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## Sony SEL2470Z/T

# Sony FE 24-70mm f/4 Vario-Tessar T\* OSS Zoom Lens Instruction Manual

Model: SEL2470Z/T

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your Sony FE 24-70mm f/4 Vario-Tessar T\* OSS Zoom Lens. This compact full-frame Carl Zeiss mid-range zoom lens offers a versatile 24mm to 70mm focal length range with a constant maximum aperture of F4, ensuring consistent exposure. It is designed for use with full-frame and APS-C E-mount cameras and features dust and moisture resistance for reliable performance.

## 2. SAFETY INFORMATION

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- Do not expose the lens to direct sunlight for extended periods, as this may damage the camera's image sensor.
- Avoid dropping or subjecting the lens to strong impacts.
- Keep the lens away from water and moisture to prevent malfunction.
- Do not attempt to disassemble or modify the lens. Repairs should only be performed by authorized service personnel.
- Store the lens in a cool, dry place away from extreme temperatures.

## 3. PACKAGE CONTENTS

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- Lens
- Lens hood (ALC-SH130: petal shape, bayonet type)
- Lens front cap
- Lens rear cap
- Case

## 4. PARTS IDENTIFICATION

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Familiarize yourself with the key components of your lens.



Figure 4.1: Front view of the Sony FE 24-70mm f/4 Vario-Tessar T\* OSS Zoom Lens.

- **Focus Ring:** Used for manual focusing.
- **Zoom Ring:** Adjusts the focal length between 24mm and 70mm.
- **E-mount Index:** Align with the camera's mount index for attachment.
- **Lens Hood Attachment Mark:** For attaching the lens hood.
- **Optical SteadyShot Switch:** Activates or deactivates image stabilization.
- **Filter Thread:** For attaching filters (67mm diameter).



Figure 4.2: Side view of the lens showing the zoom and focus rings.

## 5. SETUP

## Attaching the Lens

1. Remove the rear lens cap and the camera body cap.
2. Align the white index mark on the lens with the white index mark on your camera body.
3. Mount the lens by turning it clockwise until it clicks into place.
4. Attach the lens hood by aligning its mark with the lens hood attachment mark on the lens, then turn it clockwise until it locks.

## Removing the Lens

1. While pressing the lens release button on the camera body, turn the lens counter-clockwise until it stops.
2. Remove the lens.
3. Attach the lens caps to protect the lens and camera sensor.

## 6. OPERATING THE LENS

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### Zooming

Rotate the zoom ring to adjust the focal length from 24mm (wide-angle) to 70mm (telephoto).

### Focusing

- **Autofocus (AF):** Set your camera to AF mode. The lens will automatically focus on your subject.
- **Manual Focus (MF):** Set your camera to MF mode. Rotate the focus ring to achieve desired focus.

### Optical SteadyShot (Image Stabilization)

This lens features built-in Optical SteadyShot image stabilization. Activate it via the switch on the lens or through your camera's menu for sharper images, especially in low light or when shooting handheld.

### Aperture Control

The lens maintains a constant maximum aperture of f/4 across the entire zoom range. Adjust the aperture through your camera's settings to control depth of field and exposure.

### Video Usage

The lens's quiet linear motors and image stabilization are beneficial for video recording, minimizing operational noise and camera shake.

Video 6.1: Demonstration of the Sony 24-70mm f/4 OSS Zeiss Stabilized Full Frame Zoom Lens in use, highlighting its features for both photography and videography.

Video 6.2: Footage captured with the Sony FE 24-70mm f/4 ZA OSS Lens, showcasing its performance in various settings.

Video 6.3: A review discussing simple zoom lenses for video in Sony E-mount, featuring the Sony 24-70mm f/4 lens.

## 7. MAINTENANCE AND CARE

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- **Cleaning the Lens Surface:** Use a lens blower to remove dust, then gently wipe with a soft, clean lens cloth. Do not use organic solvents.
- **Cleaning the Lens Body:** Wipe with a soft, dry cloth.
- **Storage:** When not in use, attach both front and rear lens caps. Store in a dry, well-ventilated area, away from direct sunlight and chemicals.
- **Dust and Moisture Resistance:** While resistant, avoid exposing the lens to heavy rain or dust storms.

## 8. TROUBLESHOOTING

## Lens not attaching properly

- Ensure the index marks on the lens and camera body are aligned.
- Check for any obstructions on the lens mount or camera mount.

## Autofocus is slow or inaccurate

- Check camera's focus mode settings.
- Ensure there is sufficient light on the subject.
- Clean the lens contacts on both the lens and camera body.

## Image stabilization not working

- Verify the Optical SteadyShot switch on the lens is set to ON.
- Check camera menu settings for image stabilization.

## 9. SPECIFICATIONS

Feature	Description
Focal Length	24-70mm
Maximum Aperture	f/4
Minimum Aperture	F22
Angle of View (35mm)	84°-34°
Minimum Focus Distance	1.32 ft (0.4 m)
Maximum Magnification Ratio	0.20x
Aperture Blades	7 (circular)
Filter Thread Diameter	67mm
Lens Type	Standard Zoom
Compatible Mountings	Sony E
Dimensions	3.74 x 2.87 x 2.87 inches
Item Weight	15 ounces
Special Features	Carl Zeiss T* coating, ED glass, Aspherical elements, Optical SteadyShot

## 10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Sony website or contact your local Sony service center.

Keep your proof of purchase for warranty claims.

Online resources and FAQs may also be available on the Sony support portal.

This product is covered by Sony's standard warranty. Additional protection plans may be available for purchase.

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