Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

SVBONY SV225T

SVBONY SV225T Astronomical Telescope Tripod Instruction Manual

1. Introduction

This manual provides detailed instructions for the assembly, operation, and maintenance of your SVBONY SV225T Astronomical Telescope Tripod. Please read this manual thoroughly before using the product to ensure proper and safe operation. The SV225T tripod is designed to provide stable support for astronomical observations, particularly when paired with compatible alt-azimuth mounts like the SV225 series.



Image 1: The SVBONY SV225T Astronomical Telescope Tripod.

2. Product Overview and Features

The SVBONY SV225T tripod is constructed from high-quality aluminum alloy, ensuring both stability and durability for various equipment setups. Its design focuses on ease of use and portability, making it suitable for astronomical observations.

- **Stable and Reliable:** Manufactured from high-quality aluminum alloy, the tripod structure offers robust and durable support for a range of equipment.
- **Multi-functional Design:** Features a flexible design compatible with SV225 series mounts. Its two-stage telescopic legs allow for easy height adjustment and compact storage. Unique rubberized feet with stone-protruding design enhance stability on diverse terrains.
- **Quick Setup and Easy Operation:** Designed for rapid assembly within minutes, requiring no complex tools. The top platform is precisely leveled to ensure stable equipment placement, ideal for astronomical observations.
- **Smooth Retraction:** Equipped with a two-stage retractable system for instant height adjustment. It folds into a compact size for convenient storage and transport.



Image 2: The SV225T tripod demonstrating its 12KG maximum load capacity.



Image 3: Detail of the tripod's sturdy aluminum construction with a 32mm maximum tube diameter.

3. Package Contents

Verify that all components are present in your package:

- 1x SV225T Aluminum Tripod
- 1x Fixed Plate
- 1x Screw for Fixed Plate



Image 4: Contents of the SVBONY SV225T Tripod package.

4. Setup Instructions

Follow these steps to set up your SVBONY SV225T tripod and mount a compatible alt-azimuth head.

1. **Extend Tripod Legs:** Gently spread the tripod legs to a stable position.
2. **Attach Tripod Tray:** Fix the tripod tray to the tripod legs. This tray provides additional stability and a convenient storage area for accessories.



Image 5: Fixing the tripod tray to the legs.

3. **Secure the Tray:** Secure the tray to the tripod using the provided screw.



Image 6: Securing the tripod tray with a screw.

4. **Mount the SV225 Alt-Azimuth Head:** Install the SV225 alt-azimuth mount onto the tripod's top platform. Ensure it is securely fastened using the 3/8" top mount screw.



Image 7: Assembling the SV225T tripod with the SV225 mount.

5. **Attach Slow-Motion Control Cables:** Connect the altitude and azimuth slow-motion flexible control cables to their respective ports on the SV225 mount. These cables allow for fine adjustments during observation.
6. **Mount Telescope:** Secure your telescope onto the SV225 mount's dovetail clamp. Ensure the telescope is balanced and all locking screws are tightened.

For a visual guide on mounting the SV225 Mini Alt-Azimuth Mount, please refer to the video below:

▶ **Watch video online**
How to use the SVBONY SV225 Mini Alt-Azimuth Mount?

Video 1: Instructions on how to use the SVBONY SV225 Mini Alt-Azimuth Mount.

Another helpful video demonstrating the SV225 alt-azimuth mount with a V-style dovetail:

▶ **Watch video online**
SV225 alt-azimuth mount with v-style dovetail by JPASTROGUY

Video 2: Demonstration of the SV225 alt-azimuth mount with V-style dovetail.

For an overview of the SVBONY SV225 Alt-Azimuth Mount and its features, watch this product introduction:

▶ **Watch video online**
SVBONY SV225 Alt-Azimuth Mount Product Introduction

Video 3: SVBONY SV225 Alt-Azimuth Mount Product Introduction.

5. Operating Instructions

Once your telescope is securely mounted on the SV225T tripod with a compatible mount, you can begin your observations.

- **Adjusting Height:** Loosen the elevation locking knobs on the tripod legs to extend or retract them. Tighten

the knobs firmly once the desired height is achieved. The two-stage retractable system allows for quick adjustments.

- **Fine Adjustments (Altitude and Azimuth):** Use the slow-motion control cables attached to your alt-azimuth mount (e.g., SV225) to make precise movements in both horizontal (azimuth) and vertical (altitude) directions. This is crucial for tracking celestial objects.
- **Balancing:** Ensure your telescope is properly balanced on the mount to prevent strain on the gears and allow for smoother movements. Adjust the telescope's position within the dovetail clamp as needed.

