SVBONY 34299103A-W2054A

SVBONY T2 T-Ring and 1.25-inch T-Adapter Instruction Manual

Model: 34299103A-W2054A

1. Introduction

This manual provides instructions for the proper assembly and use of the SVBONY T2 T-Ring and 1.25-inch T-Adapter. This accessory combination is designed to connect Canon EOS DSLR cameras to telescopes for prime-focus astrophotography.
The T-Ring attaches to your Canon EOS camera body, and the 1.25-inch T-Adapter then threads into the T-Ring, allowing the entire assembly to be inserted into a telescope's 1.25-inch focuser.

2. Safety Information

Warning:

- Never look directly at the sun through a telescope or camera without proper solar filters. Doing so can cause severe and permanent eye damage.
- Ensure all connections are secure to prevent accidental drops of your camera or telescope components.

3. Product Components

The SVBONY T2 T-Ring and 1.25-inch T-Adapter set includes the following parts:

- **SVBONY T2 T-Ring for Canon EOS:** This component attaches directly to your Canon EOS DSLR camera body.
- **SVBONY 1.25-inch T-Adapter:** This component threads into the T-Ring and has a 1.25-inch barrel for insertion into a telescope focuser.



Image 3.1: The SVBONY T2 T-Ring and 1.25-inch T-Adapter, showing both components.

4. Setup and Assembly

Follow these steps to assemble and attach the adapter to your camera and telescope:

4.1 Assembling the T-Ring and T-Adapter

1. Locate the T2 T-Ring and the 1.25-inch T-Adapter.
2. Thread the 1.25-inch T-Adapter into the T2 T-Ring. Ensure the threads are aligned correctly to avoid cross-threading. Tighten until snug, but do not overtighten.



Image 4.1: Exploded view showing the T-Adapter, T-Ring, and a Canon EOS camera body.

4.2 Attaching to a Canon EOS DSLR Camera

3. Remove the lens from your Canon EOS DSLR camera.
4. Align the red dot on the T2 T-Ring with the red dot on your camera's lens mount.
5. Twist the T-Ring clockwise until it clicks into place, securing it to the camera body.



Image 4.2: The assembled T-Ring and T-Adapter attached to a Canon EOS camera.

4.3 Attaching to a Telescope

6. Insert the 1.25-inch barrel of the T-Adapter (now attached to your camera) into the 1.25-inch focuser of your telescope.
7. Secure the adapter in the focuser using the focuser's thumbscrews. Ensure it is held firmly to prevent movement or accidental drops.

