

dgtenk EP907

dgtenk WiFi Telescope Eyepiece Camera EP907 User Manual

Model: EP907

1. INTRODUCTION

Thank you for choosing the dgtenk WiFi Telescope Eyepiece Camera EP907. This device is designed to transform your optical telescopes and microscopes into digital imaging tools, allowing you to capture high-resolution photos and videos of celestial objects, wildlife, and microscopic views. This manual provides essential information for proper setup, operation, and maintenance to ensure optimal performance and longevity of your camera.

2. PRODUCT OVERVIEW

2.1 Components

- dgtenk EP907 WiFi Telescope Eyepiece Camera
- USB Charging Cable
- 32GB TF Card (pre-installed or included)
- Eyepiece Adapters (if applicable, for various sizes)
- User Manual (this document)

2.2 Key Features

- **High-Resolution Imaging:** 4-megapixel photosensitive chip, up to 24 million pixel still photos, and 2K HD videos (2560x1440/30fps).
- **Wide Compatibility:** Fits 25mm-50mm eyepieces of optical telescopes, microscopes, monoculars, and binoculars.
- **WiFi Connectivity:** Built-in WiFi hotspot for remote control and real-time viewing via smartphone app.
- **Long Battery Life:** Integrated 1500mAh lithium battery supports up to 4 hours of continuous use.
- **Storage:** Equipped with a 32GB TF card for saving images and videos.
- **Advanced Functions:** Supports interval shooting and time-lapse video recording.
- **Low-Light Performance:** Dark light compensation technology for improved clarity in challenging lighting conditions.



Image 1: dgten EP907 WiFi Telescope Eyepiece Camera with charging cable and eyepiece caps. A smartphone displays a moon image, illustrating remote viewing capabilities.



Image 2: Overview of the dgtenk EP907 camera, highlighting its 24MP resolution, 2K video, 32GB TF card, and 1500mAh battery capacity.

3. SETUP

3.1 Compatibility

The EP907 camera is designed for universal fit with optical instruments that have eyepiece diameters between 25mm and 50mm (0.98in-1.96in). This includes various telescopes, microscopes, monoculars, and binoculars.

Universal Fit To Spotting Scope Optics 0.98in-1.96in / 25mm-50mm



Image 3: The dgtenk EP907 camera shown with various compatible optical instruments including monoculars, binoculars, microscopes, and astronomical telescopes.

3.2 Physical Installation

Follow these steps to attach the camera to your optical instrument:

1. **Adjust the Fixing Ring:** Twist the inner ring of the camera to adjust the fixing ring to match the diameter of your instrument's eyepiece.
2. **Install the Camera:** Gently slide the camera onto the eyepiece of your telescope or microscope.
3. **Secure the Camera:** Screw the inner ring to tighten and secure the camera firmly in place on the eyepiece.

Applicable Optical Instrument



Image 4: Step-by-step visual guide for installing the dgtenk EP907 camera onto a telescope eyepiece.

3.3 App Installation and WiFi Connection

To operate the camera and view live feeds, you need to install the companion app and connect via WiFi:

1. **Charge the Camera:** Ensure the camera is sufficiently charged before use.
2. **Download the App:** Scan the QR code provided on the camera or in the quick start guide, or search for "Lercenker" in the iOS App Store or Google Play Store and download the application. [Download Lercenker App](#)

3. **Power On Camera:** Press and hold the power button on the camera until the indicator light illuminates.
4. **Connect to WiFi:** Open the "Lercenker" app on your smartphone. Click "Camera," then click "Retry" to search for the product's WiFi network. Select the WiFi network named "EP01_XXXXXXX" (where XXXXXX is a unique identifier) and enter the default password "12345678".
5. **Start Recording:** Once connected, you can click "Video" or "Photo" within the app to begin recording or capturing images.