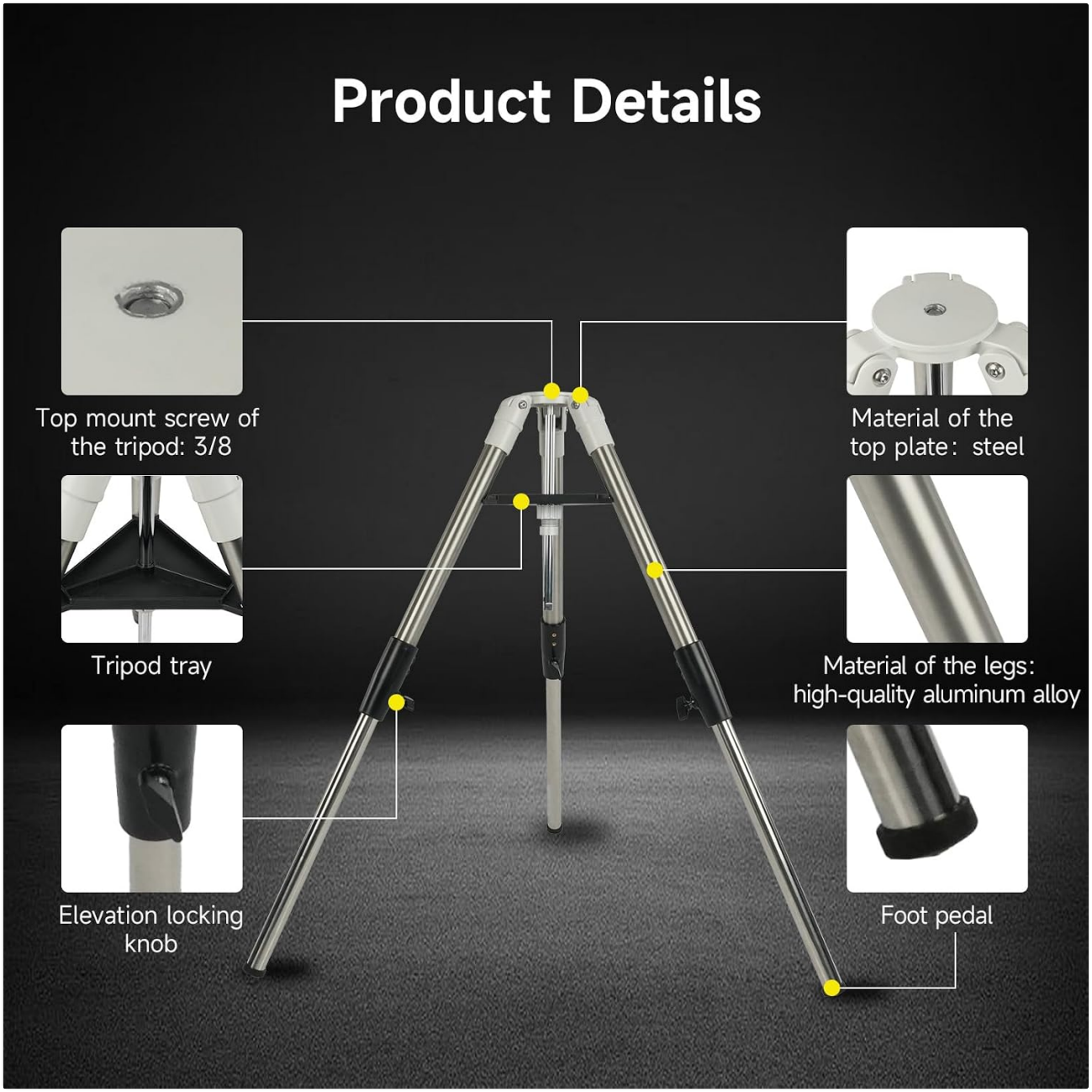

Image 8: Product details highlighting the elevation locking knob and foot pedal for stability.

6. Maintenance

Proper maintenance will extend the lifespan and performance of your SVBONY SV225T tripod.

- **Cleaning:** Wipe down the aluminum surfaces with a soft, dry cloth after each use to remove dust and moisture. Avoid abrasive cleaners or solvents.
- **Storage:** Store the tripod in a dry, clean environment, preferably in its original packaging or a protective bag, to prevent dust accumulation and potential damage.

- **Inspection:** Periodically check all screws, knobs, and leg locks to ensure they are secure. Tighten any loose components.
- **Lubrication:** The tripod's moving parts are designed for smooth operation and generally do not require lubrication. If you notice any stiffness, consult SVBONY support before applying any lubricants.

7. Troubleshooting

If you encounter any issues with your SVBONY SV225T tripod, refer to the following common solutions:

- **Tripod Instability:**
  - Ensure all three legs are fully extended and locked.
  - Verify that the tripod tray is securely fastened.
  - Check that the ground surface is level and firm. Adjust leg lengths if necessary to compensate for uneven terrain.
- **Difficulty Adjusting Height:**
  - Ensure the elevation locking knobs are fully loosened before attempting to adjust leg length.
  - Clean any dirt or debris from the telescopic leg sections.
- **Mount Movement is Not Smooth:**
  - If using an SV225 mount, ensure the slow-motion control cables are properly attached and not bent or obstructed.
  - Verify that the telescope is balanced on the mount.

If problems persist, please contact SVBONY customer support for further assistance.

