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> ASHATA Telescope Eyepiece Camera Instruction Manual

ASHATA ASHATAseyu4rtdng

ASHATA Telescope Eyepiece Camera Instruction Manual

Model: ASHATAseyu4rtdng

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your ASHATA Telescope Eyepiece Camera. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.



2. PRODUCT OVERVIEW

The ASHATA Telescope Eyepiece Camera is designed for astrophotography and general observation, allowing you to capture high-resolution photos and videos through your telescope or microscope. It features a 16MP sensor for 1080P recording and offers seamless connectivity with mobile devices.

Key Features:

- **High-Resolution Imaging:** Capture 16MP photos and 1080P HD videos.
- **Wide Compatibility:** Designed for 28mm to 50mm optical telescopes and microscopes.
- **Wireless Connectivity:** Connects to your smartphone via built-in Wi-Fi for real-time viewing, control, and sharing.
- **Portable Design:** Compact and lightweight (0.2 lbs) for easy transport.
- **Long Battery Life:** Integrated 1000mAh battery provides up to 150 minutes of continuous use on a 1-hour charge.
- **Expandable Storage:** Supports memory cards up to 256GB.



Image 2.1: The eyepiece camera connected to a telescope, displaying images on two mobile phones simultaneously. It supports photo and video recording, including interval shooting and time-lapse, shareable via the app.

3. SETUP INSTRUCTIONS

3.1 Attaching the Camera to Your Telescope/Microscope

1. Ensure your telescope or microscope eyepiece barrel is between 28mm and 50mm in diameter.
2. Gently rotate the ASHATA Eyepiece Camera to attach it securely to the eyepiece of your optical device. Do not overtighten.



Image 3.1: The eyepiece camera mounted on a telescope, demonstrating its compatibility with 28mm to 50mm optical devices.

3.2 Initial Charging

Before first use, fully charge the camera using the provided Type-C USB cable. Connect the cable to the camera's Type-C port and a standard USB power adapter (not included) or a power bank.

3.3 App Installation and Connection

1. Download the dedicated application for the ASHATA Eyepiece Camera from your smartphone's app store.
2. Enable Wi-Fi on your smartphone.
3. Power on the eyepiece camera.
4. Connect your smartphone to the camera's Wi-Fi network. The network name and password can typically be found in the camera's display or a sticker on the device.
5. Open the application to establish a connection and begin live viewing.

4. OPERATING INSTRUCTIONS

4.1 Capturing Photos and Videos

Once connected to the app, you can control the camera directly from your smartphone. The app interface will provide options for:

- **Photo Capture:** Tap the camera icon to take a still image.
- **Video Recording:** Tap the video icon to start and stop recording.
- **Interval Shooting:** Set specific time intervals for automatic photo capture.
- **Time-lapse Recording:** Capture a series of images over time to create a time-lapse video.

UNIVERSAL FIT TO 28MM- 50MM TELESCOPES



Image 4.1: The eyepiece camera capturing a bird, with the live feed displayed on a connected smartphone, illustrating real-time observation and recording capabilities.

4.2 Adjusting Focus

The camera features manual focus. Adjust the focus ring on the camera or your optical device until the image on your smartphone screen is clear and sharp.



Image 4.2: The eyepiece camera displaying a full view angle, indicating the field of view captured.

4.3 Sharing Content

The companion app allows for immediate sharing of captured photos and videos to social media platforms or other applications on your smartphone.

5. MAINTENANCE

5.1 Charging the Battery

The built-in 1000mAh Li-ion battery can be recharged using any standard Type-C phone charger or power bank. A full charge takes approximately 1 hour and provides up to 150 minutes of continuous operation.



Image 5.1: The eyepiece camera highlighting its USB Type-C charging port and support for memory cards up to 256GB.

5.2 Storage

The camera supports external memory cards up to 256GB for storing your photos and videos. Ensure the memory card is inserted correctly into the designated slot.

5.3 Cleaning

Use a soft, dry cloth to clean the exterior of the camera. For the lens, use a specialized lens cleaning cloth and solution to avoid scratches. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

- **Camera not powering on:** Ensure the battery is charged. Connect to a power source and try again.
- **Cannot connect to smartphone:** Verify Wi-Fi is enabled on both devices. Ensure you have selected the correct camera Wi-Fi network and entered the correct password. Restart both the camera and your smartphone.
- **Image is blurry:** Adjust the manual focus on the camera or your optical device. Ensure the camera is securely attached and aligned with the eyepiece.
- **No image on app:** Confirm the camera is powered on and successfully connected via Wi-Fi. Check if the app has necessary permissions on your phone.
- **Cannot save photos/videos:** Check if a memory card is inserted and has sufficient free space. Ensure the memory card is not corrupted.

7. SPECIFICATIONS

Brand	ASHATA
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Model Name	ASHATAseyu4rtdng
Eye Piece Lens Description	ABS digital camera lens
Product Dimensions (D x W x H)	3.93" x 3.93" x 2.75" (100mm x 100mm x 70mm)
Focus Type	Manual Focus
Compatible Devices	Telescopes (28mm to 50mm aperture)
Zoom Ratio	2
Manufacturer	ASHATA
Battery Capacity	1000mAh
Charging Time	Approx. 1 hour
Continuous Use Time	Approx. 150 minutes
Storage Support	Memory card up to 256GB



Image 7.1: Dimensional view of the eyepiece camera, showing its compact size.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official ASHATA website. Keep your purchase receipt for warranty claims.