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> SVBONY SV131 32mm 1.25 Inch Plossl Telescope Eyepiece Instruction Manual

SVBONY FW9101A

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Model: FW9101A

INTRODUCTION

The SVBONY SV131 32mm 1.25 Inch Plossl Eyepiece is designed for astronomical observations, offering a wide field of view and comfortable viewing experience. This manual provides essential information for the proper use and care of your eyepiece.



Image: The SVBONY SV131 32mm Plossl Eyepiece, a standard 1.25-inch telescope accessory.

PRODUCT FEATURES

- **Optical Design:** Features a standard Plossl eyepiece structure with 2 sets of 4-piece optical elements, optimized for observing nebulae, star clusters, comets, and other low-light celestial bodies.
- **Broadband Multilayer Coating:** Equipped with FMC (Fully Multi-Coated) full broadband multilayer coatings on all glass surfaces to enhance light transmission, reduce reflections, and improve image brightness and clarity.
- **Stray Light Reduction:** The edge of the lens and the inner wall of the barrel are matt blackened to minimize stray light interference, ensuring high contrast views.
- **Standard Threading:** Includes M28.5*0.6 standard thread size, allowing for the attachment of standard 1.25-inch astronomical filters.
- **Comfortable Eye Relief:** Offers a 19mm exit distance, providing comfortable observation, especially during extended viewing sessions.
- **Durable Construction:** Features an all-metal mirror structure with fine texture and workmanship, complemented by a humanized environmental protection rubber anti-slip ring.



Image: Diagram illustrating the benefits of FMC coating for improved image quality compared to ordinary coatings.



Image: Illustration of the blackened lens edges and barrel interior designed to reduce stray light and enhance contrast.

SETUP

1. **Unpacking:** Carefully remove the eyepiece from its packaging. Retain all packaging for future storage or transport.

2. **Inserting into Telescope:** Loosen the thumbscrew on your telescope's focuser or diagonal. Insert the chrome barrel of the SV131 eyepiece into the focuser or diagonal. Ensure it is fully seated.
3. **Securing the Eyepiece:** Tighten the thumbscrew on the focuser or diagonal to secure the eyepiece in place. Do not overtighten.
4. **Attaching Filters (Optional):** If using a 1.25-inch astronomical filter, gently thread it onto the M28.5*0.6 threads located at the bottom of the eyepiece's chrome barrel.



Image: The SVBONY SV131 Eyepiece with a 1.25-inch filter threaded onto its barrel.



Image: A close-up view highlighting the standard 1.25-inch barrel and the M28.5*0.6 filter thread.

OPERATING

1. **Viewing:** Place your eye close to the rubber eyecup of the eyepiece. The 19mm eye relief allows for comfortable viewing without needing to press your eye directly against the lens.
2. **Focusing:** Use your telescope's focuser knob to bring the celestial object into sharp focus. Adjust slowly for optimal clarity.
3. **Observing:** The 32mm focal length and 48-degree apparent field of view are ideal for wide-field observations of extended objects like nebulae, large star clusters, and the moon.



Image: A visual representation of the 19mm eye relief, indicating the comfortable distance between the eye and the eyepiece lens.

MAINTENANCE

- **Cleaning Lenses:** Use a soft, lint-free cloth specifically designed for optical surfaces. For stubborn smudges, use a small amount of optical cleaning fluid applied to the cloth, not directly to the lens. Avoid touching the lens surfaces with bare fingers.
- **Cleaning Body:** Wipe the metal and rubber parts with a clean, damp cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the eyepiece in a dry, dust-free environment, preferably in its original case or a dedicated eyepiece container. Keep lens caps on when not in use to protect the optical surfaces.
- **Avoid Extreme Temperatures:** Do not expose the eyepiece to extreme heat or cold, as this can affect its performance and longevity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Focuser not adjusted correctly.	Adjust the telescope's focuser slowly until the image is sharp.
Dark spots or dust visible in the field of view.	Dust on the eyepiece lenses or telescope optics.	Gently clean the eyepiece lenses as described in the Maintenance section. If spots persist, check the telescope's primary and secondary mirrors/lenses.
Eyepiece feels loose in the focuser.	Thumbscrew not tightened sufficiently.	Ensure the focuser's thumbscrew is tightened to secure the eyepiece. Do not overtighten.
Poor image contrast.	Stray light, light pollution, or dirty optics.	Observe from a dark location. Ensure all optical surfaces are clean. Consider using appropriate filters if observing near light pollution.

SPECIFICATIONS

Specification	Value
Brand	SVBONY
Model Name	FW9101A
Eyepiece Lens Description	Plossl
Focal Length	32 Millimeters
Telescope Mount Description	1.25 inches mount

Specification	Value
Product Dimensions (D x W x H)	3.7"D x 2"W x 2"H
Item Weight	4.11 Ounces
Eye Relief	19mm
Field Of View	48 Degrees
Coating	FMC (Fully Multi-Coated)
Compatible Devices	Telescope and Barlow lens

WARRANTY AND SUPPORT

Warranty Information

SVBONY provides a 1-year warranty for this telescope accessory. Additionally, a 30-day no-reason return policy is offered. For service beyond the warranty period, maintenance services are available, with buyers responsible for associated costs.

Customer Support

For any inquiries or support needs, please contact SVBONY Direct through the Amazon platform. Responses are typically provided within 12 hours.

Seller: [SVBONY Direct](#)