image) ²	ISO 125-12800 (1/3 step) (expandable to ISO 80/100), Auto (ISO 125-12800, selectable with upper/lower limit), Multi-Frame NR: ISO 125-25600 ³ (1EV step), Auto (ISO 125-12800)
ISO Sensitivity (movie)	ISO 125-12800 equivalent (1/3 step), AUTO (ISO 125-12800 equivalent, selectable lower limit and upper 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 (5 steps), A7 to B7 (29 steps))
Shutter Speed	iAuto (4"-1/2000) / Program Auto (30"-1/2000) / Manual (Bulb, 30"-1/2000) / Aperture Priority (30"-1/2000) / Shutter Priority (30"-1/2000)
Electronic Shutter	iAuto (4"-1/32000) / Program Auto (30"-1/32000) / Manual (30"-1/32000) / Aperture Priority (30"-1/32000) / Shutter Priority (30"-1/32000)
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 for shutter speeds longer than 1/3 sec., high ISO NR: Normal / Low / Off, Multi Frame NR: Auto, ISO 200-25600
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) 1, 2, 3, M1, M2, M3, M4, 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) (Maximum number of recorded pixels) ⁴	Continuous Shooting Hi: approx. 24 fps, Continuous Shooting Mid: approx. 10 fps, Continuous Shooting Low: approx. 3.5 fps ⁵
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, Self-timer, Self-timer (cont.), Cont.-bracketing ⁶ , Single-bracketing ⁶ , White balance bracketing ⁶ , DRO bracketing ⁶
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
Picture Profile	Off/PP1-PP7 (Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%, S-Log2], Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset)
Number of Recognized Scenes	[Still Image] Superior Auto: 44, Intelligent Auto: 33 [Movie] 44
Flash	Flash Mode: Auto / Flash On / Slow Syncro / Rear Sync / Flash Off Flash Range: ISO Auto: approx. 0.4m to 10.2m (1.31 ft. to 33.46 ft.) (W) / approx. 0.4m to 6.5m (1.31 ft. to 21.33 ft.) (T), ISO 12800: up to approx. 20.4m (66.93 ft.) (W) / approx. 13.0m (42.65 ft.) (T)

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.

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* Screen displays are simulated.

* Simulated effects are used to illustrate some functions.

Recording	
Compatible Recording Media ⁷	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PRO-HG Duo, Memory Stick Micro ⁸ , Memory Stick Micro (Mark2) ⁸ , SD Memory Card, SDHC Memory Card, SDXC Memory Card, microSD Memory Card ⁹ , microSDHC Memory Card ⁹ , microSDXC Memory Card ⁹
Recording Format	[Still Image]: JPEG (DCF Ver.2.0, Exif Ver.2.31, 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: LPCH 2ch / AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator) / MP4: MPEG-4 AAC-AC 2ch
Color Space (Still)	sRGB / Adobe RGB
File Format	DCF / DPOF / EXIF / MPF
Number of Recorded Pixels (Image Size)	3:2 mode: 20M (5,472x3,648) / 10M (3,888x2,592) / 5M (2,736x1,824), 4:3 mode: 18M (4,864x3,648) / 10M (3,648x2,736) / 5M (2,592x1,944) / VGA, 16:9 mode: 17M (5,472x3,080) / 7.5M (3,648x2,056) / 4.2M (2,720x1,528), 1:1 mode: 13M (3,648x3,648) / 6.5M (2,544x2,544) / 3.7M (1,920x1,920), Sweep Panorama: Wide (12,416x1,856/5,536x2,160), Standard (8,192x1,856/3,872x2,160)
Number of Recorded Pixels (Image Size) during Movie	16:9 mode: 17M (5,472x3,080) / 7.5M (3,648x2,056) / 4.2M (2,720x1,528)
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)
PAL	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) / 25p 100M (3,840x2,160/25p) / 25p 50M (1,920x1,080/25p) / 25p 16M (1,920x1,080/25p) / 25p 100M (1,920x1,080/100p) / 100p 60M (1,920x1,080/100p)
NTSC	XAVC S HD: 60p 50M (1,920x1,080/240fps), 60p 50M (1,920x1,080/240fps), 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 (1,920x1,080/960fps) / >Sensor Readout Number of Effective Pixels> Quality Priority: 240fps (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)
PAL	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)
Print	
	Exif Print, PRINT Image Matching (PIM3)
Interface	
Input and Output Terminal	Multi / Micro USB Terminal ¹⁰ , Hi-Speed USB (USB2.0), Micro HDMI
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. 2.6W with LCD monitor and approx. 3.0W with viewfinder (CIPA standard)
USB Charge / USB Power Supply	Yes (Shooting, Playback)
Battery Life	Still Images ¹⁰ : Monitor: Approx. 220 shots / Approx. 110 min., Viewfinder: Approx. 210 shots / Approx. 105 min. Movies (actual shooting) ¹¹⁻¹² : Monitor: Approx. 35 min., Viewfinder: Approx. 35 min. (In [MP4 28M] mode, max. continuous shooting time is approx. 20 min. and max. file size is 4GB.) Movies (continuous shooting) ¹³ : Monitor: Approx. 65 min., Viewfinder: Approx. 65 min. (In [MP4 28M] mode, max. continuous shooting time is approx. 20 min. and max. file size is 4GB.) ¹³
Others	
PlayMemories Camera Apps	-
Shooting Functions	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 / Set File Name / ISO Auto Minimum Shutter Speed / PC Remote Control / Gamma Disp. Assist / AF Track Sensitivity / AF Drive Speed
Playback Functions	BRAVIA Sync (Control for HDMI) / 9-25-frame index view / Auto Orientation / Slide Show / Forward / Rewind (Movie) / Delete / Protect / Motion Shot View / Beauty Effect / Photo Capture
Dimensions (W x H x D) (CIPA compliant)	101.6 x 58.1 x 41.0mm (4 x 2 3/8" x 15/8")
Weight (CIPA compliant)	Approx. 299g (10.5 oz.) (Battery and Memory Stick Duo are included) / Approx. 272g (9.6 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-UUD12 / Micro USB cable / Wrist strap / Strap adaptor / Instruction Manual

Specifications and features are subject to change without notice.

*1 Optical zoom from the wide side.

*2 REI = Recommended Exposure Index

*3 Achieved by using overlay burst shooting.

*4 You may not be able to shoot images in Burst mode depending on the Shooting mode.

*5 Speed will slow down after you take some shots.

*6 Self-Timer is available.

*7 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.

*8 With adaptor (optional)

*9 Supports Micro USB-compatible device.

*10 The LCD screen is turned on, shooting once every 30 seconds, the zoom is switched alternately between the W and T ends, the flash strobes once every two times, the power turns on and off once every ten times.

*11 Continuous shooting is possible for approximately 29 minutes (limited by product specifications/default setting).

*12 Indication recording time, which is defined by repeating the cycle: Power on, start recording, zoom, stand-by, power off

*13 Based on non-stop recording until the limit (29 minutes or 4GB) is reached, and then recording continues again. Shooting functions such as zoom will not be available.

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

