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DSC-RX10M3/B

Cyber-shot Digital Camera RX10 III

Now, nothing is beyond reach. Aim for more dramatic stills and movies from wide-angle to ultra-telephoto. The 24-600mm¹ (25x) ZEISS® Vario-Sonnar T* lens offers a bright F2.4-4 max aperture that can take full advantage of the large 1" 20.1 MP image sensor. See subjects stand out beautifully in all kinds of scenes from wide-angle landscapes to ultra-telephoto sports action.

Key Features

High zoom 24-600mm¹ (25x) F2.4-4.0 ZEISS® Vario-Sonnar T* lens

The RX10 II features an astonishing 24-600mm¹ (25x) zoom range in a bright F2.4-4 lens that can take full advantage of the large 1" (1.0-type) image sensor. See subjects stand out beautifully in all kinds of scenes from wide-angle landscapes to ultra-telephoto sports action. The 9-blade circular aperture unit creates a nearly perfect circle throughout the aperture range of F2.4 to F11 which creates beautiful bokeh, for background defocus that amplifies dimensionality and ensures that point light sources appear as circles in images. Eight ED glass elements including two ED aspherical and one Super ED lenses compensate for the chromatic aberration that could otherwise be apparent in telephoto shots, and ZEISS® T* Coating helps reduce flare and ghosting, achieving high contrast plus sharp image quality throughout the zoom range. An advanced aspherical

(AA) lens enhances reproduction of detail and keeps the large-aperture lens as compact as possible.

20.1 MP 1" Exmor RS® stacked back illuminated CMOS sensor w/ DRAM

The large 1" (1.0-type) stacked 20.1 MP CMOS image sensor with DRAM chip performs at blazingly fast shutter speed of up to 1/32000, captures images at up to 14 fps (frames per second), ultra-sharp 4k movie without pixel binning and super slow-motion HFR (High Frame Rate) recording of up to 960fps (40x) movie clips – not to mention remarkable low-light low-noise capability.

4K movie recording² w/ direct pixel readout and no pixel binning³

Full pixel readout without pixel binning collects approx. 1.7 times as much information as is required for 4K (QFHD: 3840 x 2160) movie² output. This oversampling effect enhances image detail as it minimizes moiré and jaggies. A high-speed front-end LSI helps the BIONZ X image processing engine reduce image skew, smear and wobble (resulting from rolling shutter phenomenon) that can otherwise distort how fast-moving subjects look in 4K movies. High-bit-rate (up to 100Mbps) XAVC S³ format ensures high-quality movies with minimal noise from compression.

Ultra telephoto super slow motion⁴ at up to 960fps (40x)

See the unseen with super-speed HFR (High Frame Rate).

The stacked CMOS sensor enables shooting at an extra-high frame rate up to 960fps (40x) high-speed shooting of exceptionally clear, smooth close-up action, all the way up the ultra-telephoto range, ideal for sports events, etc. So the camera can capture great close-ups of faraway players on fields in arenas in super slow motion detail. You can choose from 960fps, 480fps or 240fps⁴ to playback in XAVC S at 1920 x 1080, in 60p, 30p or 24p. Choose between "quality priority" (2 sec.) and "shoot time priority" (4 sec.). There's also an option to set "start trigger" or "end trigger" which will start capturing movie before or after you press the movie rec. button so you can time those split-second moments perfectly.

Fast Intelligent autofocus as quick as 0.09-sec.⁵

Along with great zoom range coverage up to 600mm¹, the RX10 III features 0.09-sec.⁵ high-speed AF (autofocus). By assessing the subject even before the shutter button is pressed halfway, the system's subject detection algorithm accurately predicts the proper point of focus letting users capture decisive moments of sports and other events. Smooth, accurate focus is effective in shooting 4K movies, for which accurate focus is especially crucial, as well as stills.

Super-speed Anti-Distortion Shutter at max. 1/32000 sec.

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Thanks to dramatically accelerated sensor readout, shutter speeds of up to 1/32000 sec. minimize distortion caused by rolling shutter phenomenon. This new blazing-fast - Anti-Distortion Shutter system — can capture shots of swiftly moving subjects without altering their shape as conventional CMOS sensors tend to do. Additionally, the super high speed shutter gives you freedom to shoot photos with defocused backgrounds by using large aperture settings under very bright lighting conditions. This is achieved by a combination of 1/32000 super high speed shutter and built-in ND filter that allows photos to be shot in extremely bright light at a maximum of EV19 with a fully open F-number aperture setting.

