

Sigma 259965

Sigma 105mm f/1.4-16 Standard Fixed Prime Camera Lens User Manual

Model: 259965 | **Brand:** Sigma

1. INTRODUCTION

The Sigma 105mm f/1.4-16 Standard Fixed Prime Camera Lens is engineered for outstanding wide-aperture, mid-telephoto performance. Featuring an impressive F1.4 brightness at maximum aperture, this lens incorporates 17 optical elements in 12 groups, a design choice that is uncommonly large for a prime lens. This sophisticated optical system, which includes three FLD glass elements, two SLD glass elements, and one aspherical lens element, is designed to minimize axial chromatic aberration, delivering extremely high resolution and ample peripheral light volume.



Figure 1: Front view of the Sigma 105mm f/1.4-16 lens.

2. WHAT'S IN THE BOX

Upon unboxing your Sigma 105mm f/1.4-16 lens, please ensure all the following components are present:

- Sigma 105mm f/1.4-16 Camera Lens
- Lens Hood
- Front Lens Cap
- Rear Lens Cap

- Tripod Collar
- Soft Carrying Case



Figure 2: Side view of the lens with its detachable tripod collar.

3. SETUP

3.1 Attaching the Lens to Your Camera

1. Ensure your camera is powered off.
2. Remove the rear lens cap from the Sigma lens and the body cap from your camera.
3. Align the mounting index (usually a white dot or line) on the lens with the corresponding index on your camera body.
4. Gently insert the lens into the camera's lens mount and rotate it clockwise (for Sony E-mount) until it clicks securely into place.

3.2 Attaching the Lens Hood

The included lens hood helps to block stray light from entering the lens, reducing flare and ghosting. It also provides physical protection for the front element.

- Align the lens hood with the front of the lens.

- Twist the hood clockwise until it locks securely. Ensure it is properly aligned to avoid vignetting.



Figure 3: The lens with its dedicated hood attached.

4. OPERATING THE LENS

4.1 Focus Mode Switch (AF/MF)

The lens features a switch on its barrel to select between Autofocus (AF) and Manual Focus (MF) modes.

- **AF (Autofocus):** For automatic focusing, allowing the camera to determine and set the focus.
- **MF (Manual Focus):** For precise manual control over focusing by rotating the focus ring on the lens.

4.2 Aperture and Optical Performance

The f/1.4 maximum aperture allows for excellent low-light performance and the creation of shallow depth-of-field effects with beautiful bokeh. The lens's advanced optical design, including FLD, SLD, and aspherical elements, contributes to its high resolution and minimal chromatic aberration, ensuring sharp and clear images even at wide apertures.



Figure 4: Close-up view of the front element of the lens.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your lens.

- **Cleaning:** Use a soft, lint-free microfiber cloth specifically designed for optical surfaces. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth (never directly to the lens).
- **Dust Removal:** Use a blower brush to remove dust particles from the lens surface before wiping. Avoid using compressed air, which can damage coatings.
- **Storage:** When not in use, store the lens with both front and rear caps attached in its soft carrying case or a dry, cool place away from direct sunlight and extreme temperatures.
- **Handling:** Due to its substantial weight (approximately 3.62 pounds), always handle the lens carefully, especially when attached to the camera body. Using the tripod collar is recommended for stability when mounted on a tripod.

6. TROUBLESHOOTING

Here are some common concerns and their potential solutions:

| Issue | Possible Cause / Solution |
|-------|---------------------------|
|-------|---------------------------|

| Issue | Possible Cause / Solution |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens feels very heavy on camera body. | This lens is designed with a robust build and large optical elements, contributing to its weight. This is normal. Consider using a tripod or monopod for extended shooting sessions to reduce strain. |
| Minor dust particles visible on lens elements. | Small dust particles are common and rarely affect image quality. Use a blower brush for removal. If persistent, consult a professional lens cleaning service. |
| Autofocus is slow or inconsistent. | Ensure the AF/MF switch is set to AF. Check camera settings for focus mode (e.g., single-shot, continuous). In very low light, autofocus may struggle; consider manual focus or adding more light. |

7. SPECIFICATIONS

| Feature | Detail |
|--------------------------|--------------------------|
| Product Dimensions | 4.9 x 12.9 x 12.2 inches |
| Item Weight | 3.62 pounds |
| ASIN | B07D9XD625 |
| Item Model Number | 259965 |
| Brand | Sigma |
| Focal Length Description | 105 mm f/1.4 |
| Lens Type | Standard Fixed Prime |
| Compatible Mountings | Sony E |
| Country Of Origin | Japan |

8. WARRANTY & SUPPORT

The Sigma 105mm f/1.4-16 lens typically comes with a manufacturer's limited warranty. For detailed warranty information, terms, and conditions, please refer to the official documentation provided with your product.

For further assistance, technical support, or to download the complete user manual in PDF format, please visit the official Sigma website or refer to the provided user manual link:

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Documents - Sigma – 259965

no relevant documents