

Sony RX100 VII

Sony Cyber-Shot RX100 VII (DSC-RX100M7) Instruction Manual

Premium Compact Camera

1. INTRODUCTION

This manual provides essential information for operating your Sony Cyber-Shot RX100 VII (DSC-RX100M7) premium compact camera. Designed for both enthusiasts and professionals, this camera combines advanced imaging capabilities with a highly portable design. Please read this manual thoroughly to ensure proper use and to maximize your camera's potential.

The RX100 VII features a 1.0-type stacked CMOS sensor, a versatile ZEISS Vario-Sonnar T* 24-200mm F2.8 – F4.5 zoom lens, and advanced autofocus technologies derived from Sony's α 9 full-frame mirrorless camera. It supports high-speed continuous shooting, 4K HDR video recording, and offers a range of professional-level functionalities in a pocket-sized body.

2. SETUP

2.1 Unpacking and Included Items

Carefully unpack your camera and verify all included items:

- Sony RX100 VII Premium Compact Camera (DSC-RX100M7)
- Rechargeable Battery Pack (NP-BX1)
- AC Adapter
- Micro USB Cable
- Wrist Strap
- Strap Adapter



Figure 2.1: Sony Cyber-Shot RX100 VII camera and included accessories.

2.2 Battery Installation and Charging

1. Open the battery/memory card cover on the bottom of the camera.
2. Insert the NP-BX1 battery pack with the correct orientation until it locks into place.
3. Close the cover.
4. Connect the camera to the AC adapter using the Micro USB cable, then plug the AC adapter into a power outlet to charge the battery. The charge lamp will light up during charging and turn off when complete.

2.3 Memory Card Insertion

The camera supports SDXC memory cards. A Lexar Professional 633x 64GB SDXC Memory Card is included in some bundles.

1. Open the battery/memory card cover.
2. Insert the memory card into the slot with the correct orientation until it clicks.
3. Close the cover.

3. OPERATING THE CAMERA

3.1 Camera Layout and Controls

Familiarize yourself with the camera's main components:



Figure 3.1: Front view of the Sony RX100 VII with lens extended.



Figure 3.2: Rear view of the Sony RX100 VII, showing the LCD and controls.



Figure 3.3: Top view of the Sony RX100 VII, showing the mode dial.

3.2 Powering On/Off

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

3.3 Basic Photography Modes

Rotate the mode dial to select your desired shooting mode:

- **AUTO:** The camera automatically optimizes settings for various scenes.
- **SCN (Scene Selection):** Choose from preset scene modes (e.g., Portrait, Landscape, Night Scene) for specific shooting conditions.
- **P (Program Auto):** The camera automatically sets aperture and shutter speed, but you can adjust other settings.
- **A (Aperture Priority):** Manually control the aperture to adjust depth of field.
- **S (Shutter Priority):** Manually control the shutter speed to capture fast-moving subjects or create motion blur.
- **M (Manual Exposure):** Full manual control over aperture and shutter speed.

3.4 Autofocus System

The RX100 VII features a Fast Hybrid AF system with 315 phase-detection points and 425 contrast-detection AF points, covering a wide area of the image. It includes:

- **Real-time Tracking:** Advanced subject tracking for both stills and movies.
- **Real-time Eye AF:** Detects and tracks human and animal eyes for precise focus in portraits and wildlife photography.

3.5 Continuous Shooting

Capture fast-moving action with high-speed continuous shooting:

- Up to 20 frames per second (fps) with AF/AE tracking and blackout-free shooting.
- Single Burst Shooting at up to 90fps for capturing decisive moments.

3.6 Video Recording

The RX100 VII offers professional-level movie functionality:

- **4K HDR (HLG) Recording:** Capture high-resolution video with extended dynamic range.

- **4K Active SteadyShot:** Enhanced image stabilization for smooth handheld video.
- **Vertical-position data recording:** Automatically adds metadata for vertical video playback.
- Integrated microphone jack for high-quality audio recording.



Figure 3.4: The tilting LCD screen is useful for various shooting angles, including vlogging.



Figure 3.5: The pop-up electronic viewfinder (EVF) provides an alternative to the LCD screen for composing shots.

4. ADVANCED FEATURES

4.1 S-Log Gamma Recording

For advanced video production, the RX100 VII supports S-Log2 and S-Log3 gamma curves. These profiles capture a wider dynamic range, providing more flexibility for color grading in post-production.

4.2 Interval Shooting

The camera offers interval shooting functionality, allowing you to capture a series of still images at set intervals for creating time-lapse movies.

5. MAINTENANCE

5.1 Cleaning the Camera

- **Camera Body:** Wipe gently 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 with your fingers.
- **LCD Screen:** Use a soft, dry cloth. Avoid excessive pressure.

5.2 Battery Care

- Charge the battery fully before first use and after long periods of storage.
- Store batteries in a cool, dry place.

- Avoid exposing batteries to extreme temperatures.

5.3 Storage

When not in use, store the camera in a dry, dust-free environment, preferably in a camera bag or case. Remove the battery if storing for extended periods.

6. TROUBLESHOOTING

If you encounter issues with your camera, try the following basic troubleshooting steps:

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Cannot take pictures:** Check if a memory card is inserted and has sufficient free space. Verify shooting mode and focus settings.
- **Blurry images:** Check focus mode (Auto/Manual), ensure sufficient lighting, and consider using a higher shutter speed or image stabilization.
- **Camera overheats during extended use:** This can occur during prolonged video recording or continuous shooting. Allow the camera to cool down.
- **Incorrect colors:** Check White Balance settings.

For more detailed troubleshooting, refer to the comprehensive user guide available on the Sony support website.

7. SPECIFICATIONS

Feature	Specification
Brand	Sony
Model Name	E12SNDSCRX100M7
Photo Sensor Resolution	20.1 MP
Photo Sensor Size	1-inch
Optical Zoom	8x
Lens Type	ZEISS Vario-Sonnar T* 24-200mm F2.8 – F4.5
Image Stabilization	Digital, Optical
Video Resolution	1080p, 2160p (4K)
Continuous Shooting	20 FPS
Autofocus Points	425 (Phase Detection)
Screen Size	3 Inches
Display Type	Tilting LCD, Touch Screen
Viewfinder	Electronic
Connectivity Technology	Bluetooth, Wi-Fi

Feature	Specification
Battery Type	Lithium Ion (NP-BX1)
Item Weight	1.8 Pounds

8. OFFICIAL PRODUCT VIDEOS

Sony Cyber-shot DSC-RX100 VII Product Overview

Your browser does not support the video tag.

This official product overview from Sony Electronics details the design and core functionalities of the Sony Cyber-shot DSC-RX100 VII camera.

DPRReview Sony Cyber-shot DSC-RX100 VII Product Overview

Your browser does not support the video tag.

A detailed product overview of the Sony Cyber-shot DSC-RX100 VII by DPRReview, showcasing its features and performance in various scenarios.

9. WARRANTY AND SUPPORT

Your Sony Cyber-Shot RX100 VII is covered by a SONY USA AUTHORIZED warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Sony support website.

For further assistance, technical support, or to download the full user manual, please visit the official Sony Electronics support page:

[Sony Electronics Support](#)