

## TASCO ES10305Z

# Tasco ES10305Z Essentials 10-30x50mm Porro Prism Binoculars User Manual

## 1. INTRODUCTION

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This manual provides instructions for the proper use and maintenance of your Tasco ES10305Z Essentials 10-30x50mm Porro Prism Binoculars. These binoculars are designed for various outdoor activities, offering variable magnification and clear viewing.

## 2. WHAT'S IN THE BOX

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Carefully unpack your binoculars and check for the following items:

- 1x Tasco 10-30x50mm Variable Zoom Binoculars
- 1x Carrying Bag
- 2x Lens Covers (for eyepieces and objective lenses)
- 1x Cleaning Cloth
- 1x Neck Strap
- 1x User Manual

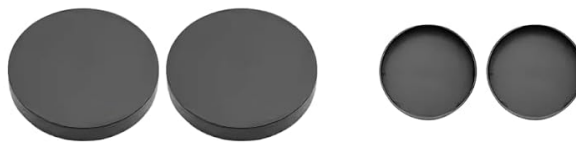
## Accesorios



**1X** Binoculares Tasco Zoom  
Variable 10-30x50 mm



**1X** Bolsa de Transporte



**2X** Cubiertas de Lentes (Oculares y Objetivos)



**1X** Paño de Limpieza



**1X** Correa para Cuello



**1X** Manual de Usuario

Image 2.1: Included Accessories. The image displays the Tasco 10-30x50mm binoculars alongside their carrying bag, lens covers for both eyepieces and objective lenses, a cleaning cloth, a neck strap, and the user manual.

### 3. PRODUCT FEATURES

- **Multi-Coated Optics:** Multiple layers of coatings on lens surfaces increase light transmission, color rendering, contrast, and image brightness.
- **Adjustable Diopter:** Allows for precise focus adjustment to compensate for differences in vision between your eyes.
- **Porro Prisms:** Delivers increased light transmission for brighter, clearer images.
- **Mounting Points:** Integrated points for attaching harnesses and neck straps.
- **Twist-Up Eyecups:** Designed for comfortable use with or without eyeglasses.
- **Variable Zoom:** Offers magnification from 10x to 30x.
- **Objective Lens Diameter:** 50mm for enhanced light gathering.
- **Rugged, Weather-Resistant Housing:** Coated with rubber armor for durability and a secure grip.
- **Tripod Adaptable:** Features a mounting point for use with a tripod for stable viewing.
- **Center Focus:** Manual focus system with individual eye focus adjustment.
- **Water Resistance Level:** Water Resistant.



Image 3.1: Binocular Components. This diagram illustrates key features including the diopter adjustment, adjustable eyepieces with foldable cups, the variable zoom lever (10x to 30x), the non-slip black rubber armor, the central focus knob, the tripod adaptable mount, and the 50mm diameter objective lenses.

## 4. SETUP

### 4.1 Attaching the Neck Strap

Thread the ends of the neck strap through the strap lugs on the sides of the binoculars. Secure the strap by feeding it back through the buckle, ensuring it is firmly attached.

### 4.2 Adjusting Eyecups

If you wear eyeglasses, twist the eyecups down to their lowest position. If you do not wear eyeglasses, twist the eyecups up to their highest position for optimal viewing comfort and field of view.

### 4.3 Adjusting Interpupillary Distance (IPD)

Hold the binoculars up to your eyes and look through them. Adjust the distance between the two barrels by moving them closer together or further apart until you see a single, clear circular field of view. This ensures the binoculars are aligned with your eyes.



Image 4.1: Interpupillary Distance Adjustment. The image illustrates the binoculars in both a 'closed bridge' (18 cm width) and 'open bridge' (19.2 cm width) configuration, demonstrating the range for adjusting the interpupillary distance to match the user's eye spacing.

