

Sony ILCE-6700M

Sony Alpha a6700 Mirrorless Camera User Manual

Model: ILCE-6700M with E 18-135mm f/3.5-5.6 OSS Lens

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Sony Alpha a6700 Mirrorless Camera. The Sony a6700 combines advanced imaging technology from Sony's Cinema Line with the renowned still-image capabilities of the Alpha series. It features a 26.0MP Exmor R CMOS sensor and a BIONZ XR processor, enabling high-speed continuous shooting and UHD 4K video recording. Key features include AI-driven autofocus, in-body image stabilization, and vlog-friendly framing options. This guide will assist you in setting up, operating, and maintaining your camera and the included 18-135mm zoom lens.

2. WHAT'S INCLUDED

Verify that all items are present in your package:

- Sony Alpha a6700 Mirrorless Camera Body
- Sony E 18-135mm f/3.5-5.6 OSS Lens
- Sony NP-FZ100 Rechargeable Lithium-Ion Battery (2280mAh)
- Sony ALC-B1EM Body Cap for E-Mount Cameras
- Shoulder Strap
- Accessory Shoe Cap
- Eyepiece Cup
- Sony ALC-F55S 55mm Front Lens Cap
- Sony ALC-R1EM Rear Lens Cap
- Sony ALC-SH153 Lens Hood

- Additional NP-FZ100 Battery (Bundle Item)
- NP-FZ100 Battery Charger (Bundle Item)
- 2 x 64GB Memory Card (Bundle Item)
- 3 Piece Filter Kit (Bundle Item)
- LED Light (Bundle Item)
- Photo Software (Bundle Item)
- Micro HDMI Cable (Bundle Item)
- Deluxe Soft Case (Bundle Item)
- Graduated Color Filter Kit (Bundle Item)
- 12-inch Flexible Tripod (Bundle Item)
- Memory Card Wallet (Bundle Item)
- Cleaning Kit (Bundle Item)
- Hand Strap (Bundle Item)
- Lens Cap Keeper (Bundle Item)

3. CAMERA OVERVIEW

3.1 Front View



Figure 3.1: Front view of the Sony Alpha a6700 with the 18-135mm lens. Shows the lens, lens release button, and grip.

- **Lens:** Sony E 18-135mm f/3.5-5.6 OSS lens.
- **Lens Release Button:** Press to detach the lens.
- **Grip:** Ergonomic grip for stable handling.

3.2 Rear View



Figure 3.2: Rear view of the Sony Alpha a6700. Displays the LCD screen, viewfinder, and various control buttons.

- **LCD Monitor:** For live view, menu navigation, and image playback.
- **Viewfinder:** Electronic viewfinder for precise framing.
- **MENU Button:** Accesses camera settings.
- **Control Wheel:** Navigates menus and adjusts settings.
- **AF-ON Button:** Activates autofocus.
- **Fn (Function) Button:** Quick access to frequently used settings.

3.3 Top View



Figure 3.3: Top view of the Sony Alpha a6700. Highlights the mode dial, power switch, and hot shoe.

- **Mode Dial:** Selects shooting modes (P, A, S, M, Auto, S&Q, etc.).
- **Power Switch:** Turns the camera on/off.
- **Shutter Button:** Captures photos and starts/stops video recording.
- **Hot Shoe:** For attaching external flash units or other accessories.

3.4 Lens Overview (Sony E 18-135mm f/3.5-5.6 OSS)



Figure 3.4: The Sony E 18-135mm f/3.5-5.6 OSS lens. Features zoom and focus rings.

- **Zoom Ring:** Adjusts the focal length from 18mm (wide-angle) to 135mm (telephoto).
- **Focus Ring:** For manual focusing.
- **Optical SteadyShot (OSS):** Built-in image stabilization for sharper images.

4. SETUP

4.1 Charging and Inserting the Battery

1. Insert the NP-FZ100 battery into the supplied charger.
2. Connect the charger to a power outlet. The charging indicator will light up.
3. Once charging is complete, remove the battery.
4. Open the battery cover on the bottom of the camera.
5. Insert the charged battery into the camera with the correct orientation until it locks into place. Close the battery cover.