Catch the decisive moment at 14 fps⁷

Despite its high pixel count of over 20 megapixels, the camera features accelerated readout for continuous shooting up to 14fps⁷ with reduced blackout. This allows for decisive moments of subjects in motion to be captured entirely, without missing even a little action.

Enhanced operability

Rings for focus, zoom and aperture around the lens can be smoothly operated. For convenient shooting, you can turn Aperture Click Switch on for stepwise clicks of assurance, or off for a quiet, smooth feel when setting the aperture.

Professional dust/moisture resistant⁸ magnesium-alloy body

Combined with dust- and moisture-resistant design⁸, the use of highly rigid magnesium alloy material for the top cover, front cover, and main chassis makes the body solid yet light, ensuring heavy-duty performance in various tough situations.

Bright XGA OLED Tru-Finer™ electronic viewfinder

View every scene in rich detail with the bright XGA OLED Tru-Finer™ electronic viewfinder (EVF) with high resolution equivalent to approx. 2,359k-dots. The viewfinder faithfully displays what will appear in your recording, including the effects of your camera settings, so you can accurately frame your image, focus and monitor the results. The ZEISS® T* coating enhances clarity and reduces flare and reflection in the eyepiece optics.

Large multi-angle 3 Xtra Fine™ LCD display

Frame your images easily with a large 3" (1,229k dots) Xtra Fine™ LCD Display that rotates in multiple angles. This also makes it easy to photograph over crowds or low to capture pets eye to eye by swinging up approx. 107° and down approx. 42°. Easily scroll through menus and preview life thanks to WhiteMagic™ technology that dramatically increases visibility in bright daylight. The large display delivers brilliant-quality still images and movies while enabling easy focusing operation.

Simple connectivity to smartphones via Wi-Fi® and NFC™ - control, shoot and share

Thanks to built-in Wi-Fi®, you can easily connect to a compatible iOS or Android™ smartphone or tablet with the free PlayMemories™ Mobile App. From there you can control your camera, preview and frame using your mobile device and trigger the camera shutter or movie button. Then instantly transfer a photo or MP4 movie to your device. NFC™ (Near Field Communication) provides "one-touch connection" convenience to Android™ smartphones and tablets with NFC. Simply touch devices to connect. Setting up your mobile device is as simple as downloading a free PlayMemories Mobile app (www.sony.net/pmm/).

Personalize your camera with PlayMemories™ Camera Apps⁶.

Add new features to your RX10 II with PlayMemories™ Camera Apps⁶. Find apps to fit your shooting style - with everything from time lapse to motion shot and more. Use apps that shoot, share and save photos to your smartphone using Wi-Fi®, making it easy to post photos directly to your favorite social media site or backup images to the cloud without connecting to a computer.

Optical SteadyShot™ image stabilization with 4.5-stop faster shutter effect⁹

Optical image stabilization technology developed exclusively by Sony is valuable for hand-held still and movie shooting, especially in low light or at the ultra-telephoto end of the zoom range up to 600mm (35mm equivalent). This system is equivalent to a 4.5-stop*-faster shutter speed, and prevents camera blur to ensure smooth, stable framing and shooting.

⁹ CIPA-standard, pitch/yaw directions, at 600mm focal length (tele-end)

Macro shooting as close as 1.18" from the subject

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The RX10 III's advanced macro shooting capability lets you take great shots as close as 1.18" at 0.42x magnification (at the wide end) or 28.35" at 0.49x (at the tele end). Optical image stabilization technology is valuable for hand-held still and movie shooting, especially in low light or at the ultra-telephoto end of magnification away from the subject. Camera focus can also be set from infinity to close-up without having to switch to macro mode.

Photo capture from 4K and 17MP dual record while shooting movie

The new Exmor RS® sensor's heightened processing speed enables the RX10 III to select a decisive moment from a movie recording and save it as a picture, in the form of a highly detailed 8-megapixel still image file from a 4K movie. From Full HD footage, you can create a 2-megapixel still image file or use dual record⁹ to capture high-precision still images up to 17MP while recording a movie.