#### 4.4 Diopter Adjustment

The diopter adjustment compensates for differences in vision between your left and right eyes. Follow these steps:

1. Close your right eye or cover the right objective lens.
2. Look through the binoculars with your left eye at a distant object.
3. Rotate the center focus wheel until the image is sharp and clear for your left eye.
4. Now, open your right eye and close your left eye, or cover the left objective lens.
5. Without touching the center focus wheel, rotate the diopter adjustment ring (usually on the right eyepiece) until the image is sharp and clear for your right eye.
6. Both eyes should now be in focus. From this point on, use only the center focus wheel for focusing on objects at different distances.

#### 4.5 Tripod Mounting

For extended viewing or at higher magnifications, a tripod is recommended for stability. Locate the threaded

socket on the front hinge of the binoculars. Remove the cap and attach the binoculars to a compatible tripod adapter (sold separately).

## 5. OPERATING INSTRUCTIONS

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### 5.1 Focusing

After performing the initial diopter adjustment (Section 4.4), use the central focus wheel to bring objects into sharp focus. Turn the wheel slowly until the image is clear.

### 5.2 Zooming

The Tasco ES10305Z binoculars feature variable zoom. To change the magnification, locate the zoom lever (typically near the right eyepiece). Move the lever to increase or decrease the magnification between 10x and 30x. You may need to slightly readjust the focus after changing the zoom level.

### 5.3 General Viewing Tips

- Hold the binoculars steady to minimize image shake, especially at higher magnifications.
- For best results, use in well-lit conditions.
- Avoid sudden movements when observing distant objects.

## 6. MAINTENANCE AND CARE

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### 6.1 Cleaning Lenses

When cleaning the lenses, use the provided cleaning cloth or a soft, lint-free cloth. For stubborn dirt or smudges, a small amount of lens cleaning fluid designed for optics can be applied to the cloth, not directly to the lens. Avoid using abrasive materials or excessive force, as this can scratch the lens coatings.

### 6.2 Cleaning Body

Wipe the body of the binoculars with a soft, damp cloth. Do not use harsh chemicals or solvents.

### 6.3 Storage

Store your binoculars in a cool, dry place when not in use. Use the provided carrying bag to protect them from dust, dirt, and impacts. Avoid storing them in direct sunlight or in areas with high humidity.

### 6.4 Water Resistance

These binoculars are water-resistant, meaning they can withstand light splashes or rain. They are not designed for submersion in water. Avoid exposing them to heavy rain or dropping them into water.

## 7. TROUBLESHOOTING

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- **Image is blurry:** Ensure both the center focus wheel and the diopter adjustment are correctly set for your eyes and the object's distance. Refer to Section 4.4 and 5.1.
- **Double image or eye strain:** Adjust the interpupillary distance (IPD) until a single, circular field of view is achieved. Refer to Section 4.3.
- **Difficulty focusing at high zoom:** Higher magnifications are more sensitive to movement. Use a tripod for increased stability.
- **Image appears dim:** Ensure objective lens covers are removed. Check for dirt or smudges on the lenses and clean them if necessary (Section 6.1).

## 8. SPECIFICATIONS

Feature	Specification
Brand	TASCO
Model Name	ES10305Z
Magnification	10-30x (Variable Zoom)
Objective Lens Diameter	50 mm
Prism Type	Porro Prism
Lens Coating	Multi-Coated
Eye Relief	14 mm
Exit-Pupil Diameter	2.5 mm
Field of View (at 1000m)	1000 Meters
Apparent Angle of View	6 Degrees
Focus Type	Center Focus with Individual Eye Focus Adjustment
Water Resistance Level	Water Resistant
Color	Black
Enclosure Material	Blend (Rubber Armor)
Item Weight	750 Grams
Mount Type	Tripod Mount

## 9. SAFETY INFORMATION

- **WARNING:** Never look directly at the sun or any other bright light source through your binoculars. Doing so can cause severe and permanent eye damage.
- Keep binoculars out of reach of small children to prevent accidental damage or misuse.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

## 10. WARRANTY AND SUPPORT

Your Tasco ES10305Z Essentials Binoculars are covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions.

For technical support, service, or additional information, please visit the official TASCO website or contact their customer service department. You can find more information at the [TASCO Store](#).

