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SVBONY SV214 Pro

SVBONY SV214 Pro Universal Phone Adapter Instruction Manual

Model: SV214 Pro

Introduction

The SVBONY SV214 Pro Universal Phone Adapter is designed to connect your smartphone to various optical devices such as telescopes, spotting scopes, and binoculars. This adapter allows you to capture high-quality images and videos through your optical instrument, enhancing your viewing and photography experience. Its robust construction and precise 3-axis adjustment system ensure stable and accurate alignment.

Package Contents

Please verify that all items listed below are included in your package:

- 1x SVBONY SV214 Pro Universal Phone Adapter
- 1x Bluetooth Remote Control
- 1x Hand Strap
- 1x User Manual



Figure 1: Package Contents

Key Features

- **3-Axis Precise Adjustment:** The adapter features fine-tuning knobs for up/down, left/right, and forward/backward movement, allowing for accurate alignment of your phone camera with the eyepiece.
- **Durable Aluminum Alloy Construction:** Made from high-quality aluminum alloy, ensuring stability and longevity.
- **Protective EVA Pads:** Equipped with soft EVA pads on both the eyepiece and phone clips to prevent scratches and damage to your devices.
- **Universal Compatibility:** Compatible with eyepieces with an outer diameter of 28mm to 48mm and smartphones with a width of 55mm to 105mm.
- **Bluetooth Remote Control:** Includes a remote shutter for capturing photos and videos without touching your phone, minimizing vibrations.

