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Sony DSC-RX100M7

Sony DSC-RX100M7 Cyber-Shot RX100 VII Digital Camera Instruction Manual

Model: DSC-RX100M7

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Sony DSC-RX100M7 Cyber-Shot RX100 VII digital camera. Please read this manual thoroughly before operating the camera and retain it for future reference. The DSC-RX100M7 is a premium compact camera designed for high-quality still images and 4K video recording, featuring a 24-200mm zoom lens and advanced autofocus capabilities.



Figure 1: Front view of the Sony DSC-RX100M7 camera with the LCD screen tilted upwards, showing the ZEISS lens.

SETUP

1. Unpacking and Initial Inspection

Carefully remove all items from the packaging. Ensure the following components are present:

- Sony DSC-RX100M7 Camera Body
- Rechargeable Battery Pack (NP-BX1)
- AC Adapter
- Micro USB Cable
- Wrist Strap
- Strap Adapter

2. Charging the Battery

1. Insert the NP-BX1 battery into the camera.

2. Connect the camera to the AC adapter using the Micro USB cable.
3. Plug the AC adapter into a wall outlet. The charge lamp will illuminate.
4. Charging is complete when the charge lamp turns off.

3. Inserting a Memory Card

The camera supports SDXC memory cards. Ensure the card is inserted correctly to avoid damage.

1. Open the battery/memory card cover on the bottom of the camera.
2. Insert the memory card with the notched corner facing the correct direction until it clicks into place.
3. Close the cover securely.



Figure 2: Front view of the Sony DSC-RX100M7 camera with the LCD screen in its closed position.

OPERATING THE CAMERA

1. Powering On/Off

Press the **ON/OFF** button located on the top of the camera to power it on or off. The lens will extend when powered

on.



Figure 3: Top view of the camera showing the extended ZEISS Vario-Sonnar lens and control dial.

2. Basic Shooting Modes

Rotate the mode dial on the top of the camera to select your desired shooting mode:

- **AUTO:** Camera automatically adjusts settings for optimal results.
- **P (Program Auto):** Allows some manual control while the camera sets exposure.
- **A (Aperture Priority):** You set the aperture, camera sets shutter speed.
- **S (Shutter Priority):** You set the shutter speed, camera sets aperture.
- **M (Manual Exposure):** Full manual control over aperture and shutter speed.
- **Movie:** For recording videos.

3. Focusing

The RX100 VII features a Fast Hybrid AF system with 315 phase-detection points and 425 contrast-detection points. You can select various focus modes:

- **Single-shot AF (AF-S):** Focuses once when the shutter button is half-pressed.
- **Continuous AF (AF-C):** Continuously focuses on the subject while the shutter button is half-pressed.
- **Direct Manual Focus (DMF):** Allows fine-tuning focus manually after autofocus.
- **Manual Focus (MF):** Full manual control over focus.

Utilize Real-time Tracking and Real-time Eye AF for precise subject tracking in both stills and movies.

4. Recording Videos

To record a video, set the mode dial to **Movie** mode. Press the **MOVIE** button (red dot) on the back of the camera to start and stop recording. The camera supports 4K HDR (HLG) video recording.



Figure 4: Rear view of the camera, highlighting the LCD screen, control dial, and movie record button.

5. Using the Viewfinder and Tilting Screen

The camera features a retractable electronic viewfinder (EVF) and a 3-inch tilting LCD screen. Pull the **FINDER** switch on the side of the camera to extend the EVF. The LCD screen can be tilted for various shooting angles, including a 180-degree flip for vlogging.



Figure 5: Side view of the camera with the electronic viewfinder popped up.

6. Connectivity

The DSC-RX100M7 supports Wi-Fi and Bluetooth for wireless transfer of images and remote control via a smartphone app. It also includes a Micro USB port for data transfer and charging, and a Type D Micro HDMI port for video output.

MAINTENANCE

1. Cleaning the Camera

- **Camera Body:** Wipe with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water or a mild cleaning solution.
- **Lens:** Use a lens brush to remove dust, then gently wipe with a lens cleaning cloth and lens cleaning fluid. Avoid touching the lens surface directly.
- **LCD Screen:** Use a soft, dry cloth. For smudges, use a screen-specific cleaning solution.

2. Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries frequently to prolong their lifespan.
- Do not expose batteries to extreme temperatures.

3. Storage

When storing the camera for extended periods, remove the battery and memory card. Store the camera in a dry, well-ventilated area, preferably in a camera bag, to protect it from dust and moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or incorrectly inserted.	Charge the battery fully. Ensure the battery is inserted correctly.
Images are blurry.	Incorrect focus, camera shake, or dirty lens.	Check focus mode. Use a faster shutter speed or image stabilization. Clean the lens.
Memory card error.	Card is full, corrupted, or incompatible.	Delete unnecessary files or use a new card. Format the card (this will erase all data). Ensure the card is compatible (SDXC).
Flash does not fire.	Flash is set to OFF or in a mode where it's suppressed.	Check flash settings. Ensure the flash unit is popped up if using the built-in flash.

If you encounter issues not listed here, refer to the comprehensive help guide available on the Sony support website or contact customer support.

SPECIFICATIONS

Feature	Detail
Model Name	DSC-RX100M7 (E122SNDSCRX100M7)
Image Sensor	20.1 MP 1-inch Exmor RS Stacked BSI CMOS
Lens	ZEISS Vario-Sonnar T* 24-200mm (35mm equivalent) F2.8-F4.5
Optical Zoom	8x
Autofocus System	Fast Hybrid AF (315 phase-detection, 425 contrast-detection points)
Continuous Shooting	Up to 20 fps (blackout-free)
Video Recording	4K HDR (HLG), 1080p
ISO Range	Auto, 100-12800 (expandable)
Display	3.0-inch Tilting LCD (921,600 dots)
Viewfinder	Retractable Electronic Viewfinder
Image Stabilization	Optical (SteadyShot) and Digital
Connectivity	Wi-Fi, Bluetooth, USB, HDMI (Type D Micro)
Dimensions (Approx.)	Compact form factor
Weight (Approx.)	1.8 Pounds (with battery and memory card)

WARRANTY INFORMATION

This Sony DSC-RX100M7 camera includes a full Sony USA warranty. For detailed information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Sony support website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please contact Sony customer support. You can find contact information, FAQs, and additional resources on the official Sony website:

- **Sony Support Website:** www.sony.com/electronics/support
- Refer to the product-specific support pages for the DSC-RX100M7.