

# Sony RX100M3 Full Specification

## Software

- 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)
- Supplied Software : Supplied Software: PlayMemories™ Home, Image Data Converter Version 4 (via software download from camera)

## Advanced Features

- Image Stabilization : [Still Image] Optical [Movie] Active Mode, Optical type with electronic compensation (Anti-rolling)
- 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
- Priority Setting (for Face Detection) : Yes (eight faces max) New Registration / Order Exchanging / Delete / Delete All
- Smile Shutter™ technology : Smile shutter (selectable from 3 steps)

## Camera

- Camera Type : Cyber-shot® Digital Still Camera
- Lens Compatibility : Fixed lens
- Colour : Black

## 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

## Drive System

- Continuous Shooting Speed : 10 fps at 20.2MP
- Burst Buffer : JPEG Standard (12 shots) JPEG Fine (12 shots) RAW (13 shots) RAW+JPEG (10 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)
- Self-timer : 10 sec. / 2 sec. / Self-portrait One-person/ Self-portrait Two-person/ Self timer Continuous (3 or 5 shots)
- 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

## Exposure System

- D-Range Optimizer : 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)
- Auto Exposure Lock : Yes (AE Lock button). Can be disabled from menu
- Exposure Compensation : +/- 3.0 EV, 1/3 EV step
- Minimum Illumination : Movie: Auto:1.2lux(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, Rich-tone Monochrome, Miniature, Watercolor, Illustration [Movie] Toy Camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Monochrome
- 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
- Metering Modes : Multi-segment, Center-weighted, Spot
- Metering Sensitivity : EV 0 to 20 (at ISO100 equivalent)
- ISO : Auto(ISO125-12800, selectable with upper / lower limit),125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/

6400/8000/10000/12800 (Extendable to ISO80/100), Multi-Frame NR: Auto (ISO125-12800),  
200/400/800/1600/3200/6400/12800/25600

- Creative Style : Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box
- Color Temperature : 2500 – 9900K with 15-step each Magenta/Green compensation (G7 to M7), Amber/Blue (A7 to B7), Custom
- ISO Sensitivity (Movie) : Auto:(ISO125Level-ISO12800Level, selectable with upper / lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800
- White Balance Mode : Auto / Daylight / Shade / Cloudy / Incandescent / Fluor (Warm White) / Fluor (Cool White) / Fluor (Day White) / Fluor (Daylight) / Flash / C. Temp., Filter / Custom
- Exposure Bracketing : 3 continuous or single shots in 1/3 or 2/3 EV steps
- WB Shift : G7-M7, A7-B7

#### Flash

- Flash Bracketing :  $\pm 2.0$  EV
- Flash Metering System : Pre-flash TTL
- Flash Compensation :  $\pm 2.0$  EV (switchable between 1/3 EV steps)
- Recycling Time : Approx. 3.4 sec.
- Flash Modes : Auto / Fill-flash / Slow Sync / Rear Sync / Off
- 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)
- Flash Type : Built-in, Pop-up Auto

#### Focus Control

- 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)
- Focus Sensitivity : EV 0 to 20 EV (at ISO100 equivalent)
- Focus Area : Multi point AF (25 points) / Continuous AF / Single Shot AF / Flexible spot (S/M/L) / Lock on AF (Wide/Center/Flexible Spot (S/M/L))
- Focus Points : 25 points

- AF Modes : Single-shot AF (AF-S) / Continuous AF (AF-C) / Direct Manual Focus (DMF) / Manual Focus
- Focus System : Contrast-detect AF

### **Imaging Sensor**

- Pixel Gross : 20.9M pixels (approx.)
- Focal Length Conversion Factor : 2.7x
- Color Filter System : RGB primary color filters
- Effective Picture Resolution : 20.1M pixels (approx.)
- Imaging Sensor : Exmor® R 1.0" CMOS sensor (13.2 X 8.8mm) (3:2 aspect ratio)
- Processor : BIONZ® X image processor

### **Interface**

- NFC : Yes (NFC Forum Type 3 Tag compatible, One-touch remote, One-touch sharing)
- DC IN : Yes, via AC-UB10 AC charger and USB cable
- Memory Card Slot : Dual compatibility slot: Memory Stick PRO Duo™/Pro-HG Duo™/PRO-HG HX Duo™ media - SD, SDHC and SDXC memory card
- HD Output : HDMI® (Type D micro)
- Wi-Fi : Yes
- Accessory Shoe : Multi Interface Shoe
- Tripod Mount : Yes (1/4" diameter, 20 threads per inch)
- Remote Commander : Yes, via RM-VPR1
- PhotoTV HD : Yes, with BRAVIA Sync enabled HDTV and HDMI® cable
- USB Port(s) : USB 2.0 Hi-speed (mass-storage, MTP)
- BRAVIA® Sync™ : Yes, via HDMI® with compatible BRAVIA HDTV (link menu)
- Microphone Input : Via MI Shoe + Optional ECM-XYST1M

