

Sony a6300

Sony Alpha a6300 Mirrorless Digital Camera (ILCE-6300) with E PZ 16-50mm F3.5-5.6 OSS Power Zoom Lens - Instruction Manual

Model: a6300 (ILCE-6300)

Brand: Sony

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Sony Alpha a6300 Mirrorless Digital Camera. Please read this manual thoroughly before operating the camera and retain it for future reference. The Sony Alpha a6300 is an interchangeable lens digital camera featuring an APS-C sensor, advanced autofocus capabilities, and 4K video recording, bundled with an E PZ 16-50mm F3.5-5.6 OSS Power Zoom Lens.

Key Features:

- **Faster Autofocus:** Shoot up to 11fps with 425 phase detection autofocus points and 0.05 sec AF speed.
- **Incredible Photography:** Advanced 24.2 MP Exmor CMOS sensor expands sensitivity and minimizes noise.
- **Electronic Viewfinder:** Features a high resolution XGA OLED Tru-Finder for enhanced viewing.
- **4K & HD Recording:** Record professional content with multiple movie functions and full pixel readout.
- **Lens Included:** Sony E-Mount 16-50 mm f/3.5-5.6 OSS retractable zoom lens for detailed shots.
- **Battery Life:** Approximately 350 shots (viewfinder) / 400 shots (LCD screen) (CIPA standard).

WHAT'S IN THE BOX

- Sony Alpha a6300 Camera Body
- E PZ 16-50mm F3.5-5.6 OSS Power Zoom Lens
- Rechargeable Battery
- AC Adaptor

- Micro USB Cable
- Warranty Card

PRODUCT OVERVIEW



Front View: Displays the lens mount, E-mount logo, and Sony branding. The lens is attached.



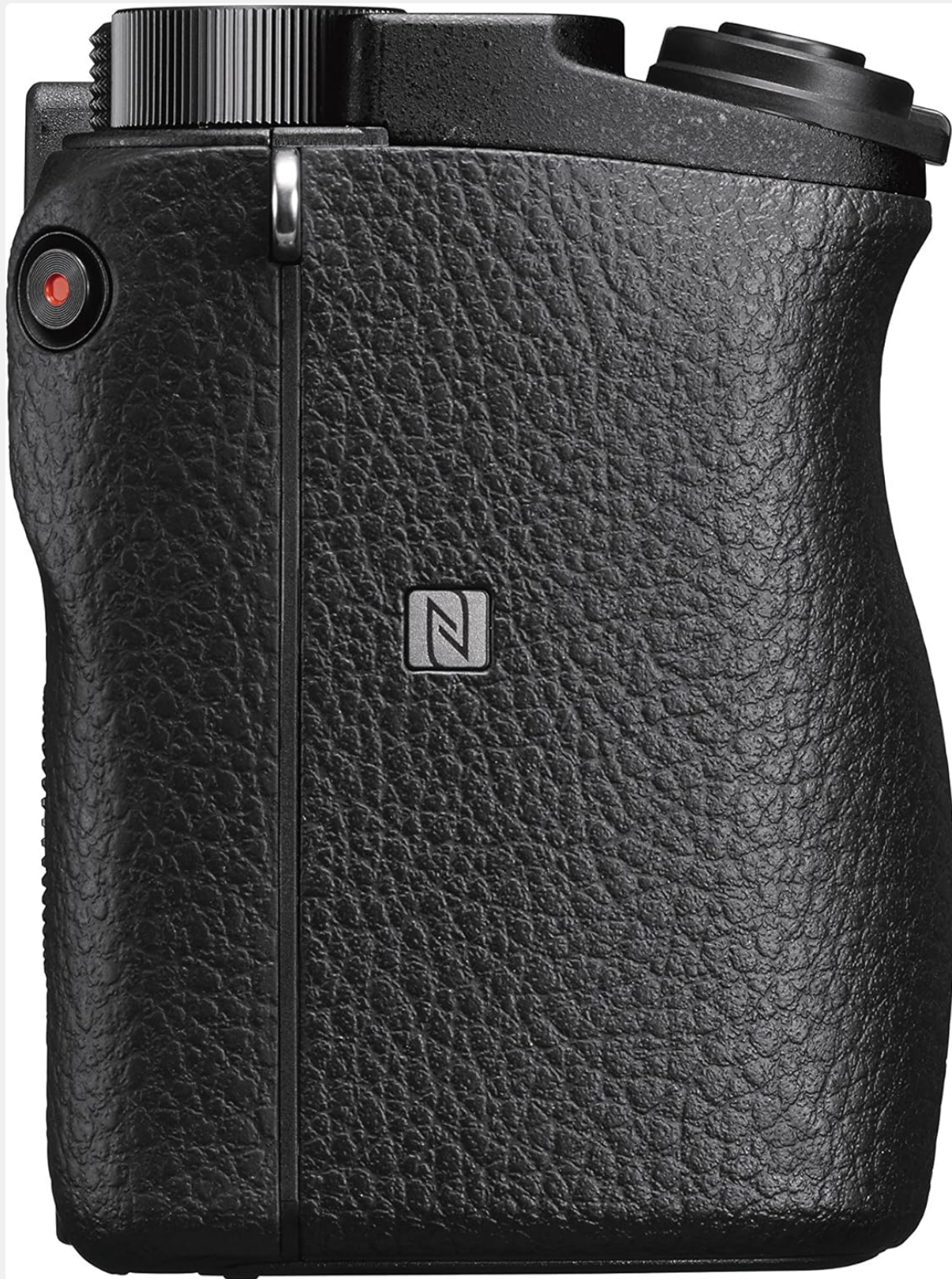
Bottom View: Shows the battery and memory card compartment with a lock/open switch, and the tripod mount thread.



