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SVBONY SV202 8x42

SVBONY Upgraded SV202 8x42 ED Binocular Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the proper use and care of your SVBONY Upgraded SV202 8x42 ED Binocular. Designed for birdwatching, wildlife observation, and general outdoor viewing, these binoculars feature Extra-Low Dispersion (ED) glass, BAK4 prisms, and Fully Multi-Coated (FMC) optics for superior image clarity and brightness. Please read this manual thoroughly before using your binoculars to ensure optimal performance and longevity.



The SVBONY Upgraded SV202 8x42 ED Binocular, a high-performance optical instrument.

WHAT'S IN THE BOX

Upon opening your package, please ensure all the following items are present:

- 1x SV202 8x42 ED Glass Binoculars
- 1x Carrying Bag
- 1x Neck Strap
- 1x Lens Cleaning Cloth
- 2x Lens Covers (Objective and Eyepiece)
- 1x User Manual (this document)

Twist-up Eyecups

Suitable for glasses or no glasses



Image showing the SVBONY SV202 8x42 ED Binocular along with its included accessories: carrying bag, neck strap, lens cleaning cloth, and lens covers.

PRODUCT FEATURES

- **ED Optics:** Utilizes Extra-Low Dispersion (ED) glass to minimize chromatic aberration, resulting in sharp, clear, and color-accurate images.
- **Wide Field of View:** An 8.12° field of view (for 8x42mm model) allows for easy tracking of moving subjects and provides an immersive viewing experience.
- **Rugged and Durable:** Features an IPX7 waterproof rating and a non-slip rubber armor for impact resistance and reliable performance in various outdoor conditions.
- **Ergonomic Design:** Lightweight construction with adjustable, rotating eyecups ensures comfortable viewing for all users, including those who wear glasses.
- **Superior Low-Light Performance:** Multi-layer coating and phase correction technology enhance brightness and detail in dim lighting conditions.
- **Professional-Grade Detail:** Internal light-masking design reduces stray light, ensuring true color reproduction and revealing fine details.
- **Practical Design:** Includes attached lens caps to prevent loss and an integrated tripod mount for stable, extended observations. Smooth focusing mechanism for ease of use.

PRODUCT DETAILS

Familiarize yourself with the key components of your SVBONY SV202 8x42 ED Binocular:

Product Details



Anatomy of the SVBONY SV202 8x42 ED Binocular, highlighting the diopter ring, central focusing wheel, adjustable ridge, lanyard attachment point, twist-up eyecups, and threaded interface.

- **Central Focusing Wheel:** Used to adjust the focus for both barrels simultaneously.
- **Diopter Ring:** Located on the right eyepiece, this ring allows for individual focus adjustment to compensate for differences in vision between your eyes.
- **Twist-up Eyecups:** These adjustable eyecups can be twisted up or down to provide comfortable viewing with or without eyeglasses.
- **Lanyard Attachment Points:** Located on the sides of the binocular body for attaching the included neck strap.
- **Threaded Interface:** A standard thread located under a cap on the front hinge, used for attaching a tripod adapter.

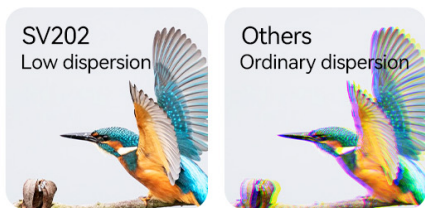
Optical System

The SV202 binoculars incorporate advanced optical technologies:

- **ED Glass Lenses:** Extra-Low Dispersion glass significantly reduces chromatic aberration, which appears as color fringing around objects, ensuring a sharper and more natural image.

Extra-Low Dispersion Optical Glass

Effectively reduce chromatic aberration and color distortion, provide higher optical clarity.



Comparison illustrating how ED glass lenses reduce color dispersion compared to ordinary lenses, resulting in clearer edges.

- **FMC Coating:** Fully Multi-Coated lenses enhance light transmission to over 90%, improving brightness, contrast, and color accuracy while reducing glare and ghosting.

FMC Coating

Light Transmission > 90%
Enhances light transmission, contrast, and color accuracy, reducing glare and ghosting

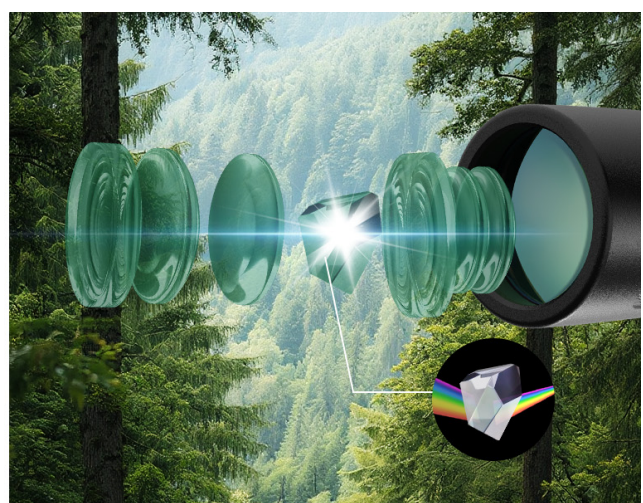


Diagram showing light passing through FMC-coated lenses, indicating over 90% light transmission for enhanced clarity.

