

## ESSLNB 15-30X80

# ESSLNB 15-30X80 Zoom Astronomy Binoculars User Manual

Comprehensive guide for setup, operation, and maintenance.

## 1. PRODUCT OVERVIEW

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The ESSLNB 15-30X80 Zoom Astronomy Binoculars are designed for long-distance terrestrial and astronomical viewing. They feature a wide variable magnification range from 15X to 30X and large 80mm objective lenses for enhanced light gathering. The binoculars are equipped with BAK-4 fully multi-coated prisms and 21mm green film FMC eyepieces to ensure clear, high-contrast images with reduced color errors.



Image 1.1: ESSLNB 15-30X80 Zoom Astronomy Binoculars with included phone adapter and carrying case.

### Key Features:

- **Variable Magnification:** 15X to 30X zoom for versatile viewing.
- **Large Objective Lenses:** 80mm diameter for superior light collection, ideal for low-light conditions.
- **High-Quality Optics:** BAK-4 fully multi-coated prisms and FMC eyepieces for clear, high-contrast images.
- **Built-in Tripod Mount:** Integrated metal mount for stable, long-duration viewing.
- **Adjustable Phone Adapter:** Allows for capturing photos and videos through the binoculars.
- **Durable Construction:** Protective rubber covering for enhanced grip and weather resistance.

### Included Accessories:

- Binoculars
- Storage Bag

- Phone Adapter
- Straps
- Cleaning Cloth
- Instruction Manual

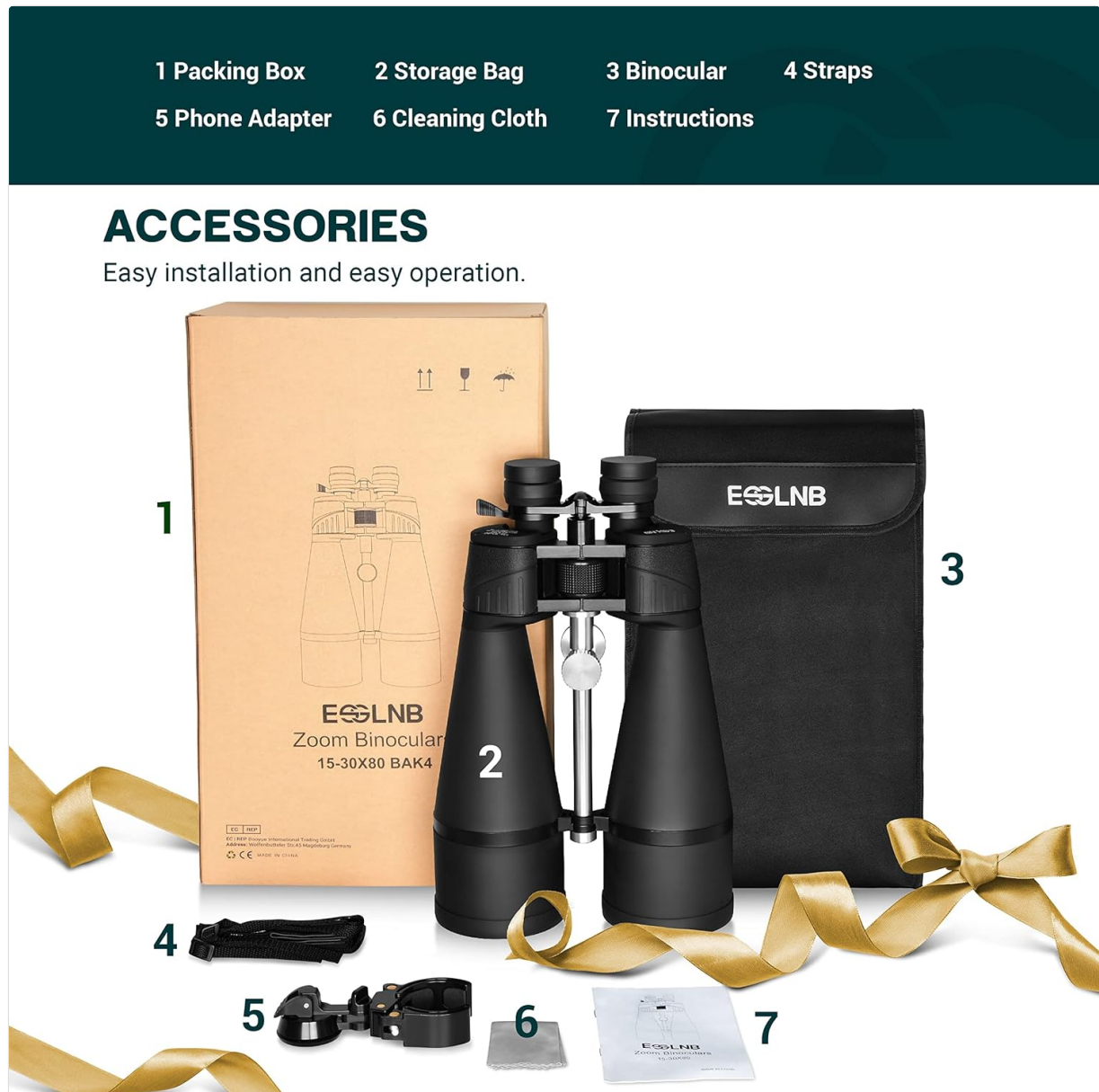


Image 1.2: All accessories included with your ESSLNB Binoculars.

