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Telonixium SV-EP03

Telonixium 4K Wireless Telescope Camera SV-EP03 User Manual

Model: SV-EP03

1. Introduction

Thank you for choosing the Telonixium 4K Wireless Telescope Camera SV-EP03. This universal eyepiece camera is designed to enhance your observation and astrophotography experience, offering high-resolution imaging and video recording capabilities. With its versatile mounting system, integrated display, and wireless connectivity, you can capture and share stunning visuals of celestial objects, wildlife, and microscopic details. Please read this manual carefully to ensure proper use and optimal performance of your device.

2. Safety Information

- **Do not look directly at the sun:** Never look directly at the sun through the camera or any attached optical device, as this can cause severe and permanent eye damage.
- **Handle with care:** This device contains sensitive electronic components. Avoid dropping or subjecting it to strong impacts.
- **Water exposure:** The camera is not waterproof. Avoid exposure to rain, moisture, or submersion in water.
- **Temperature:** Operate and store the camera within recommended temperature ranges (typically 0°C to 40°C / 32°F to 104°F). Extreme temperatures can affect battery life and device performance.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive materials.
- **Battery safety:** Use only the provided charging cable. Do not attempt to replace the internal battery yourself. Dispose of batteries according to local regulations.
- **Children:** Keep the device out of reach of small children.

3. What's in the Box

Please check the contents of your package. If any items are missing or damaged, contact customer support.

- Telonixium 4K Wireless Telescope Camera (SV-EP03)
- USB Charging Cable
- 64GB MicroSD Card
- User Manual

- Storage Pouch (may vary by package)

4. Parts of the Camera

Familiarize yourself with the different components of your Telonixium SV-EP03 camera.



Figure 4.1: Telonixium SV-EP03 Camera Components

- **2.8" IPS Screen:** Rotatable display for real-time viewing and menu navigation.
- **Control Buttons:** Power, Menu, Up, Down, OK buttons for device operation.
- **Knob Adjustment:** Used for securing the camera to eyepieces.
- **TF Card Slot:** For inserting the MicroSD card.
- **Lens Protection Pad:** Protects the camera lens.
- **Claw Liner Pad:** Provides a secure grip on eyepieces.
- **USB-C Port:** For charging the device.

5. Setup

5.1 Charging the Battery

The camera is equipped with a built-in 2000mAh lithium polymer battery. Before first use, fully charge the device.

1. Connect the provided USB charging cable to the camera's USB-C port.
2. Connect the other end of the cable to a standard USB power adapter (not included) or a computer's USB port.
3. The charging indicator light will illuminate. A full charge typically takes approximately 4 hours.
4. Once fully charged, the indicator light may change color or turn off.



Figure 5.1: Battery Information

5.2 Inserting the MicroSD Card

The camera supports MicroSD cards up to 512GB. A 64GB card is included.

1. Locate the TF card slot on the side of the camera.
2. Insert the MicroSD card with the gold contacts facing down until it clicks into place.
3. To remove, gently push the card in until it springs out.



Figure 5.2: Inserting the MicroSD Card

5.3 Mounting the Camera to an Eyepiece

The universal mounting groove fits eyepieces ranging from 23mm to 60mm in diameter.



Figure 5.3: Mounting Steps

1. Loosen the knob adjustment on the camera to open the mounting groove.
2. Carefully insert the eyepiece of your telescope, binoculars, monocular, or microscope into the camera's mounting groove.
3. Tighten the knob adjustment until the camera is securely fastened to the eyepiece. Ensure it is firm but do not overtighten.
4. Adjust the camera's position for optimal viewing.

6. Operating Instructions

6.1 Powering On/Off

- **To Power On:** Press and hold the Power button until the screen illuminates.
- **To Power Off:** Press and hold the Power button until the screen turns off.

6.2 Using the 2.8" IPS Screen

The rotatable 2.8-inch IPS display provides a real-time view of your observations and allows for direct menu navigation.



Figure 6.1: 2.8" IPS Screen in Use

6.3 Capturing Photos and Videos

The camera supports 4K video recording and up to 64MP image capture.

- **Photo Mode:** Navigate to photo mode using the Menu button. Press the OK button to take a picture.
- **Video Mode:** Navigate to video mode using the Menu button. Press the OK button to start recording. Press OK again to stop recording.



Figure 6.2: 4K Video Recording

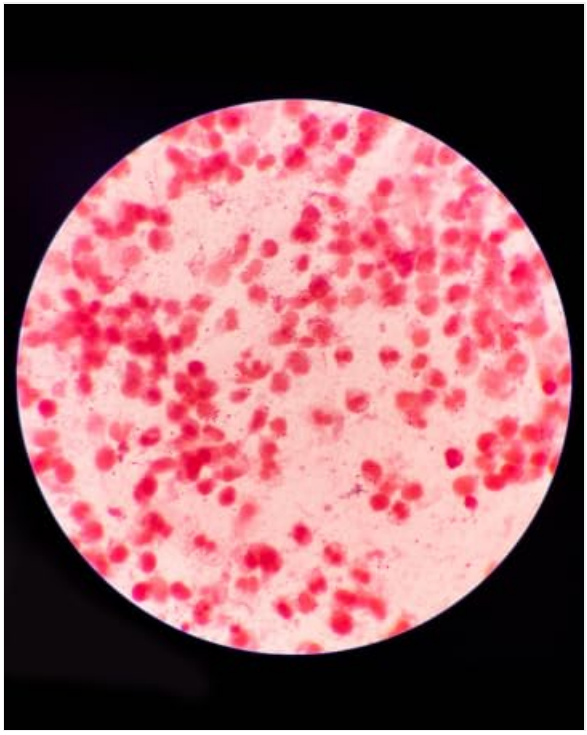


Figure 6.3: 64MP HD Image Quality

6.4 Digital Zoom (X16 Magnification)

The camera features up to 16x digital zoom. Use the Up/Down buttons to adjust the magnification during live view.