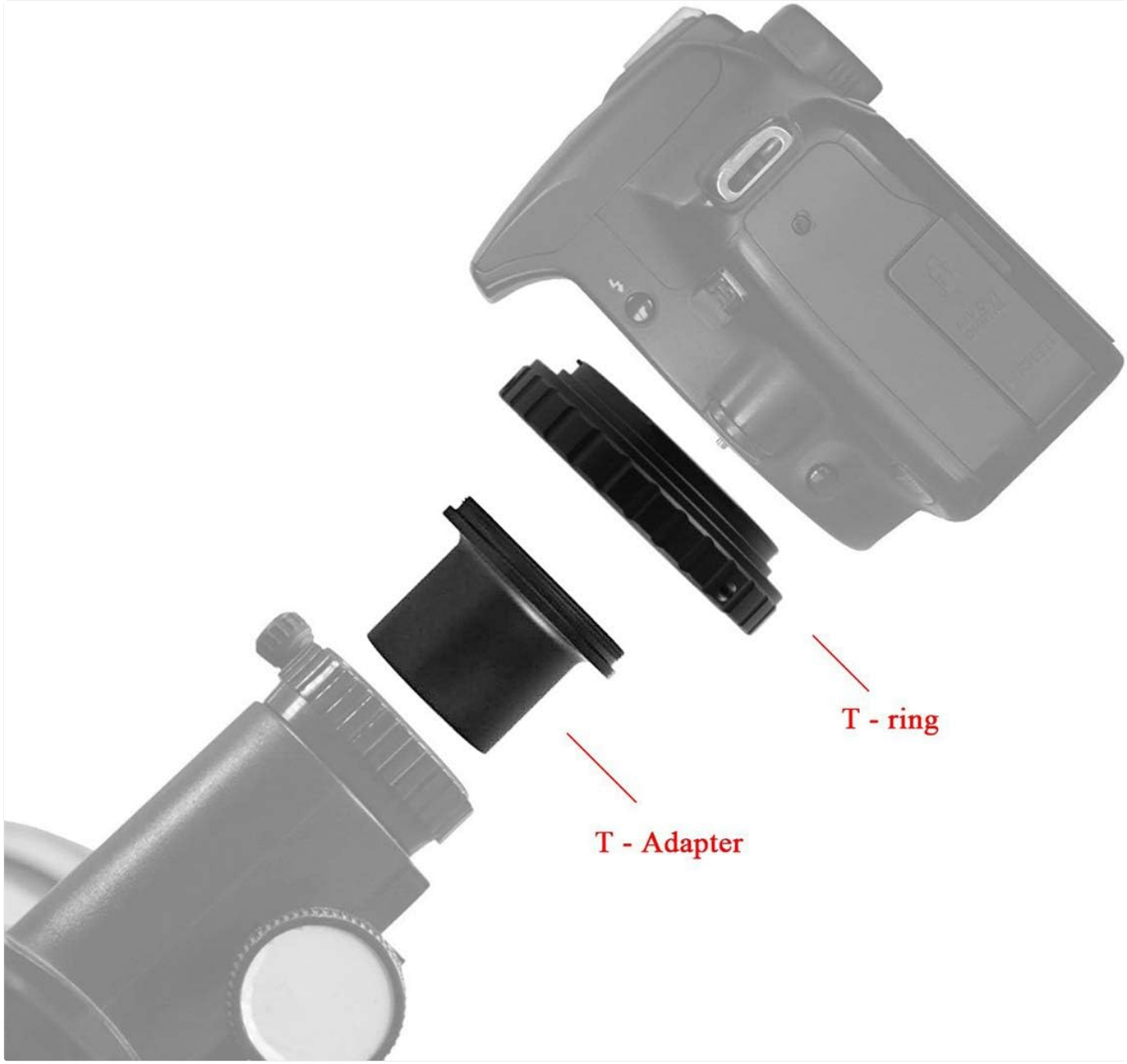


Image 4.3: Illustration of the T-Ring and T-Adapter assembly connecting a camera to a telescope.

5. Operating Instructions

This adapter facilitates prime-focus astrophotography. Please note the following operational considerations:

- **Manual Focusing:** The adapter does not provide electronic communication between the camera and the telescope. Focusing must be done manually using the telescope's focuser.
- **Aperture Control:** Since there is no electronic connection, the camera's aperture cannot be controlled through the camera body. The telescope's aperture is fixed.
- **Exposure Settings:** All exposure settings (ISO, shutter speed) must be adjusted manually on your camera.
- **Focusing Challenges:** Some short-focus cameras or telescopes may have difficulty achieving focus. In such cases, an additional extension tube or a Barlow lens may be required to reach the focal plane.

6. Maintenance

Proper care will ensure the longevity and performance of your adapter:

- **Cleaning:** Use a soft, dry cloth to wipe the metal surfaces. Avoid abrasive cleaners or solvents.
- **Storage:** Store the adapter in a clean, dry environment when not in use. Keep dust caps on your camera and telescope focuser when the adapter is removed.
- **Inspection:** Periodically check the threads for any debris or damage.

7. Troubleshooting

If you encounter issues, consider the following:

- **Cannot achieve focus:**
  - Ensure the telescope focuser is moved through its full range.
  - For Newtonian telescopes, a Barlow lens or an extension tube might be necessary to reach prime focus.
  - For some refractor telescopes, an extension tube might be needed.
- **Loose connection between T-Ring and T-Adapter:**
  - Ensure both parts are threaded correctly and tightened securely.
- **T-Ring not attaching to camera:**
  - Verify that your camera is a Canon EOS DSLR with an EF mount. This adapter is not compatible with EOS-M models.
  - Ensure proper alignment of the red dots and twist until it clicks.

8. Specifications

Brand	SVBONY
Model Number	34299103A-W2054A
Mounting Type	1.25 inch mount (for telescope), Canon EOS EF mount (for camera)
Material	Metal
Color	Black
Product Dimensions	7.02"D x 5.85"W x 1.36"H (assembled, approximate)
Item Weight	3.17 ounces
Special Features	Manual focusing, tight fit, durable metal construction
UPC	635266510323



Image 8.1: Various dimensions of the T-Adapter components measured with calipers.

9. Warranty and Support

SVBONY provides the following warranty and support for this product:

- **Warranty Period:** 1 year for SVBONY telescope accessories.
- **Return Policy:** 30 days no-reason return.
- **Post-Warranty Service:** Maintenance service is available beyond the warranty period; buyers are responsible for associated costs.
- **Contact Support:** For assistance, please contact SVBONY through Amazon. Responses are typically provided 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.

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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