

SONY

Press Release

Sony Introduces Flagship Palm-Sized Camera RX1R II with 42.4 MP Back-Illuminated Full-Frame Image Sensor

*Sony's Latest Premium Compact Camera Features Back-Illuminated Full-Frame Sensor,
ZEISS® Sonnar T* 35mm F2 Lens, High Speed AF, Retractable XGA OLED Viewfinder and
World's First Optical Variable Low Pass Filter¹*



Hong Kong, November 12, 2015 – Sony today introduced the latest addition to their highly acclaimed Cyber-shot RX series compact cameras, the full-frame RX1R II (DSC-RX1RM2). Joining the original RX1 and RX1R cameras in the family of the world's smallest full-frame cameras, the new RX1R II delivers the highest picture quality of any Sony compact camera ever made. This can largely be attributed to the new camera's high resolution 42.4 MP sensor paired with its large aperture, fixed focal length ZEISS® Sonnar T* 35mm F2 lens, which have been fine-tuned to optimise performance together.

Additionally, the new model features a 30% improvement in AF response speed compared to the original award-winning RX1 models and is equipped with the world's first optical variable low pass filter that can be set to "off", "standard", or "high" based on user preference with low pass filter bracketing available. It also has a convenient retractable XGA OLED viewfinder for eye-level shooting, which has been implemented with minimal change in overall body size from its predecessors.

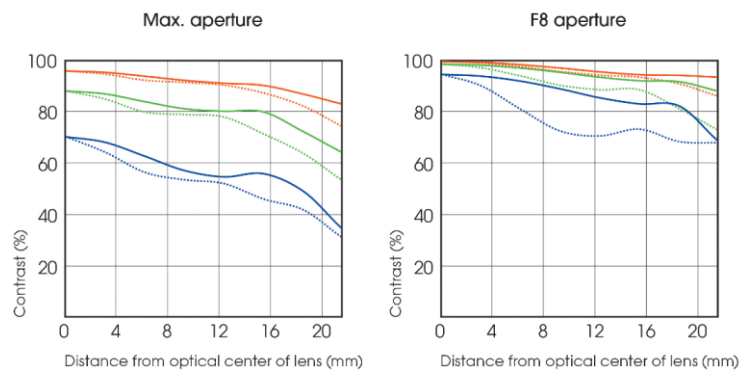
¹ Among digital cameras. As of October 2015 press release, based on Sony research.



Ultimate Image Quality in the Palm of Your Hand

The new RX1R II camera utilises a back-illuminated 35mm full-frame Exmor R® CMOS sensor with approximately 42.4 effective megapixels paired with a powerful BIONZ X processing engine to achieve superior levels of image resolution and sensitivity (ISO 100-25600, expandable to 50 – 102400²) with wide dynamic range. The sensor’s back-illuminated structure, with an expanded circuit scale and copper wiring design, enables faster transmission speed and outputs data approximately 3.5x faster than the original RX1R, ensuring high-speed performance.

Matched specifically for the image sensor, the large aperture 35mm F2 ZEISS® Sonnar T* lens ensures that all images captured by the camera are impressively sharp from the centre to the corners. The lens also has a unique Macro shift ring for focusing on subjects as close as 14cm in front of the lens, and has nine aperture blades that produce smooth, even background defocus or ‘bokeh’ in the most commonly used aperture ranges.



² Expanded ISO 50-102400 available only for shooting still images.

Another unique benefit of the new camera is its fixed lens design, which allows the positioning of its sensor and lens to be precisely adjusted to maximise all benefits of the sensor's extremely high resolution. The closer the two components are to one another, the wider the angle through which light can pass through the lens and directly reach the sensor, resulting in imagery that is rich in detail and resolution. Also, unlike the focal plane shutter common to interchangeable lens cameras, the RX1R II utilises an in-lens shutter, allowing 1/2000 sec flash synch speed and a significant reduction in overall body size.

The new RX1R II also offers uncompressed 14-bit RAW image capture to maximise the benefits of the image sensor's wide dynamic range, while also still supporting existing compressed format.



High Speed AF to Capture the Decisive Moment

The RX1R II is the first in Sony's acclaimed RX line of compact cameras to feature Fast Hybrid AF capabilities. The camera's sensor features 399 focal-plane phase-detection AF points that cover about 45% of the image area – the world's widest AF coverage on a full-frame sensor – that work together with 25 contrast AF points to achieve focus response that is about 30% faster than the original model. Additionally, the camera has adapted an advanced motion-detection algorithm that offers superior tracking performance of moving subjects and allows for the addition of AF-C mode that accurately tracks a subject after focusing. It also can achieve up to 5fps continuous shooting with AF tracking.