Detailed Feature Overview



Figure 2: Multi-directional Adjustment



Figure 3: 3-Axis Precise Adjustment



Figure 4: EVA Protective Pads



Figure 5: Sturdy Aluminum Alloy Material

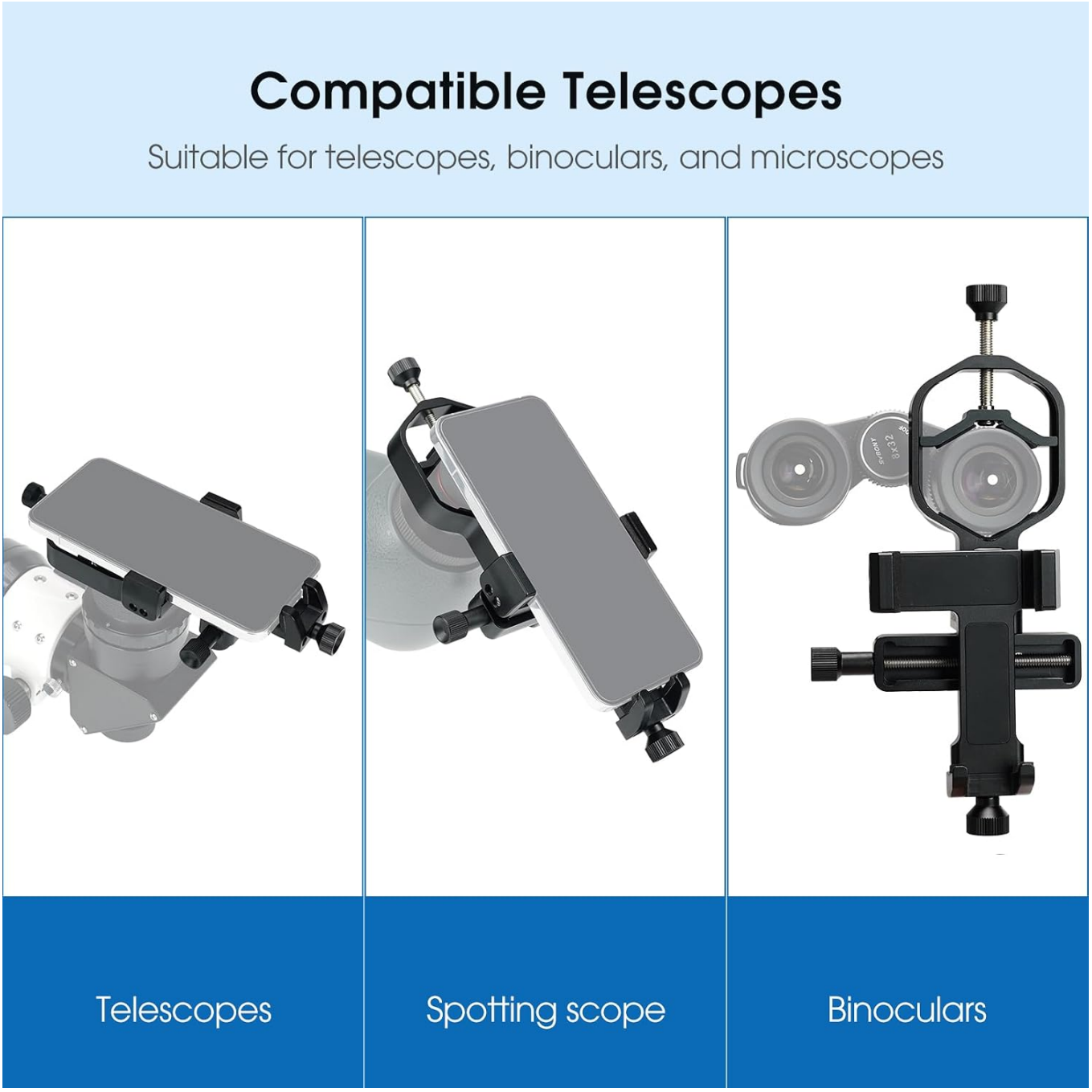


Figure 6: Compatible Optical Devices



Figure 7: Eyepiece Diameter Compatibility (28-48mm)



Figure 8: Smartphone Width Compatibility (55-105mm)

Setup and Installation

1. **Attach Eyepiece:** Loosen the eyepiece clamp screw on the adapter. Insert your optical device's eyepiece (28-48mm outer diameter) into the adapter's eyepiece holder. Tighten the screw securely to hold the eyepiece in place. Ensure the eyepiece is centered and stable.
2. **Mount Smartphone:** Extend the phone clip to fit your smartphone (55-105mm width). Place your phone into the clip, ensuring it is held firmly by the protective EVA pads. The phone's camera should be positioned roughly over the center of the eyepiece opening.
3. **Attach to Optical Device:** Insert the adapter (with phone and eyepiece attached) into the focuser of your telescope, spotting scope, or binoculars. Secure it according to your optical device's instructions.
4. **Initial Alignment:** It is recommended to perform initial alignment during daylight hours by pointing your optical device at a distant, stationary object (e.g., a tree or building). This provides ample light for easier adjustment.