- **BaK-4 Prism:** High-quality BaK-4 prisms ensure superior light reflection and provide bright, clear, and sharp images with excellent color fidelity.

Advanced BaK-4 Prism

Restore 99% of vivid colors and shape



Comparison showing the vivid colors and sharp image restoration provided by BaK-4 prisms versus ordinary prisms.

Waterproof Design

The binoculars are designed to withstand challenging weather conditions.

- **IPX7 Waterproof:** Rated IPX7, these binoculars are waterproof up to 1 meter (3 feet) for 30 minutes, making them suitable for use in rain or humid environments.



Image depicting the IPX7 waterproof capability of the binoculars, showing them submerged in water.

SETUP

1. Attaching the Neck Strap

1. Thread the ends of the neck strap through the strap lugs on each side of the binocular body.
2. Secure the strap by threading it back through the buckle, ensuring it is firmly attached.



Image showing the lanyard attachment points on the binoculars and how to secure the neck strap for carrying.

2. Adjusting Interpupillary Distance (IPD)

The interpupillary distance is the distance between the centers of your pupils. To adjust:

1. Hold the binoculars up to your eyes.
2. Move the two halves of the binoculars closer together or further apart until you see a single, clear circular field of view.

3. Adjusting Eyecups

The twist-up eyecups allow 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.

Twist-up Eyecups

Suitable for glasses or no glasses



Illustrations demonstrating the correct eyecup positions for users with and without glasses.

OPERATING INSTRUCTIONS

1. Focusing Your Binoculars

To achieve a sharp image, follow these steps:

1. Close your right eye and look through the left barrel with your left eye. Rotate the central focusing wheel until the image is sharp.
2. Close your left eye and look through the right barrel with your right eye. Rotate the diopter ring (on the right eyepiece) until the image is sharp.
3. Now, with both eyes open, the binoculars are adjusted for your vision. Use only the central focusing wheel for subsequent focusing on different distances.

2. General Viewing Tips

- For extended viewing, consider using a tripod with a suitable adapter (sold separately) to reduce hand shake and fatigue.
- Always use the lens caps when not in use to protect the lenses from dust and scratches.

Video demonstrating various usage scenarios for the SVBONY Upgraded SV202 binoculars, including birdwatching and wildlife observation.

MAINTENANCE

1. Cleaning the Lenses

To clean the lenses, follow these steps:

1. Gently brush away any dust or debris using a soft lens brush or compressed air.
2. Apply a small amount of lens cleaning fluid to a clean microfiber lens cloth.
3. Wipe the lens surface in a circular motion, starting from the center and moving outwards.
4. Avoid using abrasive cloths, paper towels, or harsh chemicals, as these can damage the lens coatings.

2. Storage

When not in use, store your binoculars in the provided carrying bag in a cool, dry place. Avoid exposing them to extreme temperatures or direct sunlight for prolonged periods.

3. Waterproof Care

While the binoculars are IPX7 waterproof, it is recommended to wipe them dry with a soft cloth after exposure to water to prevent water spots and maintain their appearance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Improper focusing or diopter adjustment.	Re-adjust the central focusing wheel and diopter ring as described in the 'Operating Instructions' section.
Double image or two overlapping circles.	Incorrect interpupillary distance (IPD).	Adjust the two halves of the binoculars until a single, circular field of view is achieved.
Dark edges or vignetting in the view.	Eyecups not correctly adjusted for eyeglass use, or eyes not properly aligned with eyepieces.	Adjust the twist-up eyecups and ensure your eyes are centered on the eyepieces.
Image appears dim or lacks contrast.	Dirty lenses or poor lighting conditions.	Clean the lenses according to the 'Maintenance' section. Use in adequate lighting.

SPECIFICATIONS

Feature	Specification
Magnification	8x
Objective Lens Diameter	42 mm
Special Feature	Focus Knob, ED lens
Brand	SVBONY
Item Model Number	Fw9310D
Product Dimensions	3.15 x 7.68 x 0.1 inches
Item Weight	1.53 pounds
Waterproof Rating	IPX7

Video comparing parameters of SVBONY upgraded SV202 binoculars, highlighting key specifications.

Video detailing the dimensions and various features of the SVBONY upgraded SV202 binoculars.

WARRANTY AND SUPPORT

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

An introductory video providing an overview of the SVBONY Upgraded SV202 Binoculars.