

## NEEWER LS-59

# NEEWER HD 85MM Telephoto Phone Lens LS-59 Instruction Manual

Model: LS-59 | Brand: NEEWER

## 1. INTRODUCTION

The NEEWER HD 85MM Telephoto Phone Lens LS-59 is designed to enhance your mobile photography experience by providing 2.5X optical magnification. This lens is ideal for capturing detailed portraits, wildlife, sports, and landscapes with improved clarity and depth. It features a robust construction with high-definition optical glass for superior image quality.

## 2. SAFETY INFORMATION

- Avoid direct exposure of the lens to strong sunlight, as this may damage the phone's camera sensor.
- Keep the lens away from water and moisture to prevent internal damage.
- Handle the lens with care to avoid dropping or impacting it, which could affect optical alignment.
- Store the lens in its protective case when not in use to prevent scratches and dust accumulation.

## 3. PACKAGE CONTENTS

- 1 x 2.5X Telephoto Lens

- 1 x Cleaning Cloth
- 1 x Filter Case

## 4. SETUP INSTRUCTIONS

### 4.1 Attaching the Lens to Your Phone

This lens is designed for use with phone cases or cages that feature a 17mm threaded backplate. It is not compatible with M mount/T mount systems or clip-on adapters.

1. Ensure your phone is securely placed in a compatible 17mm threaded phone cage or case (not included).
2. Align the NEEWER HD 85MM Telephoto Phone Lens with the 17mm thread on your phone case/cage.
3. Gently twist the lens clockwise until it is securely fastened. Ensure there are no gaps that could affect focus or image quality.

### 2.5x Magnification

Perfect for wildlife, sports, landscapes, and especially portraits.



**Figure 1:** Attaching the 85mm Telephoto Lens to a 17mm Threaded Phone Case. The image illustrates the lens being screwed onto the main camera lens opening of a phone case.

### Robust Construction

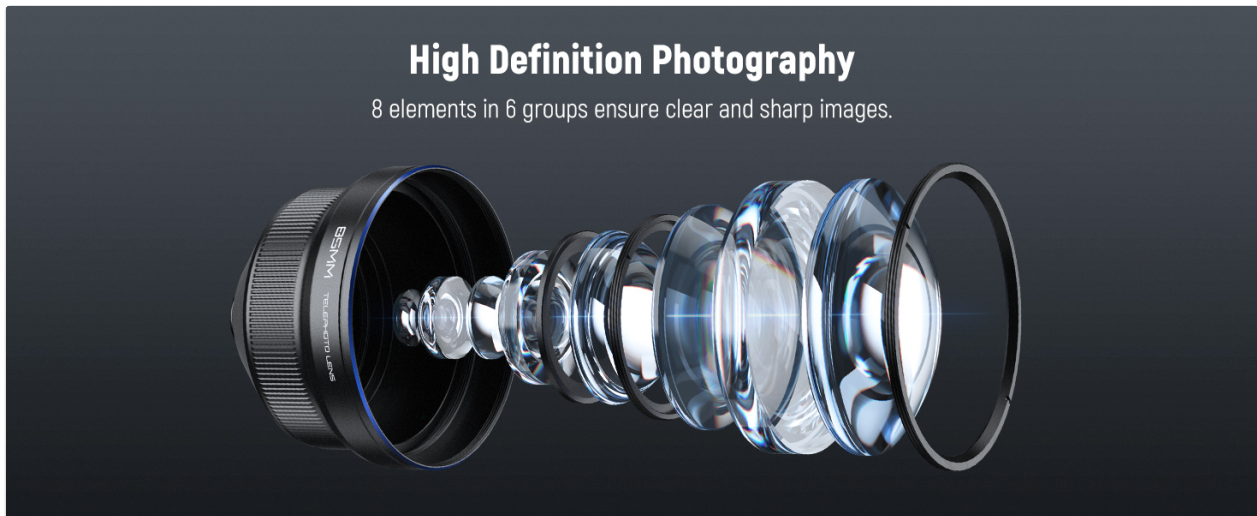
Black anodized aluminum alloy resists rust, scratches, and impacts.



**Figure 2:** Compatible 17mm Threaded Lens Mounts. This image displays different NEEWER phone cages (PA053, PA044, PA042, PA088) designed to accommodate 17mm threaded lenses.

## 4.2 Using Filters

The lens features a standard 72mm front interface, allowing you to attach various phone lens filters (e.g., ND, VND, CPL, UV, effect filters) for creative effects. Filters are not included with the lens.