Other focusing improvements on the new model include multiple AF area settings including Wide, Centre and Flexible Spot, as well as Eye AF and lock-on AF.

World's First Optical Variable Low Pass Filter

As a first for digital cameras, the RX1R II features an optical variable low pass filter that allows shooters to manually adjust the balance of image resolution and presence of moiré or colour artifacts to match the subject.



The three settings for the low-pass filter³ include “off”, which provides comparable effects to having no low-pass filter and is suitable when prioritising resolution, “standard”, which strikes a balance between resolution and removal of moiré and colour artifacts, and “high”, which places more emphasis on reducing moiré and artifacting. This unique feature allows photographers to achieve the desired image quality and resolution based on the presence of moiré-inducing high spatial frequency objects in the scene, essentially combining two cameras – one with and without a low-pass filter – into one body. Low-pass filter bracketing is also available and can be used to compare the effects of different settings.



New Retractable XGA OLED Viewfinder, Tilttable Screen, HD Video and more

New to the RX1 series, the RX1R II has a built-in retractable XGA OLED Tru-Finder™⁴ that pops up and down with a simple one-push operation. The viewfinder features ZEISS® T* Coating and four glass elements, including two aspherical lenses, that work together to deliver a magnification of 0.74x⁵ and clear corner-to-corner visibility with minimal distortion. The new

³ Available only for shooting still images.

⁴ The XGA OLED Tru-Finder™ features 2,359,296 dots.

⁵ Approx. 0.74x with 50mm lens equiv. at infinity, -1m⁻¹ (diopter).

camera also has a 3.0 type WhiteMagic™ 1.2 million dot LCD display that can tilt upwards to 109 degrees and downwards to 41 degrees, allowing for a greater range of shooting angles and positions.

On the video side, the camera's advanced sensor and processor deliver exceptionally detailed movies with low levels of noise. It is able to support full HD 1920x1080 video recording at frame rates of 60p, 30p or 24p through use of the versatile XAVC S movie recording format.⁶

The new RX1R II camera is also Wi-Fi® and NFC compatible and fully functional with Sony's PlayMemories Mobile™ application available for Android™ and iOS platforms, as well as Sony's growing range of PlayMemories Camera Apps™.

A new version of the popular "Smart Remote Control" app⁷ from PlayMemories Camera Apps™ is coming soon. It enables remote shooting from your smartphone, and features updated bulb and continuous shooting functionality to match the new camera. Learn more at www.sony.net/pmca.

The new full-frame compact camera Cyber-shot RX1R II from Sony will be available from the beginning of December 2015 at HK\$26,490.

Order Now

From November 13 to November 23, 2015, the Cyber-shot RX1R II is available for preordering at all Sony Stores, Sony Store online (www.sony.com.hk/store) and Sony sales hotline at (852) 2345-2966 as well as authorized dealers. Customers will receive a Sony 64GB SDXC card SF-64UX2 (HK\$786), VF-49MPAM Filter (HK\$330) and NP-BX1 Battery (HK\$290) for free.

Customers can enjoy a special price offer of the below accessories upon purchase of the RX1R II.

	Special Offers
FDA-V1K Optical Viewfinder Kit	HK\$3,490 (Original Price\$4,990)
TGA-1 Thumb Grip	HK\$1,490 (Original Price HK\$1,990)
LHP-1 Lens Hood	HK\$990 (Original Price HK\$1,490)
LCJ-RXH Carrying Case	HK\$990 (Original Price HK\$1,390)

⁶ A class 10 or higher SDXC memory card is required to record movies in the XAVC S format.

⁷ Version 4.0.

For customer enquiries, please contact Sony hotline service at (852) 2345-2966.

About Hong Kong Marketing Company

Hong Kong Marketing Company (HKMC), a division of Sony Corporation of Hong Kong Limited, provides sales, marketing and after sales services for Sony's consumer electronics products as well as broadcast and professional products in Hong Kong and Macau. For more information on Sony's products and services, please visit our website at <http://www.sony.com.hk>.

