

Sony SLT-A77

Sony Alpha SLT-A77 Digital SLR Camera User Manual

Model: SLT-A77

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Sony Alpha SLT-A77 Digital SLR Camera. Please read it thoroughly before operating the camera and retain it for future reference.

Key Features

- **24.3 Megapixel Exmor APS HD CMOS Sensor:** Captures high-resolution images with fine detail.
- **Translucent Mirror Technology:** Enables continuous phase-detection autofocus during still shooting and Full HD video recording.
- **High-Speed Continuous Shooting:** Up to 12 frames per second with continuous autofocus.
- **XGA OLED Tru-Finder:** High-resolution electronic viewfinder for clear and accurate composition.
- **3-Way Tilt/Swivel LCD Monitor:** Offers flexible viewing angles for various shooting situations.
- **Full HD Video Recording:** Supports AVCHD (60p/60i/24p) and MP4 formats with full manual control.
- **SteadyShot INSIDE Stabilization:** In-body image stabilization compatible with all A-mount lenses.
- **Durable Magnesium Alloy Body:** Weather-resistant construction for reliable performance.

2. SETUP

What's in the Box

Verify that all items are present:

- Sony Alpha SLT-A77 Camera Body
- Rechargeable Battery
- Battery Charger
- Power Cord
- USB Cable
- Shoulder Strap

- Body Cap
- Eyepiece Cup
- Instruction Manual (this document)

Charging the Battery

1. Insert the battery into the supplied charger.
2. Connect the charger to a power outlet using the power cord.
3. The charge indicator lamp will illuminate during charging and turn off when charging is complete.

Inserting the Battery and Memory Card

1. Open the battery/memory card cover on the bottom of the camera.
2. Insert the charged battery with the correct orientation until it locks into place.
3. Insert a compatible memory card (Memory Stick PRO Duo/PRO-HG Duo or SD/SDHC/SDXC Class 4 or higher) into the card slot until it clicks. Ensure the card is facing the correct direction.
4. Close the battery/memory card cover securely.

Attaching a Lens

1. Remove the body cap from the camera and the rear lens cap from the lens.
2. Align the white index mark on the lens with the white index mark on the camera body.
3. Mount the lens by turning it clockwise until it clicks into place.



Figure 2.1: Front view of the Sony Alpha SLT-A77 camera body, showing the lens mount.

3. OPERATING THE CAMERA

Power On/Off

To turn the camera on or off, rotate the power switch located around the shutter button.

Selecting a Shooting Mode

The mode dial on the top of the camera allows you to select various shooting modes:



Figure 3.1: Top view of the camera, highlighting the mode dial for selecting shooting functions.

- **AUTO+**: Advanced Auto mode for simplified shooting.

- **P (Program Auto):** Camera sets aperture and shutter speed, you control other settings.
- **A (Aperture Priority):** You set aperture, camera sets shutter speed.
- **S (Shutter Priority):** You set shutter speed, camera sets aperture.
- **M (Manual Exposure):** You control both aperture and shutter speed.
- **SCN (Scene Selection):** Pre-set modes for specific scenes (e.g., Portrait, Landscape).
- **Movie Mode:** For recording videos.
- **Sweep Panorama:** For capturing wide panoramic images.
- **3D:** For shooting 3D images.

Using the Viewfinder and LCD Monitor

The camera features both an XGA OLED Tru-Finder electronic viewfinder and a 3-way tilt/swivel LCD monitor.



Figure 3.2: Rear view of the camera with the multi-angle LCD monitor extended, demonstrating its flexibility.

You can switch between the viewfinder and LCD using the DISP button or by configuring the eye sensor. The LCD monitor can be tilted and swiveled for comfortable shooting from various angles, including self-portraits.

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Video 3.1: An overview of the Tru-Finder OLED electronic viewfinder, highlighting its high resolution and contrast for detailed viewing.

Autofocus System

The SLT-A77 features a 19-point autofocus system with 11 cross sensors, providing fast and accurate focusing, even with moving subjects. Translucent Mirror Technology allows continuous AF during both still and video recording.

Recording Videos

To record a video, set the mode dial to the movie icon. Press the MOVIE button to start and stop recording. The camera supports Full HD (1920x1080) video at 60p, 60i, or 24p in AVCHD format, and MP4 for web-

friendly files. Full manual control (P/A/S/M) is available in movie mode.

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Video 3.2: An introductory video showcasing various features and capabilities of the Sony Alpha SLT-A77 camera, including its high-speed shooting and video functions.

4. MAINTENANCE

Cleaning the Camera

- **Camera Body:** Wipe with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water or a mild detergent, then wipe dry.
- **Lens and Viewfinder:** Use a lens blower to remove dust, then gently wipe with a lens cleaning cloth. Avoid touching the lens surface with your fingers.
- **Image Sensor:** The camera has an Advanced Anti-Dust Technology system. If dust spots persist, use the camera's cleaning function or consult a service center.

Storage

When not in use for an extended period, remove the battery and store the camera in a cool, dry place away from direct sunlight and moisture. Use a desiccant to prevent mold growth.

5. TROUBLESHOOTING

Common Issues and Solutions

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Images are blurry:** Check focus mode (AF/MF), ensure sufficient lighting, and verify SteadyShot INSIDE is active if needed. Clean the lens.
- **Memory card error:** Ensure the memory card is correctly inserted and compatible. Try formatting the card (this will erase all data).
- **Flash does not fire:** Check flash mode settings. Ensure the subject is within flash range.
- **Video recording stops unexpectedly:** Ensure the memory card has sufficient free space and is Class 4 or higher for video recording.

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

6. SPECIFICATIONS

Feature	Specification
Model Name	SLT ALPHA A77
Photo Sensor Resolution	24.3 MP
Photo Sensor Size	APS-C
Image Stabilization	Sensor-shift (SteadyShot INSIDE)

Feature	Specification
Compatible Mountings	Sony/Minolta Alpha, Sony/Minolta Alpha DT
Continuous Shooting Speed	12 fps
Video Resolution	FHD 1080p (AVCHD, MP4)
ISO Range	Auto, 100-16000 (expandable to 50, 25600)
Display Type	3-inch Articulating LCD (921,000 dots, TruBlack)
Viewfinder	Electronic (XGA OLED Tru-Finder)
Autofocus Points	19 (with 11 cross sensors)
Storage Media	Memory Stick PRO Duo/PRO-HG Duo, SD/SDHC/SDXC
Connectivity	HDMI (Type C Mini), USB, EyeFi (wireless technology)
Item Weight	1.6 Pounds (approx. 725g)

7. WARRANTY AND SUPPORT

Legal Disclaimer

This product is covered by a 14-day satisfaction guarantee and a 90-day parts and labor warranty. Please retain your proof of purchase for warranty claims.

Customer Support

For further assistance, technical support, or warranty service, please visit the official Sony support website or contact Sony customer service. Detailed product information and software updates may also be available online.