



DSC-RX100

Technische specificaties

Image Sensor	
Sensor Type	1.0type(13.2 x 8.8mm) Exmor CMOS sensor
Number of gross pixels	Approx. 20.9 Megapixels
Number of effective pixels	Approx. 20.2 Megapixels
Lens	
Lens Type	Carl Zeiss "Vario-Sonnar T*", 7 elements in 6 groups (4 aspheric elements including AA lens)
F-number (Maximum Aperture)	F1.8(W)-4.9(T)
Iris Diaphragm	7 blades
Focal Length (f =)	f=10.4-37.1mm
35mm film equivalent (Still Image3:2)	f=28-100mm
35mm film equivalent (Still Image4:3)	f=30-108mm
35mm film equivalent (Still Image16:9)	f=29-105mm
35mm film equivalent (Movie1:1)	f=36-127mm
35mm film equivalent (Movie16:9)	f=29-105mm(SteadyShot Standard), f=33-120mm(SteadyShot Active)
35mm film equivalent (Movie4:3)	f=36-128mm(SteadyShot Standard), f=41-146mm(SteadyShot Active)
Focus Range (from the front of the lens)	iAuto:AF(W:Approx.5cm(0.16') to infinity, T:Approx.55cm(1.80') to infinity) / Program Auto:AF(W:Approx,5cm(0.16') to infinity, T:Approx.55cm(1.80') to infinity)
Optical Zoom	
Optical Zoom	3.6x(Optical Zoom during movie recording)

Clear Image Zoom	
Still Image	7.2x
Digital Zoom	
Still Image	20M Approx.14x / 10M Approx.20x / 5M Approx.28x / VGA Approx.54x
Movie	Digital Zoom Approx.14
Screen, Viewfinder	
Screen Type	7.5cm(3.0type)(4:3) / 1,228,800 dots / Xtra Fine / TruBlack / TFT LCD
Brightness Control	Auto / Manual(5 steps) / Sunny Weather
Touch Panel	-
Viewfinder	-
Camera	
Imaging Processor"BIONZ"	Yes
SteadyShot	Optical
Optical SteadyShot Active Mode (for Movie)	Yes(Active Mode, Optical type with electronic compensation, Anti Rolling type)
Focus Mode	Single-shot AF
	Continuous AF
	DMF
	Manual Focus
Focus Area	Multi Point AF
	Center Weighted AF
	Flexible Spot AF
	Flexible Spot AF(Tracking Focus)
	Flexible Spot AF(Face Tracking Focus)
Light Metering Mode	Multi Pattern
	Center Weighted
	Spot
Exposure Compensation	Plus / Minus 3.0EV, 1/3EV step
Exposure Control	Yes
ISO Sensitivity (Still Image) *3	Auto(ISO125-6400, selectable with upper / lower limit),125/200/400/800/1600/3200/ 6400 (Extendable to ISO80/100),Multi-Frame NR:Auto(ISO125-25600), 200/400/800/1600/3200/6400/12800 *4 / 25600 *4
ISO Sensitivity (Movie)	Auto:(ISO125Level-ISO3200Level)
Minimum Illumination(Movie)	Auto:3.2lux(Shutter Speed 1/60")
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(4" - 1/2000) / Program Auto(1" - 1/2000) / Manual(30" - 1/2000) / Shutter Priority(30" - 1/2000) / Aperture Priority(8" - 1/2000)
Aperture	iAuto(F1.8/F11(W)) / Program Auto(F1.8/F11(W)) / Manual(F1.8/F11(W)) / Shutter Priority(F1.8/F11(W)) / Aperture Priority(F1.8/F11(W))
Continuous Shooting Speed (maximum) (Maximum number of recoded pixels) *5	Approx.10 fps *6
Image Control	NR Level setting
	Color Mode
	Contrast
	Saturation
	Sharpness
	Creative Style
	Color Space
	Quality(RAW / RAW&JPEG / Fine / Standard)
	Long Exposure NR
	High ISO NR(Normal / High / Low)
Dynamic Range Functions	Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range: Off, Auto Exposure Difference, Exposure difference Level (1.0-6.0EV, 1.0EV step)
Self-Timer	Off / 10sec. / 2sec. / Self-portrait / Self-timer(Cont)
Shooting Mode	Superior Auto
	Intelligent Auto
	Program Auto
	Aperture Priority
	Shutter Speed Priority
	Manual Exposure
	Movie Mode
	Panorama
Scene Selection	Portrait
	Anti Motion Blur
	Sports Action
	Pet Mode
	Gourmet
	Macro
	Landscape
	Sunset
	Night Scene
	Handheld Twilight
	Night Portrait
	Fireworks
	High Sensitivity
Panorama	Sweep Panorama
3D	-
Photo Creativity	Yes

