

DSC-RX100M2/B

Professional compact digital camera



Specifications

Camera	
Camera Type	Cybershot® Digital Still Camera
Lens Compatibility	Fixed lens
Imaging Sensor	
Imaging Sensor	Exmor R® 1.0" CMOS sensor (13.2 X 8.8mm) (3:2 aspect ratio)
Processor	BIONZ® image processor
Pixel Gross	20.9M pixels (approx.)
Effective Picture Resolution	20.2M pixels (approx.)
Focal Length Conversion Factor	2.7x
Color Filter System	RGB primary color filters
Recording	
Media Type	Memory Stick PRO Duo™ /Pro-HG Duo™ media; SD, SDHC and SDXC memory card
Color Space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS™ Color
Still Image Mode	JPEG (Standard, Fine), RAW, RAW+JPEG
Still Image Max Effective Resolution	20.2 Megapixels
Still Image Size 16:9	L: 17M (5472 x 3080) / M: 7.5M (3648 x 2056) / S: 4.2M (2720 x 1528)
Still Image Size 1:1	L: 13M (3648x 3648) / M: 6.5M (2544 x 2544) / S: 3.7M (1920 x 1920)
Still Image Size 3:2	L: 20M (5472 x 3648) / M: 10M (3888 x 2592) / S: 5.0M (2736 x 1824)
Still Image Size 4:3	L: 18M (4864 x 3648) / M: 10M (3648 x 2736) / S: 5.0M (2592 x 1944) / VGA
Panorama Still Image Size	Horizontal wide (12416 x 1856 / 5536 x 2160), Horizontal standard (8192 x 1856 / 3872 x 2160) 3D Sweep Panorama: N/A
Video Format	AVCHD Ver. 2.0 / MP4 (MPEG-4 AVC (H.264))
Video Mode	AVCHD: 28M PS (1920 x 1080, 60p) 24M FX (1920 x 1080, 60i) 17M FH (1920 x 1080, 60i) 24M FX (1920 x 1080, 24p) 17M FH (1920 x 1080, 24p) MP4: 12M (1440 x 1080, 30 fps) 3M VGA (640 x 480, 30 fps)
Video Signal	NTSC color, EIA standards
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
Microphone/Speaker	Built-in Stereo Microphone
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Wind Noise Reduction	Yes (On/Off)
Optics/Lens	
Lens Type	Carl Zeiss® Vario-Sonnar T*
Aperture	F1.8 - 11 (W), F4.9 - 11 (T)
Aperture (Max.)	F1.8 (W), F4.9 (T)
Aperture (Min.)	F11 (W), F11 (T)

Optical Zoom	3.6x (Optical Zoom during movie recording)
Digital Zoom	Still Image: 20M approx. 14x / 10M approx. 20x / 5M approx. 28x / VGA approx. 54x Movie: 14x
Focal Length (35mm 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)
Lens Construction	7 elements in 6 groups (4 aspheric elements including AA lenses)
Aperture Blade	Iris diaphragm (7 blades)
Clear Image Zoom	7.2x
Steady Shot Mode:Active	(Still image) Optical (Movie) Active Mode, Optical type with electronic compensation (Anti-rolling)
LCD Display	
LCD Type	3.0" (7.5cm) (4:3) / 1,229,000 dots / Xtra Fine / TFT LCD / Tilttable (up approx. 84 deg., down approx. 45 deg.)
Angle Adjustment	Tilt angle: Up: Approx. 84 degrees; Down: Approx. 43 degrees
Brightness Control	Auto / Manual (5 steps) / Sunny Weather mode
Coverage	100% Field of View
Live View	Continuous Live View
Real-time image adjustment display	Yes (On/Off)
Histogram	Yes (On/off)
Peaking	Yes Level setting: High/Mid/Low/Off Color: White/Red/Yellow
Grid Display	Yes (Rule of Thirds, 4x6 Square, Diagonal & 4x6 Square Grids, Off)
Customization	Grid, Histogram display, Digital Level Gauge, Grid Line, Magnified display for playback
Focus Control	
Focus System	Contrast-detect AF
Focus Points	25 points
AF Modes	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)
Focus Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Focus Features	Predictive control (AF-A, AF-C), Focus Lock
AF Illuminator	Built-in LED, Range: approx. 3' 4" - 9' 9" (0.3m-3.0m)
Exposure System	
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Exposure Compensation	+/- 3.0 EV, 1/3 EV step
Exposure Settings	(Still) Superior Auto, Intelligent Auto, Program Auto (Program shift available), Shutter Priority, Aperture Priority, Manual, Scene Selection, Movie, Sweep Panorama (Movie) Program Auto, Aperture Priority, Shutter Priority, Manual
Scene Mode(s)	Anti Motion Blur, Fireworks, Gourmet, Handheld Twilight, High Sensitivity, Landscape, Macro, Night Portrait, Night Scene, Pet Mode, Portrait, Sports Action, Sunset
D-Range Optimizer	Off, Dynamic Range Optimizer (Auto / Level), Auto High Dynamic Range: Off, Auto exposure difference, Exposure difference level (1.0 - 6.0 EV, 1.0 EV step)
Auto Exposure Lock	Yes (AE Lock button). Can be disabled from menu

