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## Sony ILCE-6500/B

# Sony Alpha a6500 Mirrorless Digital Camera Instruction Manual

Model: ILCE-6500/B

## INTRODUCTION

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The Sony Alpha a6500 is a high-performance mirrorless digital camera designed for both still photography and video recording. It features a 24.2 MP APS-C Exmor CMOS sensor, offering exceptional image quality and low-light performance up to ISO 51,200. This camera is equipped with the world's fastest autofocus speed of 0.05 seconds, utilizing 425 phase-detection AF points for precise and rapid subject tracking.

Key features include 5-axis in-body image stabilization, which provides shake compensation for all mounted lenses, and continuous shooting at up to 11 frames per second with AF/AE tracking. For videographers, the a6500 supports 4K movie recording with 2.4x oversampling, full pixel readout, and no pixel binning, ensuring high-resolution video capture.

Advanced video features like S-Log3/S-Log2 and S-Gamut are also integrated for professional-grade color grading flexibility.

## SAFETY INFORMATION

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Please read all safety instructions carefully before using the camera. Failure to do so may result in injury or damage to the product.

- Do not expose the camera to water or moisture.
- Avoid direct exposure to strong sunlight for extended periods.
- Use only Sony-approved batteries and accessories.
- Do not disassemble or attempt to repair the camera yourself. Refer to qualified service personnel.
- Keep the camera and accessories out of reach of small children.
- Observe local regulations for battery disposal.

## WHAT'S IN THE BOX

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Verify that all the following items are included in your product package:

- Sony Alpha a6500 Camera Body (ILCE-6500/B)
- Battery NP-FW50
- AC Adaptor

- Shoulder Strap
- Body Cap
- Accessory Shoe Cap
- Eyepiece Cup
- Micro USB Cable

## SETUP

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### 1. Charging the Battery

Insert the supplied NP-FW50 battery into the camera. Connect the camera to the AC adaptor using the Micro USB cable. The charge lamp will light up during charging and turn off when charging is complete. A full charge typically takes approximately 150 minutes.

### 2. Inserting a Memory Card

Open the memory card/battery cover on the bottom of the camera. Insert a compatible SD card (SDHC/SDXC) or Memory Stick PRO Duo with the contacts facing the correct direction until it clicks into place. Ensure the card is inserted securely.



Bottom view of the Sony Alpha a6500 camera, illustrating the location of the battery and memory card compartment. The compartment cover is visible, indicating where to insert the NP-FW50 battery and a compatible memory card.

### 3. Attaching a Lens

Align the white index mark on the lens barrel with the white index mark on the camera body. Rotate the lens clockwise until it clicks into place. To detach, press the lens release button and rotate the lens counter-clockwise.



Front view of the Sony Alpha a6500 camera body, showcasing the E-mount lens attachment system. The silver E-mount ring is prominent, indicating where compatible lenses are attached.

## OPERATING THE CAMERA

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### Basic Shooting Modes

The mode dial on the top of the camera allows you to select various shooting modes, including Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), and Intelligent Auto (AUTO).



Top view of the Sony Alpha a6500, highlighting the mode dial on the right side. The dial features various shooting modes such as P, A, S, M, and AUTO, along with custom settings and video modes.

### Autofocus and Touchscreen Operation

The a6500 features a fast Hybrid AF system with 425 phase-detection points. You can use the 2.95-inch LCD touchscreen to intuitively select your focus point by simply tapping the desired area on the screen. This allows for quick and precise focusing.



Rear view of the Sony Alpha a6500, displaying the LCD screen and various control buttons. Key controls like AF/MF, AEL, Menu, Fn, DISP, and ISO are visible around the screen.



A hand demonstrating interaction with the touchscreen of the Sony Alpha a6500. This image illustrates the ease of selecting focus points or navigating menus directly on the LCD.