Picture Effect	Toy camera
	Pop Color
	Posterization
	Retro Photo
	Soft High-key
	Partial Color
	High Contrast Mono
	Soft Focus
	HDR Painting
	Richitone Monochrome
	Miniature
	Watercolor
	Illustration
Number of Recognized Scene	
Still Image	33
Movie	44
Flash Mode	Auto / Flash On / Slow Synchro / Rear Sync / Flash Off
Flash Range	ISO Auto: Approx.0.3m to 17.1m(Approx.11 3/4" to Approx.56' 1 3/4")(W) / Approx.0.55m to 6.3m(Approx.1' 9 1/2"-Approx.20' 8")(T)
Recording	
Compatible Recording Media *7	Memory Stick Duo
	Memory Stick PRO Duo
	Memory Stick PRO Duo(High Speed)
	Memory Stick PROHG Duo
	Memory Stick Micro
	Memory Stick Micro *8
	Memory Stick Micro (Mark2) *8
	SD Memory Card
	SDHC Memory Card
	SDXC Memory Card
	microSD Memory Card *8
	microSDHC Memory Card *8
Internal Memory	-
Recording Format	Still Image:JPEG, RAW (Sony ARW 2.3 format), Movie:AVCHD Ver2.0/MP4
DCF/DPOF	DCF/DPOF
Still Image Number of recorded pixels (Image Size)	3:2mode:20M(5,472×3,648) / 10M(3,888×2,592) / 5M(2,736×1824) / 4:3mode:18M(4,864×3,648) / 10M(3,648×2,736) / 5M(2,592×1,944) / VGA / 16:9mode:17M(5,472×3,080) / 7.5M(3,648×2,056) / 4.2M(2,720×1,528)/1:1mode:13M(3,648 ×3,648) / 6.5M(2,544×2,544) / 3.7M(1,920×1,920) Sweep Panorama:Wide(12,416×1,856/5,536×2,160)/Standard(8,192×1,856/3,872×2,160)

Movie Recording Mode	AVCHD: 28M PS(1,920×1,080/50p)/24M FX(1,920×1,080/50i)/17M FH(1,920×1,080/50i)/MP4:12M(1,440×1,080/30fps)/3M VGA(640×480/30fps)
GPS	
GPS / Heading	-
Playback	
Maximum Playback Size	Under 20M(5,472 x 3,648)
PC Link	
Share it later	-
Print	
Exif Print	Yes
PRINT Image Matching (PIM3)	Yes
Interface	
Input and Output Terminal	MicroUSB, Hi-Speed USB(USB2.0), Micro HDMI
TransferJet	-
Wi-Fi	-
Eye-Fi	Yes
Power	
Power Source	DC3.6V(supplied battery) / DC5.0V(supplied AC Adaptor)
Battery System	Rechargeable battery pack NP-BX1
Power Consumption (Camera mode)	Approx.1.5W
USB Charge/USB Power Supply	Yes(supplied AC adaptor)
Battery life	
When shooting still images (CIPA) *9	Approx. 330 / Approx. 165min
When shooting movies *10	Approx. 80min
Others	
InCamera Guide	Yes
Other Shooting Functions	Face Detection
	Still Image Recording (during movie recording)
	Smile Shutter
	Grid Line
	Memory Recall
	MF Assist
	Auto Bracket
	WB Bracket
	Peaking
	Auto Port. Framing
Other Playback Function	Control for HDMI
	Picture Effect(Watercolor, Illustration)
	3D Viewing Mode
Operating Speed *11	Start-up Time(Approx. 2.1 sec.) / Shooting Time Lag(Approx. 0.15 sec.) / Shooting Interval(Approx. 0.6 sec.)
Water Proof	-
Digital Level Gauge	Yes (Pitch and roll)
Dimensions (WxHxD) (CIPA compliant)	101.6 x 58.1 x 35.9mm (4" x 2 3/8" x 1 7/16")

