

**SONY**  
make.believe

The professional's compact camera



**Cyber-shot RX100**

The Power of Imaging

## Point and shoot supremacy.

Exquisite image quality and high-end handling are now available for the first time in a truly compact camera — the Cyber-shot® RX100 camera. Featuring a large image sensor and bright f1.8 aperture lens with control ring, it delivers supreme light sensitivity, gorgeous background defocusing, high image accuracy and SLR-like operation that empower you to express yourself like never before. Open your eyes to the creative possibilities in a go-anywhere package.



1/25sec. F3.2 ISO1600

The bright lens and large sensor deliver beautiful selective focus effects.



1/60sec. F1.8 ISO125

Effective 20.2-megapixel resolution captures every delicate detail.



1/40sec. F2.8 ISO125

# Unlock the power of imaging.



## Enormous 1 inch Exmor<sup>®</sup> CMOS image sensor



**Exmor<sup>™</sup>**  
CMOS Sensor

The huge dimensions of this specially developed Exmor CMOS sensor capture more light from your scene and reproduce every stunning detail with greater fidelity. Original dual noise reduction and column A/D conversion also decrease noise to ensure smooth, clear reproduction even in low-light conditions at approx. 20.2-megapixel effective resolution.

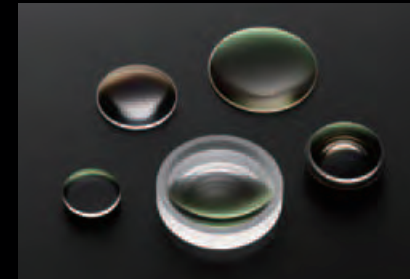


1.0 inch  
(13.2 x 8.8 mm)  
Exmor CMOS sensor

Generic 1/2.3 inch (7.76  
mm diagonal) sensor



## High-performance Carl Zeiss<sup>®</sup> Vario-Sonnar T\* lens



Legendary Carl Zeiss optics and unrivaled Sony imaging technology come together in one extraordinary lens. Despite compact dimensions, it offers supremely accurate performance, powerful 3.6x optical zoom capabilities and an enormous F1.8 circular aperture for gorgeous background defocusing with beautiful bokeh.

## Sophisticated high-speed BIONZ<sup>®</sup> image processor



Sony's blazing-fast BIONZ imaging engine employs powerful algorithms to transform data captured by the CMOS sensor into stunningly beautiful images with accurate color, rich tonal gradations and minimal noise. Its advanced design also handles demanding tasks like up to 10 fps continuous shooting and Multi Frame NR with utmost precision.

Wide-ranging sensitivity reveals the beauty of every scene.



1/2.5sec. F1.8 ISO125

Clarity when shooting and displaying moving subjects in the sun.



1/2000sec. F2.2 ISO200

## Capture every detail in virtually any lighting.

Shoot almost anywhere thanks to wide-ranging ISO sensitivity.



ISO125

ISO3200

ISO6400

You can shoot in almost any lighting with natural results thanks to sensitivity that ranges from ISO 125 to 6400. Let the Auto ISO mode determine the most appropriate setting automatically, or manually expand sensitivity as low as ISO 80\*. The bright lens, extra-large sensor and precision image processing work together to ensure remarkably low noise in everyday shooting situations.

\*Setting the ISO value lower than ISO 125 may narrow the range of recordable subject brightness (dynamic range).

## Achieve amazing clarity in dim lighting with Multi Frame NR.



Six images for superimposing

Composited result

Even the darkest, most challenging scenes are captured with remarkable clarity by Multi Frame NR. This feature enables high-sensitivity shooting up to an equivalent of ISO 25600\* by seamlessly superimposing six images and achieving noise reduction equivalent to a 2-stop lower ISO setting. It can also be used in combination with P/A/S/M modes for enhanced creative control.

\*ISO 12800 and higher ISO settings are achieved through superimposing and By Pixel Super Resolution technology.

Record beautiful movies at a stunning Full HD resolution.



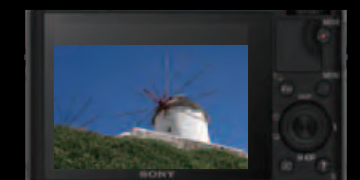
AVCHD Progressive

Full HD 1080

Create movies of amazing clarity that play extra smoothly by recording them at Full HD resolution (1920 x 1080 pixels) in the AVCHD™ Ver. 2.0 (Progressive) format — at the extremely high frame rate of 60\* fps. You can even record fast-moving subjects and dark environments with astonishing clarity thanks to the combined advantages of the new image sensor and lens. Furthermore, P/A/S/M modes can expand your moviemaking creativity.