Enhanced pro-video functions and NTSC/ PAL switchable

The RX10 III includes professional movie functions such as; Picture Profile, S-Log2/S-Gamut, TC/UB (time code / user bit), Rec Control, Dual Video Recording, marker display function, etc. that have typically been available only in professional-use camcorders. You also have the choice of region setting between NTSC and PAL movie frame rates.

Built-in ND filter for wider-ranging photographic expression

Realize a wider range of photographic expression with built-in 1/8 (3 EV stops) ND filter that allows the use of wider aperture for defocused backgrounds even in bright daylight.

HDMI® clear output for uncompressed video recording

Clean, uncompressed digital movie signal output can be transferred to an external monitor/recorder connected to the RX10 III via the HDMI® terminal. The RX10 III can record video simultaneously to internal media and uncompressed video to the external recorder in real time.

Zoom Assist¹⁰

If you lose track of the subject during framing, pressing a custom button to activate this function triggers an automatic zoom-out to help in finding the subject again quickly, especially when framing a shot with the ultratelephoto end of the lens.

Specifications

Imaging Sensor	
Effective Picture Resolution	20.1M pixels (approx.)
Imaging Sensor	Exmor® RS 1.0" CMOS sensor (13.2 x 8.8mm) (3:2 aspect ratio)
Pixel Gross	21.0M pixels (approx.)
Processor	BIONZ® X image processor
Recording	
Audio Format	XAVC S:LPCM 2ch AVCHD:Dolby Digital(AC-3) 2ch(Dolby Digital Stereo Creator) MP4:MPEG-4 AAC-LC 2ch
Color Space	sRGB, Adobe RGB
Media Type	Memory Stick Duo Memory Stick PRO Duo Memory Stick PRO Duo (High Speed) Memory Stick PROHG Duo Memory Stick Micro®9 Memory Stick Micro (Mark2)®9 SD, SDHC, SDXC Memory Card (UHS-I) microSD, microSDHC, microSDXC Memory Card®9 ®9 with Adaptor (optional)
Panorama Still Image Size	Wide (12,416×1,856/5,536×2,160), Standard (8,192×1,856/3,872×2,160)
Still Image File Format	JPEG (DCF Ver.2.0,Exif Ver.2.3,MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Still Image Size 16:9	L: 17M(5,472×3,080) / M: 7.5M(3,648×2,056) / S: 4.2M(2,720×1,528)
Still Image Size 1:1	L: 13M(3,648×3,648) / M: 6.5M(2,544×2,544) / S: 3.7M(1,920×1,920)
Still Image Size 3:2	L: 20M(5,472×3,648) / M: 10M(3,888×2,592) / S: 5M(2,736×1,824)

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Still Image Size 4:3	L: 18M(4,864×3,648) / M: 10M(3,648×2,736) / S: 5M(2,592×1,944) / VGA
Video Format	XAVC S, AVCHD format Ver.2.0 compatible, MP4
	NTSC/PAL Selector: (PAL) mode AVCHD: PS - 1,920 x 1,080 / 50p @ 28Mbps FX - 1,920 x 1,080 / 50i @ 24Mbps FH - 1,920 x 1,080 / 50i @ 17Mbps FX - 1,920 x 1,080 / 25p @ 24Mbps FH - 1,920 x 1,080 / 25p @ 17Mbps XAVC S 4K: 3,840 x 2,160 / 25p @ 100Mbps 3,840 x 2,160 / 25p @ 60Mbps XAVC S HD: 1,920 x 1,080 / 50p @ 50Mbps 1,920 x 1,080 / 25p @ 50Mbps 1,920 x 1,080 / 100p @ 100Mbps 1,920 x 1,080 / 100p @ 60Mbps MP4: 1,920 x 1,080 / 50p @ 28Mbps 1,920 x 1,080 / 25p @ 16Mbps 1,280 x 720 / 25p @ 6Mbps
Video Resolution	(NTSC) AVCHD: PS - 1,920 x 1,080 / 60p @ 28Mbps FX - 1,920 x 1,080 / 60i @ 24Mbps FH - 1,920 x 1,080 / 60i @ 17Mbps FX - 1,920 x 1,080 / 24p @ 24Mbps FH - 1,920 x 1,080 / 24p @ 17Mbps XAVC S 4K: 3,840 x 2,160 / 30p @ 100Mbps 3,840 x 2,160 / 30p @ 60Mbps 3,840 x 2,160 / 24p @ 100Mbps 3,840 x 2,160 / 24p @ 60Mbps XAVC S HD: 1,920 x 1,080 / 60p @ 50Mbps 1,920 x 1,080 / 30p @ 50Mbps 1,920 x 1,080 / 24p @ 50Mbps 1,920 x 1,080 / 120p @ 100Mbps 1,920 x 1,080 / 120p @ 60Mbps MP4: 1,920 x 1,080 / 60p @ 28Mbps 1,920 x 1,080 / 30p @ 16Mbps 1,280 x 720 / 30p @ 6Mbps
Optics/Lens	
Aperture	iAuto(F2.4/F11) / Program Auto(F2.4/F16) / Manual(F2.4/F16) / Shutter Priority(F2.4/F11) / Aperture Priority(F2.4/F16)
Aperture (Max.)	F2.4(W)-4.0(T)
Aperture Blade	Iris diaphragm (9 blades)
Aspheric Elements	6 aspheric elements including AA lens
Clear Image Zoom	Still Image: 20M Approx. 50x / 10M Approx. 70x / 5M Approx. 100x / VGA Approx. 380x; Movie: Approx. 50x
Digital Zoom	Still Image: 20M Approx. 100x / 10M Approx. 140x / 5M Approx. 200x / VGA Approx. 380x; Movie: Approx. 100