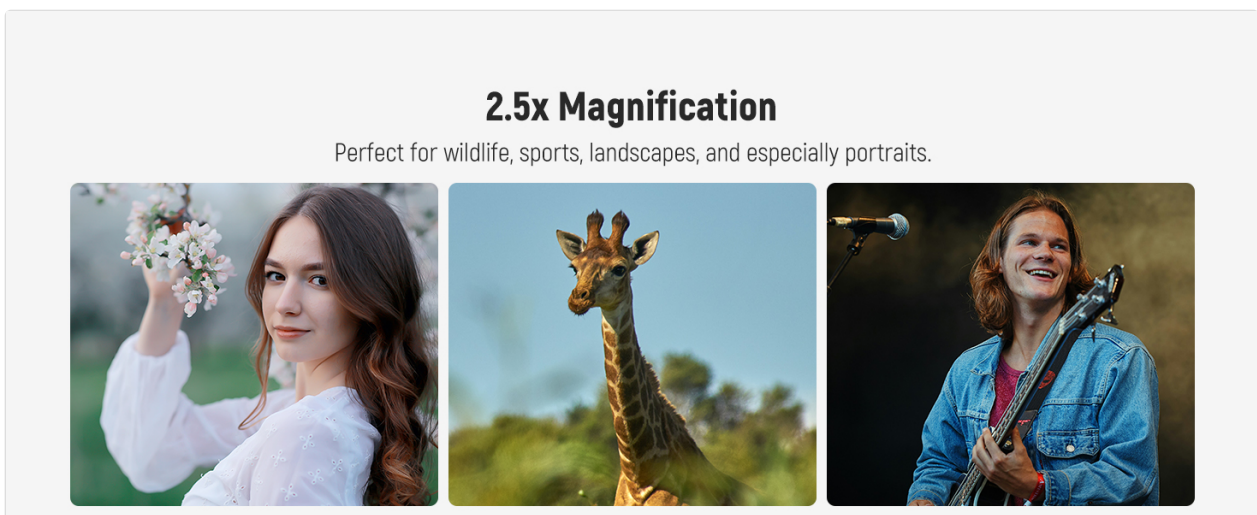


**Figure 3:** 72mm Front Filter Thread. The image highlights the 72mm thread on the front of the telephoto lens, indicating where filters can be attached.

## 5. OPERATING INSTRUCTIONS

### 5.1 General Usage Tips

- **Camera Selection:** Confirm that the lens is attached to the main camera of your phone.
- **Zoom Settings:** Ensure you are using the 1X zoom setting on your phone for taking photos. Turn off macro mode and avoid using other digital zoom levels, as they can affect image clarity. The best image quality is achieved at 1X optical zoom with the attached lens.
- **Focus Enhancement:** For Samsung Galaxy S24 Ultra and S23, please disable focus enhancement for optimal results.
- **Wide Angle:** For iPhone models, disable wide angle mode.



**Figure 4:** Phone Usage Guidelines. This image provides visual guidance on attaching the lens to the main camera and

selecting the 1x zoom setting for optimal performance.