ISO	(Still Image) Auto (ISO 160 - 12800, selectable with upper / lower limit), 160 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 (Expandable to ISO 100 / 125) Multi Frame NR: Auto (ISO 160 - 25600), 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600
Creative Style	Black & White, Landscape, Portrait, Standard, Sunset, Vivid Contrast (-3 to +3steps), Saturation(-3 to +3steps), Sharpness(-3 to +3steps)
White Balance Mode	Auto / Daylight / Shade / Cloudy / Incandescent / Fluor (Warm White) / Fluor (Cool White) / Fluor (Day White) / Fluor (Daylight) / Flash / C. Temp., Filter / Custom
Color Temperature	2500 - 9900K with 15-step each Magenta/Green compensation (G7 to M7), Amber/Blue (A7 to B7), Custom
Exposure Bracketing	3 continuous or single shots in 1/3 or 2/3 EV steps
ISO Sensitivity (Movie)	(Movie) Auto (ISO 160 - 3200 equivalent), 160 / 200 / 400 / 800 / 1600 / 3200
Picture Effect(s)	(Still Image) 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 (Movie) Toy Camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Monochrome
Drive System	
Drive Mode	Single-shot, Continuous, Speed Priority Continuous, Self-timer (10/2 sec. delay), Self-timer (Cont.), Self-portrait One-person, Self-portrait Two-person, (with 10 sec. delay; 3/5 exposures), Bracketing
Continuous Shooting Speed	10 fps at 20.2MP
Self-timer	10 sec. / 2 sec. / Self-portrait One-person/ Self-portrait Two-person/ Self timer Continuous (3 or 5 shots)
Shutter Speeds	iAuto (4 - 1/2000) / Program Auto (1 - 1/2000) / Manual (Bulb, 30 - 1/2000) / Aperture Priority (8 - 1/2000) / Shutter Priority (30 - 1/2000)
Burst Buffer	JPEG Standard (12 shots) JPEG Fine (12 shots) RAW (13 shots) RAW+JPEG (10 shots)
Flash	
Flash Type	Built-in, Pop-up Auto
Flash Metering System	Pre-flash TTL
Flash Modes	Flash Mode: Auto / Fill-flash / Slow Sync / Rear Sync / Off Wireless (using compatible external flash)
Flash Compensation	±2.0 EV (switchable between 1/3 EV steps)
Flash Coverage	ISO Auto: 1' to 49' 2" (0.30m to 15.0m) (W) / 1' 9" - 18' 8" (0.55m to 5.7m) (T) ISO 12800: Up to 98' 5" (30.0m) (W) / 37' (11.3m) (T)
Recycling Time	Approx. 3 sec.
Flash Bracketing	±2.0 EV
Convenience Features	
Media/Battery Indicator	Yes
View & Index	Single (with or without shooting information), RGB histogram and highlight/shadow warning, 4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2 sec, Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, Protect
Advanced Features	
Auto High Dynamic Range	Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)
Sweep Panorama	Horizontal (Wide/Standard), Vertical (Wide/Standard)
Face Detection	On, Off, Face Registration, Face Selection; maximum eight faces detected
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)

Image Stabilization	(Still Image) Optical (Movie) Active Mode, Optical type with electronic compensation (Anti-rolling)
Priority Setting (for Face Detection)	Yes (eight faces max)
Interface	
Memory Card Slot	Dual compatibility slot: Memory Stick PRO Duo™/Pro-HG Duo™/PRO-HG HX Duo™ media - SD, SDHC and SDXC memory card
NFC	Yes (NFC Forum Type 3 Tag compatible, One-touch remote, One-touch sharing)
Wi-Fi	Yes
HD Output	HDMI® (Type D micro)
USB Port(s)	USB 2.0 Hi-speed (mass-storage, MTP)
BRAVIA® Sync™	Yes, via HDMI® with compatible BRAVIA HDTV (link menu)
PhotoTV HD	Yes, with BRAVIA Sync enabled HDTV and HDMI® cable
Microphone Input	Via MI Shoe + Optional ECM-XYST1M
Remote Commander	Yes, via RM-VPR1
Accessory Shoe	Multi Interface Shoe
DC IN	Yes, via AC-UB10 AC charger and USB cable
Tripod Mount	Yes (1/4" diameter, 20 threads per inch)
Weights and Measurements	
Dimensions (Approx.)	4" x 2-9/32" x 1-1/2" (101.6 x 58.1 x 38.3 mm) excluding protrusions
Weight (Approx.)	With battery and Memory Stick PRO Duo Approx. 9.9 oz. (281 g)
Weight(Approx) (Main unit only)	7.8 oz. (222 g)
Power	
Battery Type	InfoLITHIUM® NP-BX1 (3.6V)
Battery Capacity	1240 mAh
Number of Still Images	Approx. 350 images with LCD monitor (CIPA standard)
Power Consumption (in Operation)	Approx. 1.8W
Software	
Supplied Software	Supplied Software: PlayMemories™ Home, Image Data Converter Version 4 (via software download from camera)
Operating System Compatibility	PlayMemories Home: Windows® XP SP3, Windows Vista® SP2, Windows®7 SP1, Windows®8 (PlayMemories Home is not Mac compatible); PlayMemories Online Uploader: Windows XP SP3, Windows Vista®SP2, Windows®7 SP1, Windows®8, Mac OS X (v10.5- v10.8); Image Data Converter Version 4.2: Windows® XP SP3, Windows Vista® SP2, Windows®7 SP1, Windows®8, Mac OS X (v10.5- v10.8)
Service and Warranty Information	
Limited Warranty Term	1 Year Parts & Labor
Accessories	
Supplied Accessories	Rechargeable Battery Pack NP-BX1 AC Adaptor AC-UB10 Micro USB cable Wrist Strap Shoulder Strap Adaptor Instruction Manual