Focal Length (35mm equivalent)	(Still Image 3:2) f=24-600mm (Still Image 4:3) f=27-650mm (Still Image 16:9) f=26-630mm (Still Image 1:1) f=31-760mm (Movie 16:9) f=26-630mm (SteadyShot Standard), f=27-890mm (SteadyShot Active), f=30-910mm (SteadyShot Intelligent Active) (Movie 4k16:9) f=28-680mm (SteadyShot Standard) (HFR 960fps) f=42-990mm (Quality Priority), f=60-1390mm (Shoot Time Priority) (HFR 480fps) f=28-680mm (Quality Priority), f=42-990mm (Shoot Time Priority) (HFR 240fps) f=26-630mm (Quality Priority), f=28-680mm (Shoot Time Priority)
Lens Groups-Elements	18 elements in 13 groups (6 aspheric elements including AA lens)
Lens Type	ZEISS Vario-Sonnar T* Lens
Minimum Focus Distance	AF (W:Approx.3cm(0.10 ft.) to infinity, T:Approx.72cm(2.36 ft.) to infinity), Focus Range from the image sensor: AF (W:Approx. 18cm(0.59 ft.) to infinity, T:Approx. 92cm(3.02 ft.) to infinity) (from the front of the lens)
Optical Zoom	25x (Optical Zoom during movie recording)
Steady Shot Mode:Active	(Still image) Optical, (Movie) Intelligent Active Mode, Optical type with electronic compensation (Anti Rolling)
Viewfinder	
Diopter Adjustment	-4.0 to +3.0m ⁻¹
Magnification	Approx. 0.70x with 50mm lens at infinity, -1m ⁻¹ (diopter) (35mm equiv.)
Type	0.39" XGA electronic viewfinder(OLED), 2,359,296dots
LCD Display	
Angle Adjustment	Up by approx. 107 degrees, down by approx. 42 degrees
Brightness Control	Manual (5 steps) / Sunny Weather
Coverage	100% Field of View
Histogram	Yes (On/off)
LCD Type	3.0" (7.5cm) (4:3) / 1,228,800 dots / Xtra Fine / TFT LCD
Focus Control	
AF Illuminator	Auto / Off
AF Modes	Single-shot AF (AF-S) / Continuous AF (AF-C) / Direct Manual Focus (DMF) / Manual Focus
Focus Area	Wide / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot / Lock on AF (Wide/ Center/ Flexible Spot (S/M/L) / Expanded Flexible Spot)
Focus Sensitivity	EV 2 to 22 (at ISO100 equivalent)
Focus System	Contrast detection AF
Exposure System	
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box
D-Range Optimizer	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))
Exposure Compensation	+/- 3.0EV, 1/3EV step
Exposure Settings	AUTO (Intelligent Auto/Superior Auto) Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure MR(Memory Recall) 1,2,3 (Movie) Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure) (HFR) Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure) Panorama Scene Selection
ISO	Auto (ISO100-12800, selectable with upper / lower