\*NTSC

View images clearly in bright sunlight.



WhiteMagic.

The new 3 inch (7.5cm) high-precision monitor enhances outdoor viewing through advanced WhiteMagic™ technology, which combines white and RGB pixels to boost brightness and visibility. TruBlack™ technology also raises contrast, reduces surface reflections and deepens blacks for more true-to-life reproduction on the 1,229k-dot screen.

Precision tuning gives your perfectionism free rein.



1/25sec. F5.6 ISO100

Intuitive operation simplifies creative photography.



1/2000sec. F1.8 ISO80

## Enjoy subtle accuracy and intuitive control.

Intuitively adjust settings with the control ring and interface.

Simply rotate the control ring around the lens while viewing the new user-friendly interface to adjust camera settings ranging from zoom magnification to aperture and Picture Effect with ease. The ring turns smoothly and steplessly as the LCD provides clear feedback to allow precise, intuitive adjustment. Such precision is usually reserved for SLR cameras and will satisfy your most exacting demands.



Instantly access functions with the Function button.



Your favorite, most frequently used functions are only a press away thanks to the easily customizable Function button. Just press the button and turn the control ring for the ultimate in carefree parameter adjustment. Up to 7 functions can be assigned to the Function button from a list of 17 possibilities.

Fine-tune images via Photo Creativity interface.



Now it's easy to achieve exactly the look you desire. Just rotate the rear control dial to intuitively fine-tune properties of your image in real-time on the screen. This Photo Creativity interface lets you adjust Background Defocus, Color, Brightness and Vividness as well as overlay these multiple effects.

The freedom to express subtle color details on a grand scale.



3.2sec. F4.5 ISO200

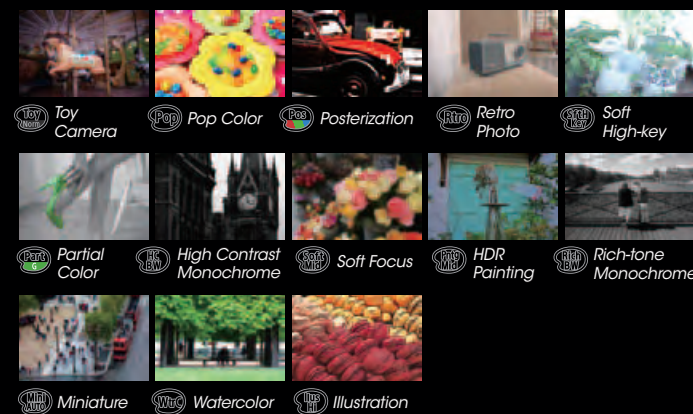
Picture Effect brings out your inner artist.



1/1000sec. F5.0 ISO125

Fill your images with personality and panache.

Artistically transform photos and movies via Picture Effect.



Everyday scenes become fascinating works of art when you apply any of the 13 effects of Picture Effect, including newly added High Contrast Monochrome, Posterization, Retro Photo and Soft Focus.

Add Creative Style settings for the perfect finishing touch.



Sunset

Bring out the character of your scene by applying the Standard, Vivid, Portrait, Landscape, Sunset or B/W mode. The Cyber-shot® RX100 camera appropriately adjusts the color and other image parameters, while letting you customize contrast, saturation (where applicable) and sharpness as you please.

## Free yourself from creative limitations.

### Compose portraits like a professional.

Auto Portrait Framing automatically trims portraits to create beautifully balanced compositions in the landscape or portrait orientation. The image has the same number of pixels as the saved original image, thanks to Sony's proprietary By Pixel Super Resolution Technology.

### Focus automatically, manually or with DMF.

Use highly responsive Single-shot AF or Continuous AF to focus on your subject in as little as 0.13 seconds\*. Enjoy total focusing freedom with the Manual Focus mode. Or enter the Direct Manual Focus (DMF) mode to begin with autofocus and switch to manual.

\*According to internal Sony testing. Results may vary depending on shooting conditions such as atmospheric brightness.

### Shoot steadily from your hand.

Optical SteadyShot™ technology compensates for camera shake blur to deliver sharp images during handheld shooting. When shooting movies, Optical SteadyShot stabilization (Active Mode)\* further enhances stabilization to compensate for larger hand movements.

\*Combined with electronic stabilization.