Weight (CIPA compliant)	Approx. 240g (8.5oz.)(Battery and Memory Stick Duo are included) / Approx. 213g (7.5oz.)(Body Only)
Supplied Accessory	Rechargeable Battery Pack NP-BX1
	AC Adaptor AC-UD10
	Micro USB cable
	Wrist Strap
	shoulder strap adapter
	Instruction Manual
Lens2	
Linear Focus	Yes
Scan System	Progressive scan
Color Filter	R,G,B primary color mosaic filters
Camera2	
Active Mode	Optical and Electronic
Auto Macro	Yes
Close Focus Enabled	-
AF Illuminator	Auto / Off
ND Filter	-
Liquid Crystal Optical Filter	-
Auto Controll Range	Auto(ISO125-6400, selectable with upper / lower limit),125/200/400/800/1600/3200/6400 (Extendable to ISO80/100),Multi-Frame NR:Auto(ISO125-25600), 200/400/800/1600/3200/6400/12800 *4 / 25600 *4
Mode	Off/On(Regist Faces)/On
Face Registration	New Registration / Order Exchanging / Delete / Delete All
Face Selection	Yes(Key, Selected-face Memory)
Maximum number of detectable faces	8 faces
from 4:3Movie to Still Image Size	L:17M Level(5,472 x 3,080) , S:4.2M (2,736 x 1,544)
from 16:9Movie to Still Image Size	L:13M Level (4,112 x 3,080) , S:3.2M (2,064 x 1,544)
Number of Recording per 1 Movie	in range of capacity of Memory Card
Program shift AE	Yes
Anti Blink	-
Red Eye Reduction	On only
Auto Orientation	-
Monitor, Viewfinder2	
Display Selector (FINDER/LCD)	-
Image Quality Selection	-
Recording2	
Recording Format	Still Images: JPEG (DCF, Exif, MPF Baseline) compliant, DPOF compatible
Memory Stick Duo	32GB
Memory Stick Micro	16GB
SD Memory Card	64GB
microSD Memory Card	32GB
GPS2	

GPS	-
GPS Asssist	-
GPS Log REC	-
Auto Offset	-
Heading	-
Direction Calibration	-
Microphone / Speaker	
Built-in Microphone	Stereo
Speaker	mono
Volume Setting	8 steps
Wind noise reduction	Off / On
Playback2	
Cue, Review (Movie)	Yes
Slow Playback (Movie)	Yes
Panorama Scroll Playback	Yes
Index	4 / 9 images
Auto grouping & Best picture recognition	-
Easy Review	-
Continuous Playback	Yes(Movie)
Video Out	HD(HDMI)
Movie	-
Image	ALL / 3D
Effect	-
Music	-
Interval	1 / 3 / 5 / 10 / 30 sec.
Repeat	On / Off
Audio Format	-
Number of music, Maximum length of one music	-
Download Music	-
Zoom Magnification of Playback Mode	Depends on Image Size
Automatic Image Rotation	Yes
Auto Orientation(Auto pict rotation in response to camera position in playback)	Yes
Rotate	Yes
Delete	Single / Select / Folder
Protect	Select / Folder
Tool	-
Number of recoded pixels (image size)	-
from 4:3Movie to Still Image Size	-
from 16:9Movie to Still Image Size	-
PC Link2	
PlayMemories Home	Yes
Device Stage	Yes
Menu, Indicator	
Function Guide	-
Shooting Tip	Yes
Histogram Indicator	Yes(On/Off)
Beep	Yes
Print2	
Print Order Mark (DPOF)	Select / Folder
Other Functions	
Water Proof	-
Dust Proof	-
Shock Proof	-

Power Saving	min /30 min / 5min / 1 min
Clock Function,Setting	Yes
Area Setting	Yes
Demo Mode	On / Off
Mode	
Write Date	Off / On
Video Out	
Component	-
Composite	-
2D (Auto) *12	Yes(50p)
Video Out Mode	PAL
Wide Zoom Display	-
TV Type Capability (SD Output)	-
USB	
Auto (MultiConfiguration)	Yes
Mass Storage	Yes
PictBridge	-
MTP	Yes
PTP/MTP	-
PTP	-
LUN Settings (Multi/Single)	Multi / Single
TransferJet	
Send	-
Receive	-
Optional Accessory Capability	
Type	-
Filter Diameter	-
Mode	-
Tripod Receptacle	Yes
Cradle	-
Party-shot	-
Housing Mode (Water housingcomaptibility)	-
Battery Remaining Indicator (Minute Display)	-
Power, Others	
Maximum Voltage	4.2V
Nominal Voltage	3.6V
Capacity for Shooting	4.5Wh(1240mAh)
Power Requirements	-
Power Requirements	AC 100V to 240V, 50/60 Hz, 11W
Body Material	Plastic
Operating Temperature	0 degrees C. - +40 degrees C. / 32 degrees F. - 104 degrees F.
Storage Temperature	-20 degrees C. - +60 degrees C. / -4 degrees F. - +140 degrees F.
Operating Speed	
Shutter Release Time Lag	Approx. 0.013 sec.