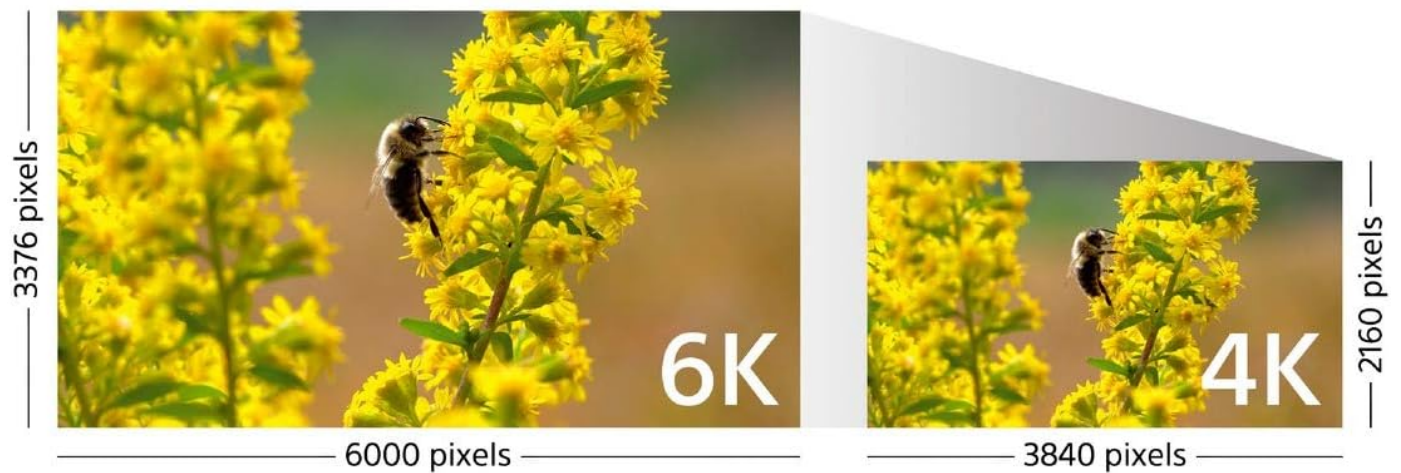


Rear view of the Sony Alpha a6500 with its LCD screen tilted upwards, providing flexibility for shooting from various angles, including low-angle shots or vlogging.

## Video Recording

The a6500 supports 4K UHD (3840 x 2160) video recording. It utilizes 2.4x oversampling from a 6K equivalent area of the sensor, resulting in highly detailed 4K footage with minimal moiré and jaggies. Professional video features like S-Log3/S-Log2 gamma curves and S-Gamut are available for extensive post-production flexibility.

## 2.4 times Information



A diagram visually explaining the 2.4x oversampling process used by the Sony Alpha a6500 for 4K video recording. It shows how a 6K equivalent area (6000x3376 pixels) is downsampled to produce high-quality 4K footage (3840x2160 pixels).

## Connectivity

The camera offers various connectivity options including Wi-Fi, NFC, USB, and HDMI. These ports are located on the side of the camera body.



Side view of the Sony Alpha a6500, revealing the connectivity ports. These include the Micro USB port for charging and data transfer, and the HDMI port for video output.



Side view of the Sony Alpha a6500, displaying the NFC (Near Field Communication) logo. This indicates the camera's capability for quick, tap-to-connect pairing with compatible smartphones and devices for easy image transfer.

## MAINTENANCE

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## Cleaning the Camera

- Use a soft, dry cloth to clean the camera body.
- For the lens and LCD screen, use a lens cleaning cloth and solution specifically designed for optical surfaces.
- Avoid touching the sensor directly. If the sensor requires cleaning, consult a professional service.

## Storage

When not in use, store the camera in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent leakage.

## TROUBLESHOOTING

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### Camera Does Not Turn On

- Ensure the battery is fully charged and correctly inserted.
- Check if the battery terminals are clean.

### Images Are Blurry

- Check if the lens is properly attached.
- Ensure the autofocus is engaged and has locked onto the subject.
- Verify that the shutter speed is appropriate for the lighting conditions and subject movement.
- Consider using a tripod or increasing ISO in low light to avoid camera shake.

### Memory Card Error

- Reinsert the memory card.
- Try a different, compatible memory card.
- Format the memory card (note: this will erase all data).

## SPECIFICATIONS

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Feature	Detail
Model Name	Sony Alpha A6500 (ILCE-6500/B)
Sensor Type	APS-C Exmor CMOS
Effective Still Resolution	24.2 MP
Image Stabilization	5-axis in-body (Sensor-shift)
Autofocus Points	425 Phase-detection AF points
AF Acquisition Speed	0.05 seconds
Continuous Shooting	Up to 11 fps with AF/AE tracking
Video Resolution	4K UHD 2160p (with 2.4x oversampling)
ISO Range	Up to 51,200 (Expanded)
Screen Size	2.95 Inches (Tilting LCD, Touchscreen)

Feature	Detail
Viewfinder	Electronic
Connectivity	Wi-Fi, NFC, USB, HDMI
Battery Type	NP-FW50 Lithium Ion
Weight	0.91 Pounds (Body Only)
Dimensions (H x W x D)	Approx. 2.13 inches (Height)

## WARRANTY AND SUPPORT

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The Sony Alpha a6500 comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, service, or additional information, please visit the official Sony support website or contact their customer service.

Return Policy: Returns are available within 30 days, subject to Amazon's policy.

For further assistance, you may visit the [Sony Store on Amazon](#).