### Enjoy point-and-shoot simplicity.

Superior Auto mode detects and analyzes shooting conditions and adjusts camera settings to automatically achieve beautiful results even in challenging nighttime and backlit scenes. It also activates advanced functions like Auto HDR when helpful.

### D-Range Optimizer (DRO)

### Auto HDR

### MF Assist and Peaking functions

### Memory Recall (MR)

### Clear Image Zoom

### Digital Level Gauge

### Up to 10 fps continuous shooting

### Sweep Panorama™ Mode

### Soft Skin Effect

### Face Registration

### Scene Selection

### RAW shooting

### New longer lasting battery

### Charging via USB cable

## Further expand your shooting pleasure.



### DSC-RX100

- |                                                       |                                  |
|-------------------------------------------------------|----------------------------------|
| 1 Hook for strap                                      | 14 MENU button                   |
| 2 Zoom lever                                          | 15 MOVIE (Movie) button          |
| 3 Self-timer lamp/ Smile Shutter lamp/ AF illuminator | 16 Micro USB connector           |
| 4 Control ring                                        | 17 Speaker                       |
| 5 Lens                                                | 18 LCD screen                    |
| 6 Mode dial                                           | 19 Tripod socket hole            |
| 7 Flash                                               | 20 HDMI micro jack               |
| 8 Microphone                                          | 21 Memory card slot              |
| 9 Power/Charge lamp                                   | 22 Battery insertion slot        |
| 10 ON/OFF (Power) button                              | 23 Playback button               |
| 11 Shutter button                                     | 24 In-Camera Guide/Delete button |
| 12 Light sensor                                       | 25 Control wheel                 |
| 13 Fn (Function) button                               |                                  |

## The enjoyment continues after you shoot.



### Image Data Converter

Enjoy advanced features for manipulating, converting and managing the full-resolution RAW images you capture. While viewing the images, you can expertly adjust exposure, white balance, tonal curves, saturation, contrast, hue, sharpness and more.

### PlayMemories Home™



This convenient software makes it easy to download photos to a computer for viewing, editing, printing, sharing (via e-mail or web upload), burning to disc or retouching.

### PlayMemories Studio™



Now you can enjoy photos and movies on your entertainment system, thanks to PlayMemories Studio software for the PS3™ system.

\*Optional software

### PlayMemories Online™



Shoot photos and videos with your favorite camera or smartphone and effortlessly enjoy them on your tablet, computer, connected BRAVIA® TV and more! Start with 5GB of free storage space! For details, visit <http://playmemoriesonline.com>

