TASCO ES10305Z

Tasco ES10305Z Essentials Binoculars User Manual

Model: ES10305Z | Brand: TASCO

Introduction

Thank you for choosing the Tasco ES10305Z Essentials Binoculars. These binoculars are designed to provide clear and bright images with their multi-coated lenses and Porro prism system. Featuring a versatile 10-30x zoom and a 50mm objective lens, they are suitable for a wide range of viewing activities. This manual provides detailed instructions for the proper setup, operation, maintenance, and troubleshooting of your binoculars to ensure optimal performance and longevity.



Figure 1: Tasco ES10305Z Essentials Binoculars, showcasing the main product view.

Package Contents

Upon opening your Tasco ES10305Z Essentials Binoculars package, please verify that all the following items are included:

- Tasco ES10305Z Binoculars
- Carrying Case
- Neck Strap
- Lens Caps (Objective and Eyepiece)
- Lens Cleaning Cloth
- Instruction Manual (this document)



Figure 2: Contents of the Tasco ES10305Z Binoculars package, including the binoculars, carrying case, neck strap, lens caps, and cleaning cloth.

Setup

1. Attaching the Neck Strap

1. Locate the strap lugs on each side of the binocular body.
2. Thread each end of the neck strap through the respective strap lug.
3. Secure the strap by threading it back through the buckle on itself, ensuring it is tightly fastened.

2. Adjusting Interpupillary Distance (IPD)

The interpupillary distance is the distance between the centers of your pupils. Correct IPD adjustment is crucial for a single, clear image.

- Hold the binoculars up to your eyes and look through them.

- Grasp each barrel firmly and move them closer together or further apart until you see a single, circular field of view.

3. Adjusting Eyecups

The Tasco ES10305Z features twist-up eyecups for comfortable viewing with or without eyeglasses.

- **For non-eyeglass wearers:** Twist the eyecups counter-clockwise until they are fully extended.
- **For eyeglass wearers:** Twist the eyecups clockwise until they are fully retracted. This allows your eyes to be closer to the eyepiece lenses, providing a full field of view.



Figure 3: Rear view of the binoculars, highlighting the adjustable eyecups.

Operating Instructions

1. Focusing

Your binoculars have a center focus wheel and a right diopter adjustment for precise focusing.

1. First, close your right eye and look through the left eyepiece with your left eye. Rotate the center focus wheel until the image is sharp and clear.
2. Next, close your left eye and look through the right eyepiece with your right eye. Rotate the right diopter adjustment ring (located on the right eyepiece) until the image is sharp and clear.
3. Now, with both eyes open, the image should be in focus. For subsequent viewing, you will only need to use the

center focus wheel to adjust for different distances.



Figure 4: Detailed view of the binoculars, illustrating the center focus wheel and the right diopter adjustment ring.

2. Using the Zoom Feature (10-30x)

The Tasco ES10305Z binoculars feature a variable zoom magnification from 10x to 30x.

- To adjust the magnification, locate the zoom lever on the right eyepiece.
- Move the lever to increase or decrease the magnification as desired.
- After changing the zoom, it may be necessary to slightly readjust the focus using the center focus wheel for optimal clarity.
- For higher magnifications (e.g., 30x), a stable support such as a tripod is recommended to minimize image shake and maintain clarity.

Maintenance and Care

1. Cleaning Lenses

Proper care of the lenses is essential for maintaining optical clarity.

- Use the included lens cleaning cloth or a soft, lint-free cloth specifically designed for optics.
- Gently wipe the lens surfaces to remove dust or smudges.
- For stubborn dirt or fingerprints, a small amount of lens cleaning fluid designed for optical lenses can be applied to the cloth, not directly to the lens.
- Avoid using abrasive cloths, paper towels, or household cleaners, as these can scratch or damage the lens coatings.

2. Storage

When not in use, store your binoculars in a cool, dry place.

- Always place the lens caps on the objective and eyepiece lenses to protect them from dust and scratches.
- Store the binoculars in their protective carrying case to prevent accidental damage.
- Avoid storing in areas with extreme temperature fluctuations or high humidity.

Troubleshooting

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Incorrect focus adjustment.	Adjust the center focus wheel and the right diopter ring as described in the "Focusing" section.
Seeing two overlapping images or a partial circle.	Interpupillary distance (IPD) is not correctly set.	Adjust the distance between the binocular barrels until a single, circular field of view is achieved.
Image shakes excessively at high magnification.	Handheld viewing at high zoom.	Use a tripod or other stable support for viewing at higher magnifications (e.g., 30x).
Dust or smudges on lenses.	Lenses are dirty.	Clean lenses gently with the provided cleaning cloth or a suitable optical cleaning solution. Refer to "Cleaning Lenses" section.

Specifications

Feature	Detail
Brand	TASCO
Model Name	ES10305Z
Magnification	10-30x (Variable Zoom)
Objective Lens Diameter	50 mm
Prism Type	Porro Prism
Optics Coating	Multi-Coated

Feature	Detail
Eyecups	Twist-up
Diopter Adjustment	Yes
Weight	750 Grams (approx. 1.65 lbs)
Dimensions (LxWxH)	10 x 9 x 4 inches (approx.)
Material	Blend (Rubber Armored Housing)

Warranty and Support

For information regarding warranty coverage and customer support, please refer to the warranty card included with your product or visit the official TASCO website. Keep your purchase receipt as proof of purchase for any warranty claims. For further assistance or technical inquiries, please contact TASCO customer service through their official channels.

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