Left Side View: Reveals the multi-port, HDMI port, and microphone input, protected by a cover.



Back View: Features the tilting LCD screen, electronic viewfinder, and various control buttons including Menu, AF/MF, AEL, Fn, DISP, ISO, and a control wheel.



Right Side View: Shows the textured grip for comfortable handling and the NFC logo for quick pairing.



Top View: Features the mode dial, power switch, shutter button, and hot shoe for external accessories.

SETUP

1. Charging the Battery

Insert the supplied rechargeable battery into the camera. Connect the camera to a power source using the Micro USB cable and AC adaptor. The charging indicator light will illuminate during charging and turn off when complete. The camera can also be charged directly via USB.

2. Inserting a Memory Card

Open the battery/memory card compartment cover located on the bottom of the camera. Insert a compatible SDXC memory card into the slot until it clicks into place. Ensure the card is inserted correctly to avoid damage.

3. Attaching the Lens

Align the white index mark on the lens barrel with the white index mark on the camera's lens mount. Rotate the lens clockwise until it locks into place. To remove the lens, press the lens release button on the camera body and rotate the lens counter-clockwise.



Lens Mount: The camera body with the lens removed, exposing the E-mount sensor. This is where interchangeable lenses are attached.

OPERATING THE CAMERA

1. Powering On/Off

To power on the camera, rotate the ON/OFF switch located on the top plate. To power off, rotate the switch back to the OFF position.

2. Basic Photography Modes

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

- **AUTO:** The camera automatically analyzes the scene and selects optimal settings.
- **P (Program Auto):** The camera automatically sets aperture and shutter speed, but you can adjust other settings.
- **A (Aperture Priority):** You set the aperture, and the camera sets the shutter speed. Ideal for controlling depth of field.
- **S (Shutter Priority):** You set the shutter speed, and the camera sets the aperture. Ideal for controlling motion blur.
- **M (Manual Exposure):** You control both aperture and shutter speed.
- **Movie:** Dedicated mode for video recording.