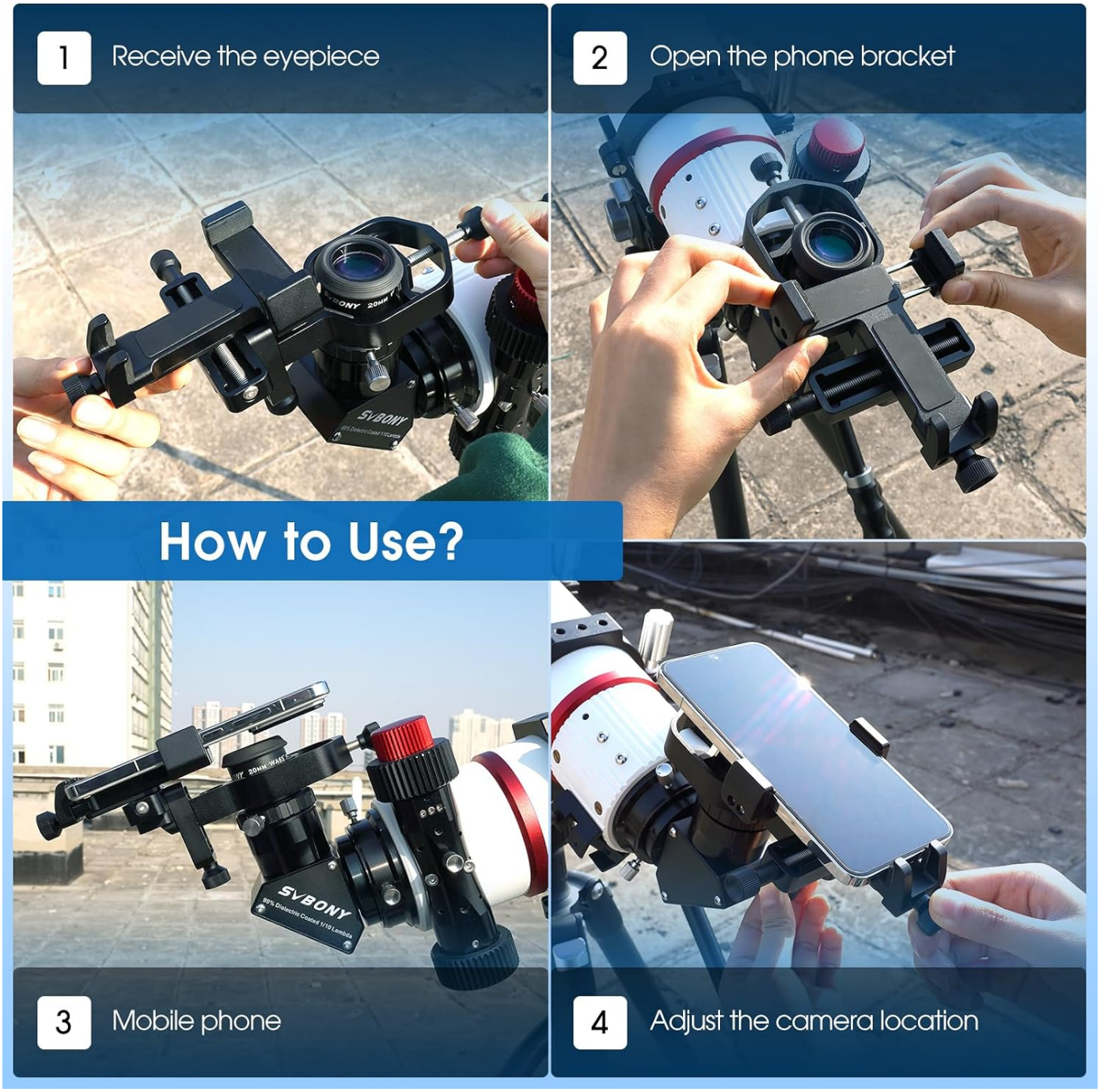


Figure 9: Step-by-Step Installation Guide

Operating Instructions

Once the adapter is securely mounted with your phone and eyepiece, use the 3-axis adjustment knobs for precise alignment:

- **Left/Right Adjustment:** Use the horizontal knob to move your phone's camera left or right until it is centered over the eyepiece's field of view.
- **Up/Down Adjustment:** Use the vertical knob to move your phone's camera up or down, ensuring the eyepiece's image is perfectly centered on your phone screen.
- **Forward/Backward (Eye Relief) Adjustment:** This is crucial for achieving a clear, full-field view without vignetting. Adjust the forward/backward knob to move the phone closer to or further from the eyepiece. The optimal distance (eye relief) varies by eyepiece. Adjust until you see a clear, circular image on your phone screen without dark edges.

Using the Bluetooth Remote Control:

1. **Pairing:** Turn on the remote control. On your smartphone, go to Bluetooth settings and pair with the remote (usually

named 'AB Shutter3' or similar).

2. **Capture:** Open your phone's camera app. Use the remote control's button to take photos or start/stop video recording without touching your phone, thereby preventing vibrations that can blur images.

Video 1: Remote Control Operation Preview

Video 2: Comprehensive Setup and Adjustment Guide

Specifications

Product Dimensions	7.86 x 3.8 x 3.65 inches
Item Weight	13.3 ounces
Item Model Number	FCAW9176A-W9177A
Eyepiece Compatibility	28mm - 48mm outer diameter
Smartphone Width Compatibility	55mm - 105mm
Material	Aluminum Alloy

Maintenance

To ensure the longevity and optimal performance of your SVBONY SV214 Pro Universal Phone Adapter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the adapter after each use. Avoid abrasive cleaners or solvents that could damage the finish or protective pads.
- **Storage:** Store the adapter in a clean, dry place away from extreme temperatures and humidity.
- **Inspection:** Periodically check all screws and moving parts to ensure they are secure. Tighten any loose components gently.

Troubleshooting

If you encounter issues with your phone adapter, consider the following:

- **Unclear or Partial Image:** Adjust the 3-axis knobs, especially the forward/backward (eye relief) adjustment, to find the optimal distance between your phone camera and the eyepiece. Ensure the phone camera is perfectly centered over the eyepiece.
- **Phone Not Secure:** Ensure the phone clip is fully extended and then tightened securely around your phone. The EVA pads should provide a firm grip.
- **Eyepiece Not Secure:** Verify that the eyepiece clamp screw is fully tightened. The eyepiece should not wobble.
- **Remote Control Not Connecting:** Check if the remote control has power (replace battery if necessary). Ensure Bluetooth is enabled on your phone and the remote is in pairing mode. Try re-pairing the device.

Warranty and Support

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

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