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> NEEWER HD 65mm Telephoto Phone Camera Lens (LS-66) Instruction Manual

NEEWER LS-66

NEEWER HD 65mm Telephoto Phone Camera Lens

MODEL: LS-66

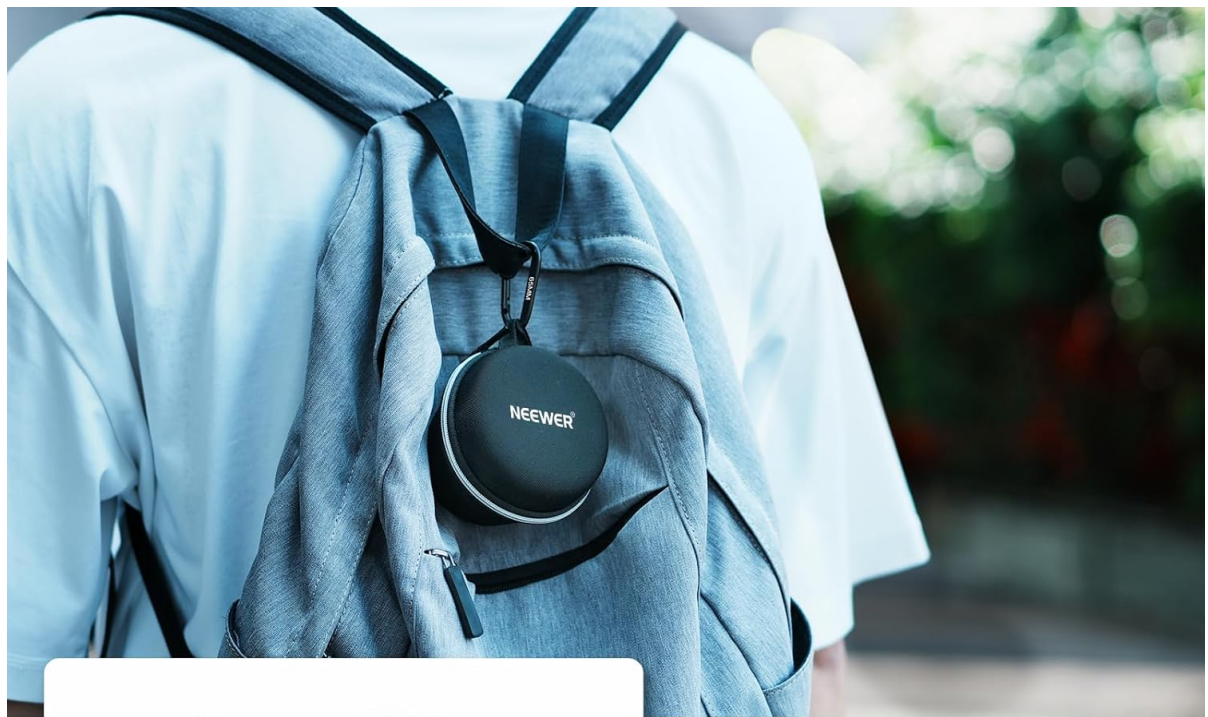
Introduction

This manual provides detailed instructions for the NEEWER HD 65mm Telephoto Phone Camera Lens (Model LS-66). This lens is designed to enhance your mobile photography by providing 1.7X magnification, ideal for capturing distant subjects with clarity. It is compatible with phone cages, cases, and backplates featuring a 17mm threaded lens mount.

Package Contents

Verify that all items listed below are included in your package:

- 1 x 65mm Telephoto Phone Lens
- 1 x Lens Hood
- 1 x Front Cap
- 1 x Rear Cap
- 1 x Cleaning Cloth
- 1 x Storage Case



Package Contents

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- 1 x Cleaning Cloth
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Figure 1: Package Contents

Setup

Attaching the Lens

The NEEWER HD 65mm Telephoto Lens is designed for use with phone cages, cases, and backplates that feature a 17mm threaded lens mount. Ensure your phone accessory has this specific thread size for proper attachment.

1. Align the 17mm thread of the telephoto lens with the corresponding thread on your phone's main camera lens backplate (part of your phone cage or case).
2. Gently screw the lens onto the backplate. Turn clockwise until it is securely fastened. Ensure there is no gap between the lens and the backplate to maintain optimal focus.

How to Use on Your Phone



Main Camera Lens

Make sure to attach this lens to the phone's main camera. Screw it tightly to avoid any gap that could affect focus.

1x Zoom, Macro Off

Only use 1x zoom setting on the phone's camera for optimal image clarity. Turn off the macro mode and avoid using other zoom levels.