4.2 Attaching the 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.
4. Attach the front lens cap and lens hood when not in use.

4.3 Inserting a Memory Card

1. Open the memory card cover on the side of the camera.
2. Insert an SDXC memory card into the slot with the contacts facing the correct direction, until it clicks.
3. Close the memory card cover.
4. It is recommended to format the memory card in the camera before first use.

5. OPERATING THE CAMERA

5.1 Powering On/Off

Move the power switch around the shutter button to the 'ON' position to turn on the camera. Move it to 'OFF' to power down.

5.2 Selecting a Shooting Mode

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

- **P (Program Auto):** Camera automatically sets aperture and shutter speed.
- **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):** You control both aperture and shutter speed.
- **AUTO:** Fully automatic mode for simple point-and-shoot operation.
- **S&Q (Slow & Quick Motion):** For recording slow-motion or quick-motion videos.
- Other scene modes (e.g., Landscape, Portrait, Macro) are also available.

5.3 Focusing

The a6700 features advanced AI-driven autofocus. Half-press the shutter button to activate autofocus. The camera will automatically detect and track subjects. You can also use the AF-ON button for dedicated autofocus activation.

5.4 Recording Videos

To start video recording, press the dedicated MOVIE button. Press it again to stop recording. The camera supports UHD 4K video recording at various frame rates (24, 30, 60 FPS).

5.5 Image Stabilization

The camera features in-body image stabilization, complemented by the Optical SteadyShot (OSS) in the 18-135mm lens, to reduce blur caused by camera shake, especially in low light or at longer focal lengths.

5.6 Wi-Fi and Creators' Cloud Connectivity

The camera has built-in Wi-Fi for transferring images and videos to a smartphone or tablet using the Sony Creators' App. It is also compatible with the Creators' Cloud platform for enhanced workflow and remote control capabilities. Refer to the camera's on-screen menu for Wi-Fi setup instructions.

6. MAINTENANCE

6.1 Cleaning the Camera and Lens

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, slightly dampen the cloth with water.

- **Lens Surface:** Use a lens blower brush to remove dust. For smudges, use a lens cleaning solution and a microfiber cloth specifically designed for optical surfaces.
- **Sensor:** Avoid touching the image sensor directly. If dust is visible on images, use the camera's sensor cleaning function or consult a professional service center.

6.2 Storage

When not in use, store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Use a desiccant to prevent mold growth, especially in humid environments. Remove the battery if storing for extended periods.

7. 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. Ensure the lens is properly attached.
- **Images are blurry:** Verify that the lens is clean. Check focus settings and ensure sufficient light. Image stabilization should be active.
- **Memory card error:** Reinsert the memory card. If the error persists, try formatting the card (this will erase all data) or use a different card.
- **Wi-Fi connection issues:** Ensure the camera and smart device are within range and Wi-Fi is enabled on both. Restart both devices.

For more complex issues, refer to the comprehensive online help guide available on the Sony support website or contact Sony customer support.

8. SPECIFICATIONS

Feature	Specification
Model Name	ILCE-6700M
Sensor Type	APS-C Exmor R CMOS
Effective Still Resolution	26 MP
Image Processor	BIONZ XR
Lens Mount	Sony E-mount
Included Lens	Sony E 18-135mm f/3.5-5.6 OSS
Image Stabilization	Optical (In-body and Lens)
Autofocus Technology	AI Autofocus, Hybrid AF (399 points)
Continuous Shooting	Up to 11 FPS
Video Resolution	UHD 4K (2160p) at 24, 30, 60 FPS
Supported File Formats	JPEG, RAW, MP4

Feature	Specification
Display	Vari-angle LCD, Electronic Viewfinder
Connectivity	Wi-Fi, Micro HDMI
Battery Type	NP-FZ100 Lithium-Ion (2280mAh)
Memory Card Slot	SDXC compatible
Weight	Approx. 5.66 Pounds (with lens)
UPC	810151895147

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your Sony Alpha a6700 camera is covered by a manufacturer's limited warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, product inquiries, or service requests, please contact Sony customer support. You can find contact information and additional resources, including a comprehensive online help guide and firmware updates, on the official Sony support website:

<https://www.sony.com/electronics/support>