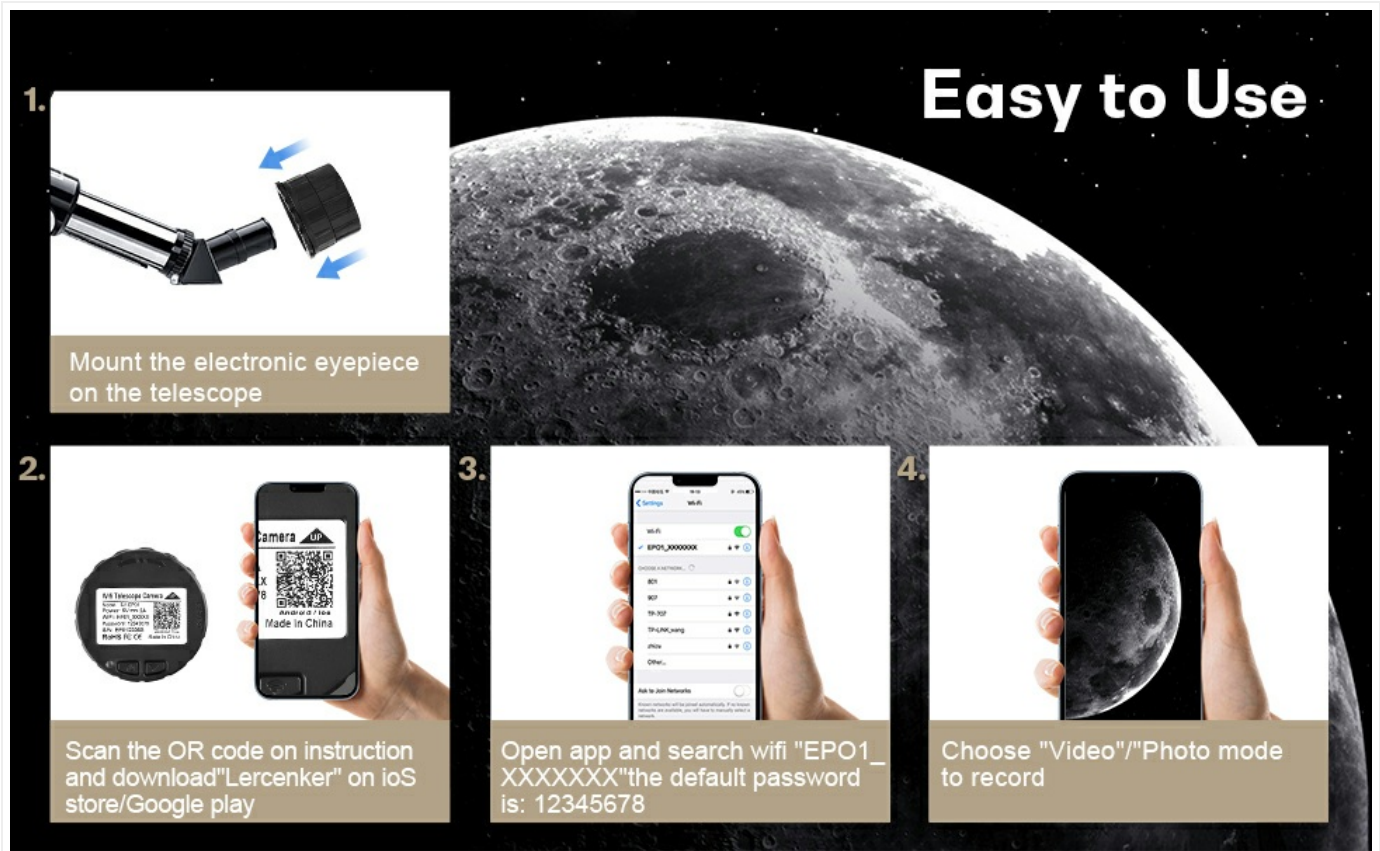


Image 5: Visual guide demonstrating the steps for connecting the dgtenk EP907 camera to a smartphone via the Lercenker app.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** Press and hold the power button for approximately 3 seconds to turn the camera on or off.
- **Live View:** Once connected to the app, the live view from the camera will be displayed on your smartphone screen.
- **Capture Photo:** Tap the "Photo" icon in the app to take a still image.
- **Record Video:** Tap the "Video" icon in the app to start and stop video recording.
- **Playback/Download:** Access recorded photos and videos through the app's gallery. You can download them to your phone's storage.