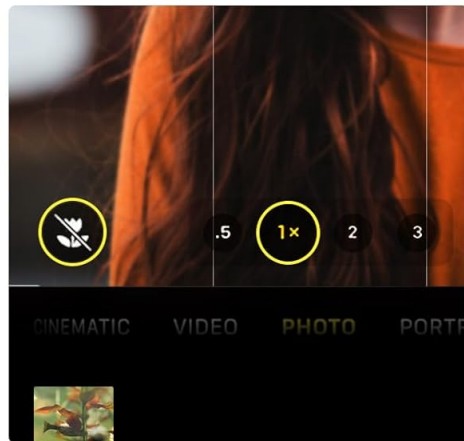


Figure 2: Attaching the Lens to the Main Camera

17mm Threaded Lens Mount

For phone cages and cases with 17mm threaded lens mounts.



17mm Thread

Fits various NEEWER phone cages and cases.

Note Lens backplates, phone cages, and cases are not included. Not suggested for use on lens clips.



PA053



PA044



PA042



PA088

Figure 3: Lens Mounted on a 17mm Threaded Phone Cage

Using the Lens Hood

The included lens hood helps reduce lens flare and provides physical protection for the front element of the lens.

1. Align the threads of the lens hood with the 58mm front thread of the telephoto lens.
2. Screw the lens hood clockwise until it is firmly attached.

Lens Hood

Reduces glare, enhances images, and protects the lens.



Figure 4: Lens Hood Installation and Effect

Video Demonstration: Phone Cage and Lens Attachment

Video 1: This video demonstrates the installation of a phone into a NEEWER phone cage and the subsequent attachment of a 17mm threaded lens, showcasing the compatibility and ease of use for mobile videography setups.

Operating Instructions

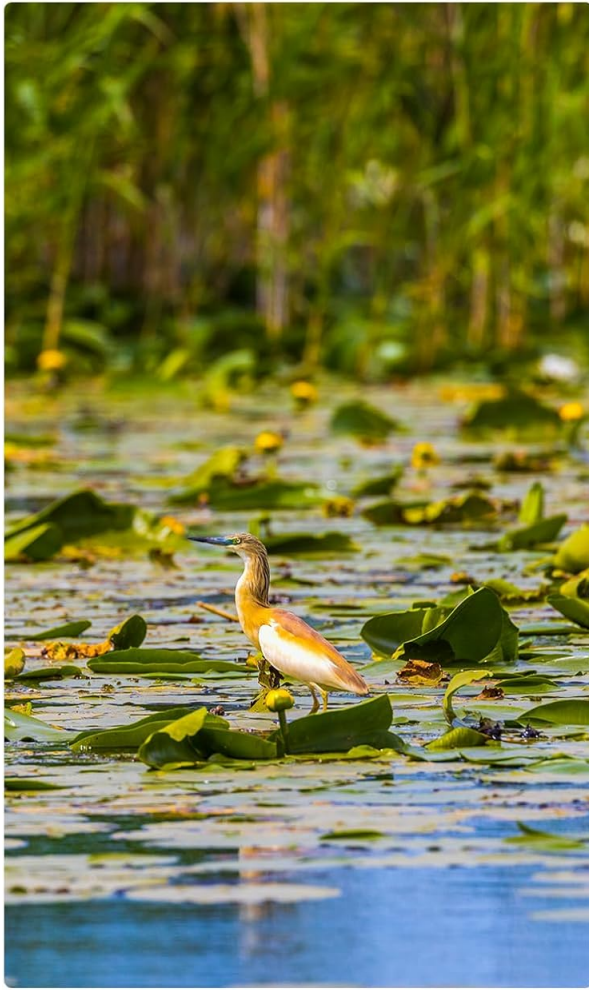
Using the Telephoto Lens

The 65mm telephoto lens provides 1.7x magnification, allowing you to capture subjects that are further away with enhanced detail.