3. Video Recording

To start recording a video, switch the mode dial to 'Movie' and press the dedicated MOVIE button. The camera supports 4K UHD 2160p video recording. Ensure you have a high-speed memory card for 4K recording.

4. Using the LCD Screen and Viewfinder

The camera features a tilting LCD screen that can be adjusted for various shooting angles, including low-angle and high-angle shots. The electronic viewfinder (EVF) provides a clear, detailed view of your scene, especially useful in bright conditions. The camera automatically switches between the LCD and EVF when you bring your eye to the viewfinder.



Tilting LCD Screen (Down): The LCD screen tilted downwards, useful for shooting from high angles.



Tilting LCD Screen (Up): The LCD screen tilted upwards, useful for shooting from low angles.

ADVANCED FEATURES

1. Wi-Fi and NFC Connectivity

The Sony a6300 features built-in Wi-Fi and NFC (Near Field Communication) for seamless connectivity. Use Wi-Fi to transfer images to your smartphone or computer, or to control the camera remotely. NFC allows for

quick, one-touch connection with compatible Android devices.

2. HDMI Output

The camera is equipped with a Type D Micro HDMI port, allowing you to connect it to an external monitor or TV for live viewing during recording or playback. This is particularly useful for studio setups or for reviewing footage on a larger screen.

3. S-Log2 for Professional Video

The Sony a6300 supports S-Log2 gamma for professional video production, offering a wider dynamic range for color grading in post-production. This feature is accessed through the Picture Profile settings in the camera menu. Adjusting S-Log2 requires careful exposure and color grading in editing software to achieve optimal results.

Video: Canon 24mm How to use with Sony with Examples. This video demonstrates how to use a Canon 24mm lens with a Sony camera, providing practical examples for users interested in lens compatibility and usage.

Video: Sony a6300 24MP Mirrorless Interchangeable Lens Camera. An overview of the Sony a6300, highlighting its 24MP sensor and interchangeable lens capabilities.

Video: DPReview: Sony a6300 APS-C mirrorless digital camera. A detailed review from DPReview focusing on the features and performance of the Sony a6300 APS-C mirrorless camera.

Video: DPReview Sony a6300 Hands-on. A hands-on demonstration of the Sony a6300 by DPReview, showcasing its physical aspects and user interface.

Video: Sony A6300 with 16-50mm Lens 24MP Digital Camera Unboxing. An unboxing video of the Sony a6300 with the 16-50mm kit lens, showing the contents and initial impressions.

Video: DPReview Field Test: Shooting Dog Portraits with the Sony a6300. A field test by DPReview demonstrating the Sony a6300's capabilities in shooting dog portraits, offering insights into its performance in real-world scenarios.

Video: Sony 16-50 lens review! A review of the Sony 16-50mm kit lens, discussing its features and performance when paired with Sony Alpha cameras.

MAINTENANCE

To ensure the longevity and optimal performance of your Sony Alpha a6300, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the camera body and lens with a soft, lint-free cloth. Use a blower brush to remove dust from the lens and sensor. Avoid using harsh chemicals.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Fully charge batteries before extended use.
- **Storage:** When not in use, store the camera in a dry, dust-free environment, preferably with a desiccant pack to prevent moisture buildup.
- **Lens Protection:** Always use the lens cap when the lens is not in use. Consider a UV filter for added front element protection.

TROUBLESHOOTING

If you encounter issues with your camera, refer to the following common solutions:

- **Camera Not Powering On:** Ensure the battery is fully charged and correctly inserted. Try using a different charged battery if available.
- **Images Are Blurry:** Check that the lens is clean and properly attached. Ensure autofocus is engaged and the subject is within the focus range. Adjust shutter speed to prevent motion blur.
- **Memory Card Error:** Ensure the memory card is inserted correctly. Try reformatting the card (this will erase all data) or use a different compatible memory card.
- **Overheating During Video Recording:** Extended 4K video recording can cause the camera to heat up. Allow the camera to cool down. Reduce ambient temperature if possible.
- **Wi-Fi Connection Issues:** Ensure Wi-Fi is enabled on both the camera and the connecting device. Check network settings and try reconnecting.