8. Specifications

Specification	Value
Brand	SVBONY
Model Number	FCAW9181C
Material	Aluminum
Finish Type	Metallic with Textured Parts
Item Weight	5.06 pounds (2.3 Kilograms)
Product Dimensions (L x W x H)	2.17 x 0.91 x 0.91 inches
Assembly Required	Yes
Special Feature	Aluminum Tripod
Load Capacity	12 KG
Number of Sections	2

Specification	Value
Folded Length	500 mm
Maximum Tube Diameter	32 mm
Chassis Diameter	83 mm
Top Mount Screw of the Tripod	3/8"

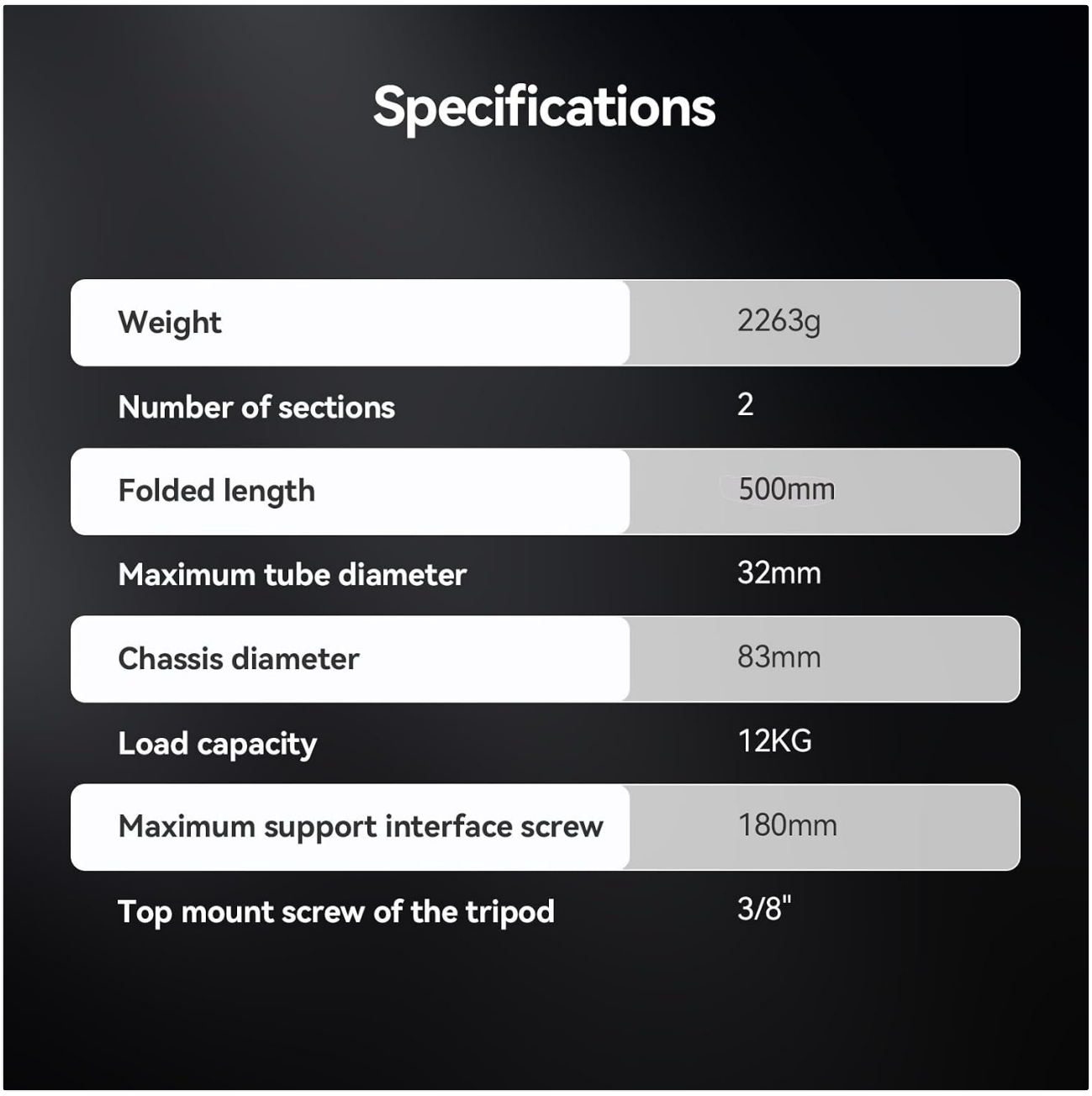

Image 9: Detailed specifications of the SVBONY SV225T Tripod.

9. Warranty and Support

SVBONY Warranty Policy: We provide a 1-year warranty for SVBONY telescope accessories and a 30-day no-reason return policy. Beyond the warranty period, we still offer maintenance service, with buyers responsible for corresponding costs. We aim to process all requests in the most hassle-free way possible. For support, please contact us on Amazon, and we will reply within 12 hours.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0DTJXXQ2T

More documents and user manuals: **https://manuals.plus/**