4.2 Advanced Features

- **Interval Shooting:** Configure the app settings to capture photos at set intervals, useful for monitoring changes over time.
- **Time-lapse Recording:** Utilize the time-lapse function to condense long events into short videos, such as planetary movements or cloud formations.
- **Exposure Compensation:** The app may offer settings for adjusting exposure, ISO, and other parameters to optimize image quality for different lighting conditions.

Compatible with Various Scenarios



Image 6: The dgtenk EP907 camera is suitable for various scenarios including bird watching, scientific observation with a microscope, and astronomy exploration.

5. MAINTENANCE

5.1 Cleaning

- Use a soft, dry cloth to clean the camera body.
- For the lens, use a specialized lens cleaning cloth and solution to avoid scratches.
- Do not use harsh chemicals or abrasive materials.

5.2 Battery Charging

The camera features a built-in 1500mAh lithium battery. Charge it using the provided USB Type-C cable.

- Connect the USB Type-C cable to the camera's charging port.
- Connect the other end to a power source such as a power bank, car charger, or standard USB charging plug.
- A full charge typically provides up to 4 hours of shooting time.

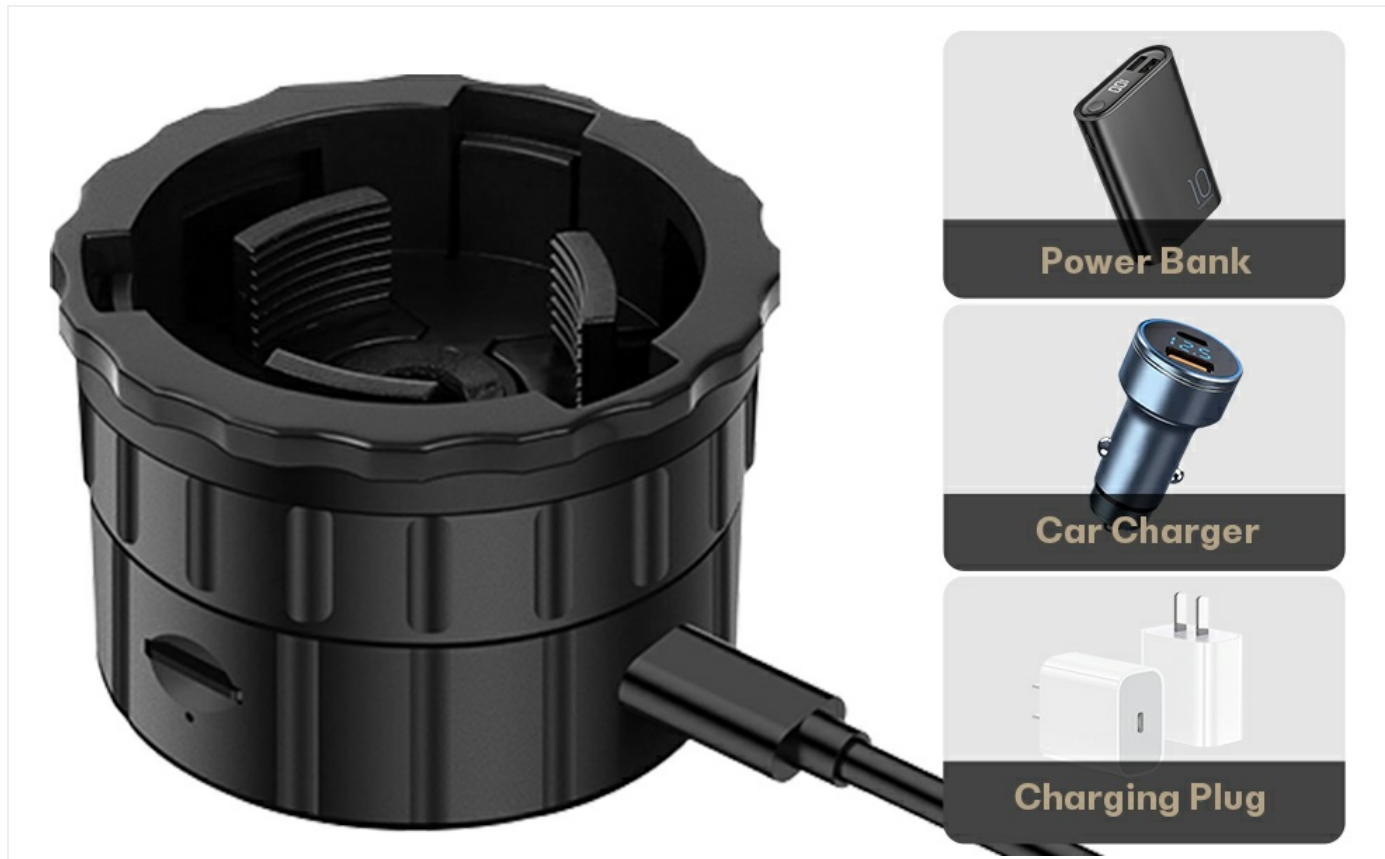


Image 7: The dgtenk EP907 camera can be charged via various USB power sources, including power banks, car chargers, and wall adapters.

5.3 Storage

When not in use, store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the lens is protected from dust and scratches.

6. TROUBLESHOOTING

If you encounter issues with your dgtenk EP907 camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera does not power on.	Low battery.	Charge the camera using the provided USB cable.