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Specifications of Cyber-shot Full-frame digital camera DSC-RX1R II:

Model	DSC-RX1R II
Image sensor	
Type	35mm full frame (35.9×24.0mm), ExmorR CMOS sensor; With optical variable low-pass filter
Number of pixels (effective)	Approx. 42.4 megapixels
Number of pixels (Gross)	Approx. 43.6 megapixels
Lens	
Lens Type	Carl Zeiss Sonnar T*, 8 elements in 7 groups (3 aspherical elements including AA lens)
Focal Length (35mm equivalent)	f=35mm [Still image 3:2] f=35mm [Still image 4:3] f=38mm [Still image 16:9] f=37mm [Still image 1:1] f=44mm [Movie 16:9] f=44mm (SteadyShot On), f=37mm (SteadyShot Off)
F-number (maximum aperture)	F2
Focal Range (from the focal plane)	AF approx. 24cm(0.8feet) to infinity (When the macro switching ring is set to "0,3m-∞"), approx. 14cm(0.46feet) to 29cm(0.95feet) (When the macro switching ring is set to "0,2m-0,35m")
Focal Range (from the image sensor)	AF approx. 30cm(1feet) to infinity (When the macro switching ring is set to "0,3m-∞"), approx. 20cm(0.65feet) to 35cm(1.15feet) (When the macro switching ring is set to "0,2m-0,35m") Maximum magnification: 0.15x(When the macro switching ring is set to "0,3m-∞"), 0.26x(When the macro switching ring is set to "0,2m-0,35m")
Camera	
Imaging Processor	"BIONZ X"
Total Zoom Magnification	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
Main Functions	
Focus Type	Fast Hybrid AF(phase-detection AF/contrast-detection AF)
Focus Mode	Single-shot AF/ Continuous AF/ Direct Manual Focus (DMF) / Manual Focus (MF)
Focus Area	Wide (399 points (phase-detection AF), 25 points(contrast-detection AF))
Light Metering Mode	Multi Pattern/ Centre weighted / Spot
Aperture	F2-22
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 F2.0 is 1/2000sec.
ISO Sensitivity (Still Image)	ISO100-25600(1/3EV step)(expandable to ISO50/64/80/32000/40000/51200/64000/80000/102400), AUTO(ISO100-102400, selectable with upper / lower limit), Multi Frame NR: ISO100-102400(1EV step), AUTO(ISO100-102400, selectable with upper / lower limit)
ISO Sensitivity (Movie)	ISO100Level-ISO25600Level(1/3EV step), AUTO(ISO100Level-25600Level, selectable with upper / lower limit)
Exposure Compensation	+/- 5.0EV(1/3 EV steps selectable) , with exposure compensation dial: +/-3.0 EV (in 1/3 EV steps)
SteadyShot	Electronic type for Movie
White Balance	Auto/Daylight/Shade/Cloudy/Incandescent/Fluor (Warm White)/Fluor (Cool White)/Fluor (Day White)/Fluor (Daylight)/Flash/C. Temp./C.Filter/Custom
Shooting Mode (Still Image)	Program Auto/ Aperture Priority/ Shutter Priority/ Manual/ MR (Memory Recall) 1 / 2 / 3/ Movie Mode(Program Auto/ Aperture Priority/ Shutter Speed Priority/ Manual Exposure)/ Panorama/ Scene Selection/ AUTO(Intelligent Auto/Superior Auto)
Scene Selection	Portrait / Sports Action/ Landscape/ Sunset/ Night Scene/ Hand-Held Twilight/ Night Portrait / Anti Motion Blur
Panorama	Sweep Panorama
Creative Style	Standard / Vivid / Neutral / Clear / Deep / Light / Portrait / Landscape / Sunset / Night Scene / Autumn Leaves / Black & White / Sepia / Style Box
Picture Effect for Still	Toy Camera/ Pop Color/ Posterisation/ Retro Photo/ Soft High-key/ Partial Colour (R/G/B/Y)/ High Contrast Monochrome/ Soft Focus/ HDR Painting/ Rich-tone Monochrome/ Miniature/ Watercolor/ Illustration
Picture Effect for Movie	Toy camera/ Pop Color/ Posterization/ Retro Photo/ Soft High-key/ Partial Color(R/G/B/Y)/ High Contrast Mono.
Still Image: Number of Recorded Pixels (Image Size)	[3:2] L: 42M(7,952x5,304) M: 18M(5,168x3,448) S: 11M(3,984x2,656) [4:3] L: 38M(7,072x5,304) M: 16M(4,592x3,448) S: 9.4M(3,536x2,656) [16:9] L: 36M(7,952x4,472) M: 15M(5,168x2,912) S: 8.9M(3,984x2,240) [1:1]