# Specifications

Image Sensor	
Sensor Type	1.0 inch (13.2 x 8.8mm) Exmor <sup>®</sup> CMOS sensor, aspect ratio 3:2
Number of pixels	[Effective] Approx. 20.2 megapixels [Gross] Approx. 20.9 megapixels
Lens	
Lens Type	Carl Zeiss <sup>®</sup> Vario-Sonnar T*, 7 elements in 6 groups (4 aspheric elements including AA lens)
F-number (Maximum Aperture)	F1.8 (W) - F4.9 (T)
Aperture Blades	Iris diaphragm (7 blades)
Focal Length (f =)	f=10.4 - 37.1mm
35mm film equivalent	[Still Image 3:2] f = 28-100mm [Still Image 16:9] f = 29-105mm [Still Image 4:3] f = 30-108mm [Still Image 1:1] f = 36-127mm [Movie 16:9] f = 29-105mm (SteadyShot Standard), f = 33-120mm (SteadyShot Active mode) [Movie 4:3] f = 36-128mm (SteadyShot Standard), f = 41-146mm (SteadyShot Active mode)
Focus range (from the front of the lens)	AF approx. 5cm to infinity (W), approx. 55cm to infinity (T)
Optical Zoom	3.6 x (Optical Zoom during movie recording)
Clear Image Zoom <sup>1</sup> Still Image	7.2x
Digital Zoom <sup>1</sup> Still Image	20M approx. 14x / 10M approx. 20x / 5M approx. 28x / VGA approx. 54x
	Movie 14x
Screen	
Screen Type	3.0 inch (7.5cm) (4:3) / 1,229,000 dots / Xtra Fine LCD <sup>™</sup> / TruBlack <sup>™</sup> / TFT LCD
Brightness Control	Auto / Manual (5 steps) / Sunny Weather mode
Camera	
SteadyShot <sup>®</sup>	[Still image] Optical [Movie] Active Mode, Optical type with electronic compensation (Anti-rolling)
Focus Mode	Single-shot AF (AF-S) / Continuous AF (AF-C) / Direct Manual Focus (DMF) / Manual Focus
Focus Area	Multi point AF (25 points) / Center weighted AF / Flexible spot / Flexible spot (tracking focus) / Flexible spot (face tracking)
Light Metering Mode	Multi segment / Center weighted / Spot
Exposure Compensation	+/- 3.0EV, 1/3EV step
ISO Sensitivity (Still Image)	Auto (ISO125-6400, selectable with upper / lower limit), 125 / 200 / 400 / 800 / 1600 / 3200 / 6400 (Expandable to ISO 80 / 100) Multi Frame NR: Auto (ISO125-25600), 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 <sup>3</sup> / 25600 <sup>3</sup>
ISO Sensitivity (Movie)	Auto (ISO125-3200 equivalent), 125 / 200 / 400 / 800 / 1600 / 3200
White Balance Mode	Auto / Daylight / Shade / Cloudy / Incandescent / Fluor (Warm White) / Fluor (Cool White) / Fluor (Day White) / Fluor (Daylight) / Flash / C.Temp., Filter / Custom
Shutter Speed	iAuto (1-1/2000) / Program Auto (1-1/2000) / Manual (Bulb, 30-1/2000) / Aperture Priority (8-1/2000) / Shutter Priority (30-1/2000)
Aperture	F1.8-11 (W), F4.9-11 (T)
Continuous Shooting Speed (maximum) <sup>4</sup>	Approx. 10 fps
Image Control	Creative Style, Color Space (sRGB / Adobe), Quality (RAW / RAW & JPEG / Fine / Standard), Long Exposure NR (On / Off), High ISO NR (Normal / High / Low), Multi Frame Noise Reduct.
Dynamic Range Functions	Off, Dynamic Range Optimizer (Auto / Level), Auto High Dynamic Range: Off, Auto exposure difference, Exposure difference level (1.0-6.0EV, 1.0-EV step)
Self-Timer	10sec. / 2sec. / Self portrait / Self timer Cont.
Shooting Mode	Superior Auto, Intelligent Auto, Program Auto (Program shift available), Shutter Priority, Aperture Priority, Manual, Scene Selection, Movie, Sweep shooting

## Number of recordable still images<sup>2</sup>

Image size: L20M [3:2]	Memory card formatted with this camera	
	2GB	8GB
Standard	295	1200
Fine	170	690
RAW & JPEG	58	235
RAW	88	355

## Recording time for movies<sup>8</sup>

	Memory card formatted with this camera	
	2GB	8GB
AVCHD 28M(PS)	9 min	35 min
AVCHD 24M(FX)	10 min	40 min
AVCHD 17M(FH)	10 min	1h
MP4 1440x1080 12M	15 min	1h 20 min
VGA 3M	1h 10min	4h 55min

## System requirements of bundled software

	Image Data Converter	PlayMemories Home <sup>™</sup>
OS <sup>9</sup>	Microsoft Windows <sup>®</sup> Windows XP <sup>10</sup> SP3 / Windows Vista <sup>®</sup> SP2 / Windows 7 SP1	Microsoft Windows Windows XP <sup>10</sup> SP3 / Windows Vista SP2 / Windows 7 SP1
CPU	Pentium <sup>®</sup> 4 or faster	Intel <sup>®</sup> Core <sup>™</sup> Solo / Core Duo / Core 2 Duo or faster
Memory	1GB or more	1GB or more is recommended
		512 MB or more; for playing / editing HD movies: 1 GB or more

1. Optical zoom from the wide side. 2. Capacity will vary based on image recorded. 3. Achieved by using "By Pixel Super Resolution" technology and overlay burst shooting. 4. You may not be able to shoot images in Burst mode depending on the shooting mode. Speed will slow after taking some shots. Speed may vary depending on shooting conditions and media card used. 5. With Adaptor (not supplied). 6. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use. Video records in up to 29 minute segments. 7. Requires 3D HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately. 8. Maximum continuous shooting time is approx. 29 minutes. Maximum movie file size is approx. 2GB. 9. Must be installed with the above OS at delivery. Proper operation cannot be guaranteed with an upgraded OS environment. 10. 64-bit and Starter Editions are not supported. The Windows Image Mastering API (IMAPI) Ver.2.0 or later is required to use the function for creating discs.