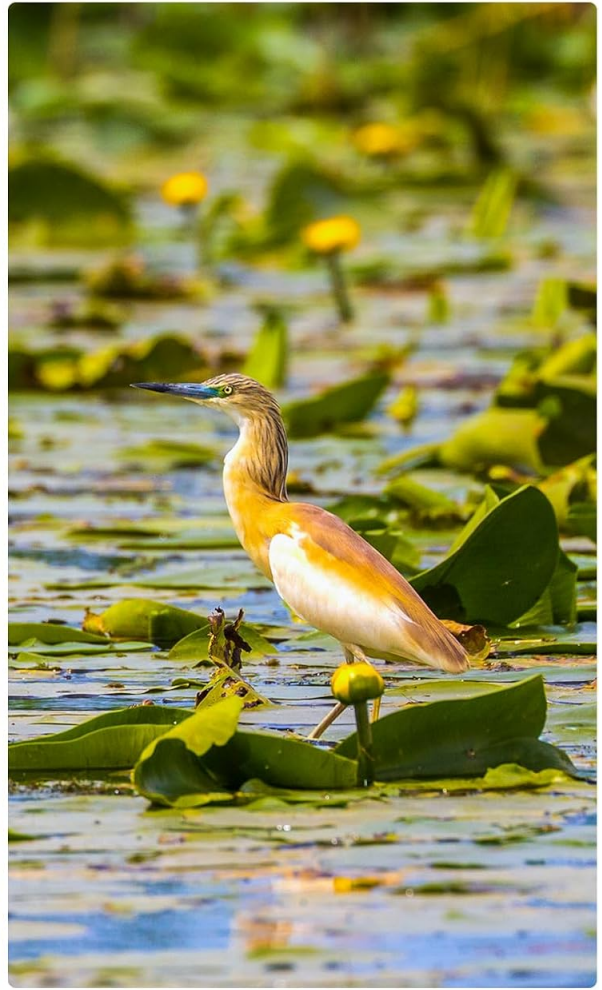
- Once the lens is securely attached, open your phone's camera application.
- For optimal image clarity and to avoid digital zoom artifacts, ensure your phone's camera is set to its **1x zoom setting**. Avoid using other digital zoom levels when the telephoto lens is attached.
- Disable any macro mode settings on your phone's camera, as this lens is designed for telephoto use.

1.7X Magnification

Capture clearer subjects



Without Lens



With 65mm Telephoto Lens

Figure 5: 1.7X Magnification Example

Incredible Details

Ideal for wildlife, sports events, concerts, city landscapes, and architecture.



Figure 6: Detailed Shots with the Telephoto Lens

Using Filters

The lens features a standard 58mm front thread, allowing you to attach various 58mm filters (sold separately) for creative effects.

1. If a lens hood is attached, remove it first.
2. Align the threads of your 58mm filter (e.g., ND, CPL, UV) with the front thread of the telephoto lens.
3. Screw the filter clockwise until it is securely attached.
4. **Note:** Avoid using excessively thick filters to prevent vignetting (darkening of image corners).

58mm Front Filter Thread

Mount any \varnothing 58mm filter for creative effects.

Note: Remove lens hood before attaching filters and avoid using thick filters to prevent vignetting. Filters are sold separately.



Figure 7: Attaching 58mm Filters

Maintenance

Proper maintenance ensures the longevity and performance of your lens.

- **Cleaning the Lens:** Use the provided cleaning cloth or a specialized lens cleaning solution and microfiber cloth to gently wipe the lens surfaces. Avoid using abrasive materials or harsh chemicals.
- **Storage:** When not in use, always attach the front and rear caps to protect the lens elements. Store the lens in its protective storage case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the lens or subjecting it to strong impacts, as this can damage the optical elements or casing.

Troubleshooting

If you encounter issues with your NEEWER HD 65mm Telephoto Lens, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Blurry images	Lens not securely attached; phone camera not set to 1x zoom; dirty lens; camera shake.	Ensure lens is tightly screwed on. Set phone camera to 1x zoom. Clean lens with a microfiber cloth. Use a tripod or stabilize your phone.
Dark corners (vignetting)	Using multiple or thick filters; lens not perfectly aligned.	Remove unnecessary filters. Ensure the lens is aligned correctly.
Lens flare or ghosting	Strong light source hitting the lens; lens hood not used.	Use the included lens hood. Adjust shooting angle to avoid direct light.

Specifications

Key technical specifications for the NEEWER HD 65mm Telephoto Phone Camera Lens (LS-66):

Feature	Detail
Model Number	LS-66
Focal Length	65mm
Magnification	1.7X
Lens Type	Telephoto
Optical Design	7 elements in 5 groups
Glass Material	HD Optical Glass
Lens Coating	Multi-layer coating
Front Filter Thread	58mm
Mounting Thread	17mm
Housing Material	Black Anodized Aluminum Alloy
Focus Type	Manual Focus
Real Angle Of View	18.2 Degrees
Water Resistance Level	Not Water Resistant

Brilliant Optical Performance

Multicoated HD optical glass
with 7 elements in 5 groups ensures sharp images.



Figure 8: Optical Construction

Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official NEEWER website. Keep your proof of purchase for any warranty claims.