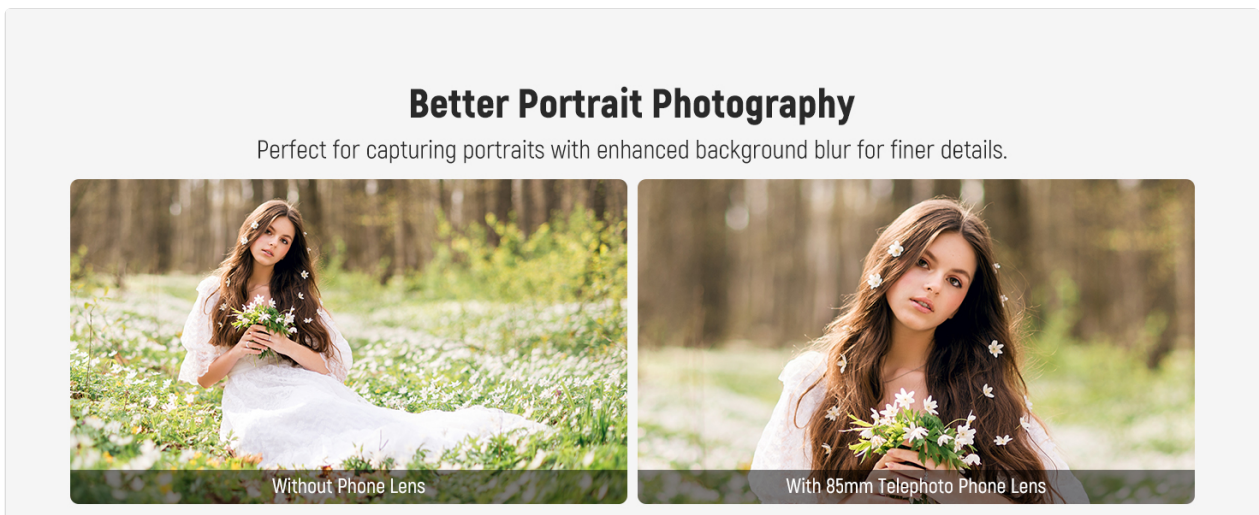
## 5.2 Capturing Images

The 2.5X magnification of the 85mm telephoto lens allows for detailed close-up shots, making it excellent for:

- **Portraits:** Achieve a natural background blur (bokeh) for professional-looking portraits.
- **Wildlife:** Capture distant subjects with greater detail.
- **Sports:** Bring the action closer without compromising image quality.
- **Landscapes:** Isolate specific elements within a scene for a unique perspective.



**Figure 5:** Enhanced Portrait Photography. A sample image demonstrating the telephoto lens's ability to create a pleasing background blur for portraits.



**Figure 6:** 2.5X Zoom Comparison. This image shows a side-by-side comparison of a bird, illustrating the 2.5X magnification provided by the telephoto lens.

## 72mm Front Filter Thread

Mount any  $\varnothing$ 72mm filter for creative effects.

[ Note: Only the 85mm telephoto lens is included. ]



**Figure 7:** Incredible Details. A collection of images showcasing the lens's capability to capture fine details in various subjects like wildlife, sports, and portraits.

### 5.3 Video Integration

The following videos demonstrate the use of NEEWER lenses and related accessories, providing visual guidance on setup and application.

**Video 1:** NEEWER HD 85MM Telephoto Phone Lens. This video demonstrates the direct application and results of the NEEWER HD 85MM Telephoto Phone Lens.

**Video 2:** NEEWER Universal Phone Clamp. This video illustrates the use of a universal phone clamp, which can be used to mount various lenses, including this telephoto lens, on different smartphone models.

**Video 3:** NEEWER HD Fisheye Phone Lens. While showcasing a fisheye lens, this video provides a general idea of how NEEWER phone lenses are attached and used with compatible phone setups.

**Video 4:** Lens Holder Suitable for All Lens. This video demonstrates a universal lens holder, which can be adapted for various phone lenses, including the 85mm telephoto lens, for stable mounting.

**Video 5:** FotoZ 18mm Wide Angle Lens. This video, while featuring a wide-angle lens, illustrates the general process of attaching and using external phone lenses for different photographic effects.

**Video 6:** 2X Telephoto Lens with Macro. This video demonstrates a 2X telephoto lens with macro capabilities, offering insights into how telephoto lenses can be used for both distant and close-up subjects.

## 6. MAINTENANCE

- **Cleaning:** Use the provided cleaning cloth to gently wipe the lens surfaces. For stubborn smudges, use a lens cleaning solution specifically designed for optical glass. Avoid using abrasive materials or harsh chemicals.
- **Storage:** Always store the lens in its protective filter case when not in use to prevent dust, scratches,

and accidental damage.

- **Environmental Conditions:** Avoid exposing the lens to extreme temperatures or high humidity, which can affect its performance and longevity.

## 7. TROUBLESHOOTING

- **Vignetting (Dark Corners):** Ensure the lens is correctly aligned with your phone's main camera. Check that the phone case/cage is properly installed and the lens is screwed on tightly. Some phone models or camera apps may exhibit minor vignetting; try adjusting the phone's zoom slightly to mitigate this.
- **Blurry Images:** Verify that the lens is clean and free from smudges. Ensure your phone's camera is set to 1X zoom and macro mode/focus enhancement is disabled (if applicable to your phone model). Check for proper lens alignment and secure attachment.
- **Lens Not Attaching Securely:** Confirm that your phone case or cage has a 17mm threaded mount. This lens is specifically designed for 17mm threads and will not fit other sizes.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	10104623
Focal Length	85 mm
Lens Type	Telephoto
Magnification	2.5X
Optical Design	8 elements in 6 groups
Front Filter Thread	M72 x 0.75 (72mm)
Mounting Point	17mm Threaded Backplates
Main Material	Aluminum, Optical Glass
Product Dimensions	3.35 x 0.67 x 0.67 inches
Item Weight	12.4 ounces (319g)



**Figure 8:** Product Specifications. A visual representation of the key technical specifications of the LS-59 telephoto lens.

## 9. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the official NEEWER website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.