Figure 6.4: 16x Magnification Example

6.5 Shooting Settings

Access the menu to adjust various shooting parameters for optimal capture.



Figure 6.5: Shooting Settings Menu

- **Pixel Inset:** Adjust pixel settings for image quality.
- **Filter:** Apply various filters, including an IR filter for enhanced astrophotography.
- **White Balance:** Adjust color temperature for accurate color reproduction.
- **Exposure Setting:** Control the brightness of your images/videos.
- **ISO:** Adjust sensitivity to light, useful in low-light conditions.

6.6 XDVPRO App Control (WiFi Connection)

The camera supports remote viewing and control via the free XDVPRO app (iOS/Android) within a 32ft (10m) range.



Figure 6.6: Wireless Connection for Remote Viewing

1. **Download the App:** Search for 'XDVPRO' in your device's app store (iOS or Android) and install it.
2. **Enable Camera WiFi:** Power on the camera and enable its WiFi function through the menu.
3. **Connect to Camera WiFi:** On your smartphone or tablet, go to WiFi settings and connect to the camera's WiFi network (SSID and password will be displayed on the camera screen or in the app).
4. **Launch App:** Open the XDVPRO app. It should automatically connect to the camera, displaying a live feed.
5. **App Features:** Use the app for time-lapse photography, timed shooting, video recording, and instant sharing to social media.

7. Maintenance

7.1 Cleaning the Camera

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surface. For stubborn smudges, use a small amount of lens cleaning solution on the cloth, not directly on the lens.
- **Body:** Wipe the camera body with a soft, dry cloth. Avoid using solvents or abrasive cleaners.

7.2 Storage

- Store the camera in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan. Recharge every few months.
- Use the provided storage pouch to protect the camera from dust and scratches.

7.3 Battery Care

- Avoid fully discharging the battery frequently.
- Do not expose the battery to high temperatures.
- If the device will not be used for a long time, charge it periodically to prevent deep discharge.

8. Troubleshooting

If you encounter issues with your Telonixium SV-EP03 camera, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted.	Charge the camera fully using the provided USB cable.
App connection is unstable or slow.	Distance from camera, interference, app bug.	Ensure you are within 10m (32ft) of the camera. Minimize interference from other WiFi devices. Restart both the camera and the app. Check for app updates.
Cannot connect to camera WiFi.	WiFi not enabled on camera, incorrect password.	Enable WiFi in the camera's menu. Double-check the WiFi SSID and password. Ensure your phone is not connected to another network.
Remote control (via app) not responding.	App connection issue, app freezing.	Verify stable WiFi connection. Close and reopen the XDVPRO app. Restart the camera.
Unable to download photos/videos from app.	App functionality limitation, storage permissions.	Check app settings for download options. Ensure the app has storage permissions on your phone. Alternatively, remove the MicroSD card and transfer files directly to a computer.
Screen is too bright for dark adaptation (astronomy).	No 'dark mode' or brightness control.	Cover the screen during observation or use the app on a phone with a red-light filter/dark mode. Avoid powering on/off during critical dark adaptation periods due to bright splash screens.
MicroSD card not recognized.	Card inserted incorrectly, card corrupted, unsupported format.	Reinsert the card correctly. Try formatting the card in the camera's menu (this will erase all data). Try a different MicroSD card.

9. Specifications

Detailed technical specifications for the Telonixium SV-EP03 camera.

Feature	Specification
Model Name	SV-EP03
Image Sensor	8MP CMOS
Video Resolution	Up to 4K
Image Resolution	Up to 64MP
Display	2.8-inch Rotatable IPS Screen
Zoom	X16 Digital Zoom
Eyepiece Compatibility	23mm - 60mm diameter
Wireless Connectivity	WiFi (up to 10m / 32ft range)
Battery	2000mAh Lithium Polymer (included)

Feature	Specification
Storage	MicroSD card up to 512GB (64GB included)
Charging Port	USB-C
Product Dimensions	1.9 x 2 x 2.55 inches (4.8 x 5.1 x 6.5 cm)
Item Weight	9.9 ounces (280 Grams)
Compatible Devices	Smartphone, Tablet

10. Warranty and Support

10.1 Warranty Information

Telonixium products are covered by a limited warranty from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage caused by misuse, accident, unauthorized modification, or normal wear and tear. Please retain your proof of purchase for warranty claims.

10.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Telonixium 4K Wireless Telescope Camera SV-EP03, please contact our customer support team. You can typically find contact information on our official website or through the retailer where you purchased the product.
Please have your model number (SV-EP03) and purchase details ready when contacting support.

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Details

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

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