For more detailed troubleshooting, please consult the full Sony support documentation or contact customer service.

SPECIFICATIONS

Feature	Specification
Brand	Sony
Model Name	Sony Alpha A6300
Model Number	ILCE6300L/B
Form Factor	Mirrorless
Photo Sensor Resolution	24.2 MP (Effective Still) / 25 MP (Total Still)
Photo Sensor Size	APS-C
Video Resolution	4K UHD 2160p
Lens Type	Standard-zoom (16-50mm)
Maximum Aperture	5.6 f
Image Stabilization	Optical
Autofocus Points	425
Continuous Shooting	11 FPS
ISO Range	100-51200
Screen Size	3 Inches
Display Type	LCD
Connectivity Technology	HDMI, USB, Built-In Wi-Fi (802.11b/g/n with NFC)
Flash Memory Type	SDXC
Item Weight	16 ounces

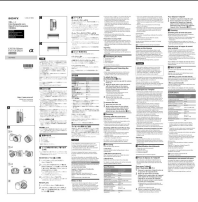



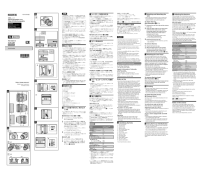

WARRANTY INFORMATION

The Sony Alpha a6300 comes with a 1-year coverage for labor and 1-year coverage for parts. Please retain your proof of purchase for warranty claims.

SUPPORT

For additional support, detailed user guides, software updates, or service inquiries, please visit the official Sony support website or contact Sony customer service. You can also find helpful resources and community forums online.

Related Documents - a6300

	<p>Sony E PZ 16-50mm F3.5-5.6 OSS II Interchangeable Lens Operating Instructions</p> <p>Comprehensive operating instructions for the Sony E PZ 16-50mm F3.5-5.6 OSS II E-mount interchangeable lens. Learn how to attach, detach, zoom, focus, and understand specifications and precautions for optimal use with Sony Alpha cameras.</p>
	<p>Sony Alpha α6300: Flagship APS-C Mirrorless Camera with 4K Video and Advanced Autofocus</p> <p>Discover the Sony Alpha α6300, a compact and powerful APS-C mirrorless camera. Featuring a 24.2MP Exmor CMOS sensor, lightning-fast 0.05-second autofocus, 4K movie recording, high-speed shooting capabilities, and a durable magnesium alloy body, it's designed for professional and enthusiast photographers and videographers.</p>
	<p>Sony ZV-E10 Camera and E PZ 16-50mm Lens Manuals User Guide & Specifications</p> <p>Comprehensive user manual and help guide for the Sony ZV-E10 interchangeable lens digital camera and the E PZ 16-50mm F3.5-5.6 OSS II lens. Includes setup, operation, features, and specifications.</p>
	<p>Sony SELP1650 E PZ 16-50mm F3.5-5.6 OSS Service Manual</p> <p>This service manual provides detailed information for the Sony SELP1650 E PZ 16-50mm F3.5-5.6 OSS interchangeable lens, including specifications, disassembly instructions, repair parts lists, and adjustment procedures.</p>
	<p>Sony FE 50mm F1.4 GM Lens Operating Instructions</p> <p>Comprehensive operating instructions and specifications for the Sony FE 50mm F1.4 GM E-mount camera lens, covering attachment, focusing, aperture control, and essential usage guidelines.</p>
	<p>Sony FE 70-200mm F2.8 GM OSS II SEL70200GM2 Lens Operating Instructions</p> <p>Comprehensive operating instructions for the Sony FE 70-200mm F2.8 GM OSS II (SEL70200GM2) E-mount camera lens, covering attachment, usage, features, and specifications.</p>