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ISO Sensitivity (Movie)	Auto:(ISO100Level-ISO12800Level, selectable with upper / lower limit), 100/125/160 /200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800
Metering Modes	Multi Pattern, Center Weighted, Spot
Metering Sensitivity	EV 2 to 22 (at ISO100 equivalent)
Minimum Illumination	Movie: Auto:2.4lux(Shutter Speed 1/30")
Picture Effect(s)	(Still Image) Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Monochrome, Soft Focus, HDR Painting, Richtone Monochrome, Miniature, Watercolor, Illustration (Movie) Toy Camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Monochrome
Scene Mode(s)	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti Motion Blur
WB Shift	YesG7 to M7,57-stepA7 to B7,29-step
White Balance Mode	Auto / Daylight / Shade / Cloudy / Incandescent / Fluor (Warm White) / Fluor (Cool White) / Fluor (Day White) / Fluor (Daylight) / Flash / C. Temp., Filter / Custom
Drive System	
Continuous Shooting Speed	Speed Priority Continuous Shooting: approx. 14 fps, Continuous Shooting: approx. 5 fps *6 *6 Speed will be slowing after taking some shots.
Drive Mode	Single, Continuous shooting, Speed priority continuous shooting, Self-timer, Self-timer (Cont.), Cont., Single, White balance, DRO bracketing*7 *7 Self-Timer is available.
Self-timer	10 sec. / 5 sec. / 2 sec. / 3 or 5 consecutive shots with 10sec. 5sec. or 2sec. delay selectable / Bracketing shots with 10sec. 5sec. or 2sec. delay selectable
Shutter Speeds	iAuto (4"-1/2000*) / Program Auto(30"-1/2000*) / Manual Exposure(Bulb, 30"-1/2000*) / Aperture Priority(30"-1/2000*) / Shutter Priority(30"-1/2000*) *At F8 or greater aperture value. Fastest limit at F2.4 is 1/1000.
Flash	
Flash Bracketing	Yes
Flash Compensation	+/- 3.0 EV (1/3 EV steps)
Flash Coverage	ISO Auto: Approx.1.0m to 10.8m (3.28 ft. to 35.43 ft.) (W) / Approx. 1.0m to 6.5m (3.28 ft. to 21.33 ft.) (T), ISO12800: up to Approx. 20.8m (68.24 ft.) (W) / Approx. 12.8m (41.99 ft.) (T)
Flash Modes	Auto / Flash On / Slow Synchro / Rear Sync. / Flash Off / Wireless (with optional compatible flash)
Flash Type	Built-in, manual pop-up
Recycling Time	Approx. 5 sec.
Advanced Features	
Face Detection	On, Off, Face Registration, Face Selection; maximum eight faces detected
Image Stabilization	(Still Image) Optical (Movie) Intelligent Active Mode, Optical type with electronic compensation (Anti Rolling)
Priority Setting (for Face Detection)	Yes (eight faces max) New Registration / Order Exchanging / Delete / Delete All
Sweep Panorama	Sweep Panorama
Interface	
NFC	NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing
Wi-Fi	Yes(IEEE802.11b/g/n(2.4GHz band))
Weights and Measurements	
Dimensions (Approx.)	5 1/4" x 3 3/4" x 5 1/8" (132.5 x 94.0 x 127.4mm) (CIPA compliant)
Weight (Approx.)	2lb 6.7 oz. (1095 g) (Battery and Memory Stick Duo are included)
Weight(Approx) (Main unit only)	2lb 5.1oz. (1051 g)
Power	



Battery Capacity	7.3Wh (1020mAh) (for shooting)
Battery Type	Rechargeable battery pack NP-FW50
Power Consumption (in Operation)	Approx. 2.3W with LCD monitor and approx. 2.6W with viewfinder(CIPA standard)
Accessories	
Supplied Accessories	Rechargeable Battery Pack NP-FW50 AC AdaptorAC-UUD12 Micro USB cable Shoulder strap Lens cap Shoe cap Lens hood Eyepiece Cup Instruction Manual

1. 35mm equivalent
2. Records in up to 29 minute segments.
3. An SDXC memory card of Class 10 or higher is required.
4. Sound cannot be recorded when shooting slow motion.
5. CIPA standard, internal measurement, at 24mm (Wide), EV8.2, Program Auto, AF area: Center, with NTSC mode
6. PlayMemories camera apps require download with existing Sony Entertainment Network account. Download available in all countries/areas where Sony Entertainment Network is available.