### **LCD Display**

- Peaking : Yes Level setting: High/Mid/Low/Off Color: White/Red/Yellow

- Real-time image adjustment display : Yes (On/Off)
- LCD Type : 3.0" (7.5cm) (4:3) / 1,229,000 dots / Xtra Fine / TFT LCD / Tilttable (Up by approx. 180degrees, down by approx. 45degrees.)
- Coverage : 100% Field of View
- Angle Adjustment : Tilt angle: Up by approx. 180degrees, down by approx. 45degrees
- Histogram : Yes (On/off)
- Live View : Continuous Live View
- Brightness Control : Auto / Manual(5 steps) / Sunny Weather
- 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

#### **Optics/Lens**

- Optical Zoom : 2.9x (Optical Zoom during movie recording)
- Minimum Focus Distance : iAuto: AF (W: Approx. 5cm (0.17 ft.) to Infinity, T: Approx. 30cm (0.99 ft.) to Infinity) / Program Auto: AF (W: Approx. 5cm (0.17 ft.) to Infinity, T: Approx.30cm (0.99 ft.) to Infinity)
- Lens Type : Carl Zeiss® Vario-Sonnar T\*
- Aperture (Max.) : F1.8(W)-2.8(T)
- Aperture : F1.8 - 11 (W), F2.8 - 11 (T)
- Aspheric Elements : 9 aspheric elements including AA lens
- Aperture Blade : Iris diaphragm (7 blades)
- Digital Zoom : Still image: 20M Approx.11x / 10M 16x / 5M 23x / VGA 44x; Movie: Approx.11x
- Lens Construction : 10 elements in 9 groups (9 aspheric elements including AA lens)
- Steady Shot Mode:Active : [Still image] Optical [Movie] Active Mode, Optical type with electronic compensation (Anti-rolling)
- ND Filter : Auto / On(3 steps) / Off
- Clear Image Zoom : Still Image: 20M Approx. 5.8x / 10M 8.2x / 5M 11x / VGA Approx. 44x; Movie: Approx. 5.8x

- Focal Length (35mm equivalent) : [Still Image 3:2] f=24-70mm [Still Image 16:9] f=26-76mm [Still Image 4:3] f=25-73mm [Still Image 1:1] f=30.5-89mm [Movie 16:9] f=25.5-74mm (SteadyShot Standard), f=30-86mm (SteadyShot® Active Mode), f=33.5-95mm(SteadyShot Intelligent Active) [Movie 4:3] f=31-90mm (SteadyShot® Standard), f=37-105mm (SteadyShot Active Mode), f=41-117mm (SteadyShot IntelligentActive)

## Power

- Battery Type : InfoLITHIUM® NP-BX1 (3.6V)
- Power Requirements : AC 100V to 240V, 50/60 Hz, 70mA
- Power Consumption (in Operation) : Approx. 1.8W
- Number of Still Images : Approx. 320 images with LCD monitor (CIPA standard)
- Battery Capacity : 4.5Wh (1240mAh)

## Recording

- Panorama Still Image Size : Wide (12,416×1,856/5,536×2,160), Standard(8,192×1,856/3,872×2,160)
- Audio Format : XAVC S: LPCM 2ch; AVCHD:Dolby Digital(AC-3) 2ch(Dolby Digital Stereo Creator); MP4:M PEG-4 AAC-LC 2ch
- Video Format : XAVC S / AVCHD Ver. 2.0 / MP4 (MPEG-4 AVC (H.264))
- Video Mode : XAVC S: 60p 50M(1,920x1,080/60p) / 30p 50M(1,920x1,080/30p) / 24p 50M(1,920x1,080/24p) / 120p 50M(1,280x720/120p) 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) MP4: 12M(1,440x1,080/30fps) / 3M VGA(640x480/30fps)
- Color Space : sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS™ Color
- 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 3:2 : L: 20M(5,472×3,648) / M: 10M(3,888×2,592) / S: 5M(2,736×1,824)
- Still Image Mode : JPEG (Standard, Fine), RAW, RAW+JPEG
- Media Type : SD, SDHC and SDXC memory card; Memory Stick PRO Duo™/Pro-HG Duo™ media
- Still Image Max Effective Resolution : 20.1 Megapixels
- Still Image Size 4:3 : L: 18M(4,864×3,648) / M: 10M(3,648×2,736) / S: 5M(2,592×1,944)

- Video Signal : NTSC color, EIA standards
- Microphone/Speaker : Built-in Stereo Microphone / Mono Speaker
- 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)
- Mic Level Control : 16 steps
- 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)

#### **Service and Warranty Information**

- Limited Warranty Term : 1 Year Parts & Labor

#### **Viewfinder**

- Type : 0.39" SVGA electronic viewfinder(OLED), 1,440,000dots
- Magnification : Approx. 0.59x with 50mm lens at infinity, -1m1(diopter) (35mm equiv.)
- Diopter Adjustment : -4.0 to +3.0m-1

#### **Weights and Measurements**

- Weight(Approx) (Main unit only) : 9.3 oz. (263 g)
- Dimensions (Approx.) : 4 " × 2 3/8 " × 1 5/8 " (101.6x58.1x41.0 mm) excluding protrusions
- Weight (Approx.) : With battery and Memory Stick PRO Duo Approx.10.2 oz. (290 g)

Read more at <http://thenewcamera.com/tag/sony-rx100-m3/>