## 2. SETUP

### 2.1 Adjusting Eyepieces and Diopter

Adjust the eyepieces to comfortably fit your eyes. The right diopter ring can be adjusted to compensate for differences in vision between your two eyes, ensuring a sharp image for both. Long eye relief makes these binoculars suitable for eyeglass wearers.



Image 2.1: Detail of the 21mm large eyepiece and the diopter adjustment ring.

## 2.2 Magnification Adjustment

Use the easy-to-reach control knob on the left side of the binoculars to change the magnification from 15X to 30X. Start at a lower magnification to locate your target, then zoom in for a more detailed view.



# 15-30X MAGNIFICATION

focus on more details for clear and vivid images at farther distance.



Image 2.2: Visual representation of magnification levels from 15X to 30X.

## 2.3 Tripod Mounting

The binoculars feature a metal built-in tripod mount, making them ideal for stable viewing, especially at higher magnifications or for extended periods. A tripod (not included) is highly recommended for optimal performance.

## BUILT-IN TRIPOD MOUNT

Easy to connect with tripod(not included) and perfect for viewing objects far away.



Image 2.3: Binoculars mounted on a tripod for stable viewing.

### 2.4 Phone Adapter Setup

The adjustable phone adapter allows you to connect your smartphone to the binoculars for capturing photos and videos. The adapter features a rubber sucker and can be adjusted 180 degrees for optimal alignment with your phone's camera lens.



# 18MM BAK4 PRISM

The reflective index of BAK4 is higher than that of K7/K9, which can effectively avoid dark edges and make the image clearer.



Image 2.4: The phone adapter and carrying case included with the binoculars.

Video 2.1: Demonstration of binocular outdoor operation and phone adapter use.

## 3. OPERATING

To operate the binoculars, first adjust the interpupillary distance by moving the barrels closer or further apart until you see a single, clear circular field of view. Then, adjust the diopter and central focus wheel to achieve a sharp image for both eyes. For long-range viewing, especially at 30X magnification, using a tripod is crucial to minimize image shake and maximize clarity.

Video 3.1: Overview of high power binocular features and usage.

### Applications:

- Bird Watching
- Hunting

- Stargazing (moon, star clusters)
- Sightseeing
- Sports Activities

## 4. MAINTENANCE

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The binoculars feature a protective rubber covering for ultra-firm grip and enhanced durability. They are designed to withstand unexpected tough weather conditions. Use the included cleaning cloth to gently wipe the lenses. Avoid using abrasive materials or harsh chemicals that could damage the optical coatings.

## 5. TROUBLESHOOTING

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- **Blurry Image:** Ensure the central focus wheel and diopter ring are correctly adjusted for your eyes. For high magnifications, use a tripod to eliminate shake.
- **Cannot Focus on Nearby Objects:** These binoculars are designed for long-distance viewing. There is a minimum focusing distance, typically around 50 feet or more.
- **Difficulty with Phone Adapter:** Ensure your phone's camera lens is perfectly aligned with the binocular eyepiece. Adjust the adapter's position and tightness as needed.
- **Image Shake at High Magnification:** This is common with high-power binoculars. Always use a sturdy tripod for stable viewing at 30X magnification.

## 6. SPECIFICATIONS

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| Feature                 | Specification                                 |
|-------------------------|---|
| Magnification           | 15-30X  |
| Objective Lens Diameter | 80 Millimeters                                |
| Prism Type              | BAK-4   |
| Lens Coating            | Fully Multi-Coated (FMC)                      |
| Eyepiece Diameter       | 21mm  |
| Product Dimensions      | 14.33 x 9.45 x 4.33 inches (36.4 x 24 x 11cm) |
| Item Weight             | 5.11 lbs (2.32kg)                             |
| Special Feature         | Focus Knob, Built-in Tripod Mount             |





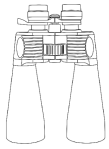
Image 6.1: Detailed product dimensions.

## 7. WARRANTY AND SUPPORT

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For warranty information or product support, please contact ESSLNB customer service directly. Refer to the contact information provided in the packaging or on the official ESSLNB website.

**Related Documents - 15-30X80**



**ESSLNB**  
Zoom binoculars  
13-39x70

### [ESSLNB 13-39x70 Zoom Binoculars User Guide](#)

A comprehensive guide on how to use and care for your ESSLNB 13-39x70 Zoom Binoculars, including instructions for IPD adjustment, focusing, lens care, and phone adapter installation.



700X70mm ASTRONOMICAL TELESCOPE



INSTRUCTION MANUAL

### [ESSLNB 700x70mm Astronomical Telescope Instruction Manual](#)

Comprehensive instruction manual for the ESSLNB 700x70mm Astronomical Telescope, covering assembly, usage, maintenance, and tips for optimal stargazing.



360 X70mm ASTRONOMICAL TELESCOPE



INSTRUCTION MANUAL

### [ESSLNB 360x70mm Astronomical Telescope Instruction Manual](#)

Comprehensive instruction manual for the ESSLNB 360x70mm astronomical telescope, covering assembly, usage, finderscope adjustment, specifications, and care.



700 X70mm ASTRONOMICAL TELESCOPE



INSTRUCTION MANUAL

### [ESSLNB 700x70mm Astronomical Telescope Instruction Manual](#)

Comprehensive instruction manual for the ESSLNB 700x70mm astronomical telescope, covering assembly, usage, magnification, and maintenance for optimal celestial viewing. Includes detailed steps and safety warnings.