Cannot connect to camera WiFi.	Incorrect password or WiFi not enabled on camera.	Ensure camera is powered on. Verify the WiFi password "12345678". Try disabling other WiFi/Bluetooth connections on your phone.
Poor image quality / blurry images.	Improper focus on the optical instrument. Low light conditions.	Adjust the focus of your telescope/microscope. Ensure the camera is securely mounted. For low light, adjust app settings (if available) or use in brighter conditions.
App crashes or freezes.	App software issue or phone compatibility.	Restart the app and the camera. Ensure your app is updated to the latest version. Check phone compatibility requirements.
Cannot save photos/videos.	TF card full or not inserted correctly.	Check if the 32GB TF card is properly inserted. If full, transfer files to another device or delete unnecessary files.

7. SPECIFICATIONS

Feature	Specification
Model Name	EP907 Wifi Telescope Eyepiece Camera
Image Sensor	4-megapixel CMOS
Still Photo Resolution	Up to 24 million pixels (interpolated)
Video Resolution	2560x1440/30fps (2K HD)
Eyepiece Compatibility	25mm-50mm (0.98in-1.96in) diameter
Connectivity	Built-in WiFi Hotspot
Battery	1500mAh Lithium Polymer (included)
Battery Life	Up to 4 hours of shooting time
Storage	32GB TF Card (included)
Charging Port	USB Type-C
Product Dimensions	2 x 2 x 2.5 inches (approx. 50.8 x 50.8 x 63.5 mm)
Item Weight	3.35 ounces (approx. 95 grams)
Manufacturer	dgtenk

8. WARRANTY AND SUPPORT

dgtenk is committed to providing quality products and customer satisfaction. This product comes with a standard manufacturer's guarantee. For any technical support, warranty claims, or inquiries regarding your dgtenk EP907 WiFi Telescope Eyepiece Camera, please contact dgtenk customer service through the retailer's platform or the official brand channels. Please retain your proof of purchase for warranty validation.

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