## Environmental Information

Halogenated flame retardants are not used in cabinets.  
Halogenated flame retardants are not used in the certain printed wiring boards.  
Recycled paper is used for the carton.

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\* Screen displays are simulated.

\* Simulated effects are used to illustrate some functions.

Scene Selection	Portrait, Anti Motion Blur, Sports Action, Pet, Gourmet, Macro, Landscape, Sunset, Night Scene, Hand-held Twilight, Night Portrait, Fireworks, High Sensitivity
Sweep Shooting	Sweep Panorama <sup>™</sup> and 3D Sweep Panorama <sup>™</sup> Mode <sup>7</sup>
Creative Style	Standard, Vivid, Portrait, Landscape, Sunset, Black & White
Picture Effect	Toy Camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Monochrome, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature, Watercolor, Illustration
Number of Recognized Scene	[Still Image] 33 [Movie] 44
Flash	Flash Mode: Auto / Fill-flash / Slow Sync / Rear Sync / Off
	Flash Range: ISO Auto 0.30m to 17.1m (W) / 0.55m to 6.3m (T) ISO 6400 up to 24.2m (W) / 8.9m (T)
Other Shooting Functions	Face Detection, Face Registration, Smile Shutter <sup>™</sup> , Dual Rec, Grid Line, Digital Level Gauge (pitch and roll), MR (memory recall), Exposure Bracketing, White Balance Bracketing, Peaking, MF Assist, Auto Portrait Framing, Photo Creativity, Shooting Tips
Recording	
Compatible Recording Media	Memory Stick Duo <sup>™</sup> , Memory Stick PRO Duo <sup>™</sup> , Memory Stick PRO Duo (High Speed), Memory Stick PRO-HG Duo <sup>™</sup> , Memory Stick Micro <sup>5</sup> , Memory Stick Micro (Mark2) <sup>5</sup> , SD Memory Card, SDHC Memory Card, SDXC Memory Card, microSD Memory Card <sup>5</sup> , microSDHC Memory Card <sup>5</sup>
Recording Format	Still Image: JPEG, RAW (Sony ARW 2.3 format), Movie: AVCHD <sup>™</sup> Ver. 2.0, MP4
File format	DCF/DPOF
Number of Recorded Pixels (Image Size)	[3:2] L: 20M (5472 x 3648) / M: 10M (3888 x 2592) / S: 5.0M (2736 x 1824) [16:9] L: 17M (5472 x 3080) / M: 7.5M (3648 x 2056) / S: 4.2M (2720 x 1528) [4:3] L: 18M (4864 x 3648) / M: 10M (3648 x 2736) / S: 5.0M (2592 x 1944) / VGA [1:1] L: 13M (3648 x 3648) / M: 6.5M (2544 x 2544) / S: 3.7M (1920 x 1920) Sweep Panorama: Wide (12416 x 1856 / 5536 x 2160), Standard (8192 x 1856 / 3872 x 2160)
Movie Recording Mode	AVCHD: 28M PS (1920x1080, 60p) / 24M FX (1920x1080, 60i) / 17M FH (1920x1080, 60i) MP4: 12M (1440x1080, 30fp) / 3M VGA (640x480, 30fps)
Print	
	Exif Print, PRINT Image Matching (PIM3)
Interface	
Input and Output Terminal	Micro USB, Hi-Speed USB (USB2.0), Micro HDMI <sup>®</sup>
Power	
Power Source	DC 3.6V (supplied battery) / DC 5.0V (supplied AC Adaptor)
Battery System	NP-BX1 (supplied)
Power Consumption (Camera mode)	Approx. 1.5W
USB Charge/USB Power Supply	Yes (supplied AC adaptor)
Battery Life	[Still Image] Approx. 330 / Approx. 165min. (LCD) <sup>6</sup> , [Movie] Approx. 80min. <sup>6</sup>
Others	
Other Playback Function	3D viewing mode <sup>7</sup> , Control for HDMI, Slideshow
Dimensions (WxHxD) (CIPA compliant)	4 x 2 3/8 x 1 7/16in (101.6 x 58.1 x 35.9mm)
Weight (CIPA compliant)	Approx. 8.5 oz. (240g) (Battery and Memory Stick Duo included) / Approx. 7.5 oz. (213g) (Body only)
Supplied Accessories	Rechargeable Battery Pack NP-BX1, AC Adaptor AC-UD10 / 11, Micro USB cable, Wrist Strap, Shoulder Strap Adaptor, Instruction Manual