	<p>L: 28M(5,296x5,296) M: 12M(3,440x3,440) S: 7.1M(2,656x2,656)</p> <p>[Sweep Panorama] Standard (3,872x2,160/8,192x1,856) / Wide(5,536x2,160/12,416x1,856)</p>
Dynamic Range Function	Off, Dynamic Range Optimizer (Auto/Level1-5), Auto High Dynamic Range: Off, Auto exposure difference, Exposure difference level (1.0-6.0EV, 1.0EV step)
Flash Mode	Flash Off / Autoflash / Fill-flash / Slow Sync. / Rear Sync. / Wireless(with optional compliant flash)
Continuous Shooting Speed (Maximum)	Speed Priority Continuous mode: Approx.5 fps, Continuous mode: Approx. 2.5 fps (AF-S)
Image Control	Contrast/ Saturation/ Sharpness/ Creative Style/ Color Space(sRGB / Adobe RGB)/ Quality(RAW / RAW&JPEG / Extra fine / Fine / Standard)/ uncompressed RAW/ 14bit RAW/ Long Exposure NR(On /Off)/ High ISO NR(Normal / Low / Off)/ Multi Frame Noise Reduction: Auto, ISO100-102400
Monitor	
LCD	7.5cm (3.0 type) (4:3) / 1,228,800 dots / Xtra Fine / TFT LCD Brightness Control: Auto / Manual (5 steps) / Sunny Weather mode
Viewfinder	0.39-type electronic viewfinder(OLED), 2,359,296dots Brightness Control: Auto / Manual (5 steps) Magnification: Approx. 0.74x with 50mm lens equiv. at infinity, -1m-1(diopter)
Recording	
Recording Media * w/ Adaptor (not supplied)	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PRO-HG Duo, Memory Stick Micro*, Memory Stick Micro (Mark2) *, SD Memory Card, SDHC Memory Card, SDXC Memory Card, microSD Memory Card*, microSDHC Memory Card*, microSDXC Memory Card*
Recording File 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 Movie Audio: XAVC S:LPCM 2ch, AVCHD:Dolby Digital(AC-3) 2ch(Dolby Digital Stereo Creator), MP4:MPEG-4 AAC-LC 2ch
Movie Recording Mode	PAL/NTSC Selector: [PAL] mode AVCHD: 28M PS(1,920x1,080/50p) / 24M FX(1,920x1,080/50i) / 17M FH(1,920x1,080/50i) / 24M FX(1,920x1,080/25p) / 17M FH(1,920x1,080/25p),XAVC S HD:50p 50M(1,920x1,080/50p) / 25p 50M(1,920x1,080/25p) / 100p 50M(1,280x720/100p),MP4: 28M(1,920x1,080/50p) / 16M(1,920x1,080/25p) / 6M(1,280x720/25p) PAL/NTSC Selector: [NTSC] mode AVCHD: 28M PS(1,920x1,080/60p) / 24M FX(1,920x1,080/60i) / 17M FH(1,920x1,080/60i) / 24M FX(1,920x1,080/24p) / 17M FH(1,920x1,080/24p),XAVC S HD:60p 50M(1,920x1,080/60p) / 30p

	50M(1,920x1,080/30p) / 24p 50M(1,920x1,080/24p) / 120p 50M(1,280x720/120p),MP4: 28M(1,920x1,080/60p) / 16M(1,920x1,080/30p) / 6M(1,280x720/30p)
Interface	
Input and Output Terminal	Multi/Micro USB Terminal, Micro HDMI, Microphone(3.5 mm 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 (2.4 GHz band))
General	
Battery	NP - BX1 (supplied) USB Charge/USB Power Supply: Yes (supplied AC Adaptor)
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")
Weight	Approx. 507g (1 lb 1.9 oz.)(Battery and Memory Stick Duo included) / Approx. 480g (1 lb 0.9 oz.)(Body only)
Print	Exif Print, PRINT Image Matching (PIM3)
Others	PlayMemories Camera Apps, Smart Teleconverter (approx. 1.4x / 2x), Face Detection, Face Registration, Smile Shutter, Quick Navi, Grid Line, Digital Level Gauge (pitch and roll), Exposure Bracketing, White Balance Bracketing, DRO Bracketing, Flash Bracketing, LPF bracketing, Peaking, MF Assist, Auto Object Framing, Eye AF, Zebra, Marker Display, Photographer Name & Copyright, ISO Auto Minimum Shutter Speed, PC Remote Control

Features and specifications are subject to change without notice.