

eufy Security T8E00

eufy Security PoE Bullet-PTZ Cam S4 Instruction Manual

Model: T8E00 | Brand: eufy Security

1. INTRODUCTION

The eufy Security PoE Bullet-PTZ Cam S4 is an advanced surveillance camera designed for comprehensive outdoor security. This add-on camera requires the eufy NVR S4 to operate, providing a wired, reliable, and feature-rich monitoring solution. It combines a 4K wide-angle lens with a 2K pan-tilt-zoom (PTZ) lens, offering unparalleled coverage and detail. Equipped with AI tracking, color night vision, and two-way audio, the Cam S4 ensures your property is protected 24/7.

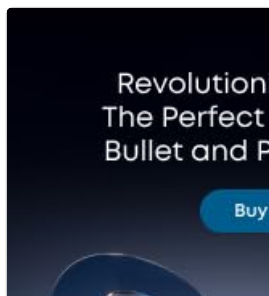


Image: The eufy PoE Bullet-PTZ Cam S4 features a 4K wide-angle lens and a 2K PTZ lens for comprehensive coverage.

2. WHAT'S IN THE BOX

- 1 x PoE Cam S4
- 1 x Mounting Bracket
- 1 x 59ft/18m Ethernet Cable
- 1 x Waterproof Cover Pack
- 1 x Screw Pack
- 1 x Position Sticker
- 1 x Warning Sticker
- 1 x Quick Start Guide

3. SETUP

3.1 System Requirements

The eufy PoE Cam S4 Add-on Camera requires an eufy NVR S4 to operate. Ensure your NVR is properly set up and connected to your network. A PoE NVR, switch, injector, and DC adapter are required (not included with this add-on camera).

3.2 Power Over Ethernet (PoE) Connection

The Cam S4 utilizes Power over Ethernet (PoE) technology, meaning a single Ethernet cable handles both power and data transmission. This simplifies installation and ensures a stable connection.



Image: A single Ethernet cable provides both power and data for the eufy PoE camera, connecting directly to the NVR.

3.3 Mounting the Camera

1. **Choose a Location:** Select an outdoor location that provides optimal coverage of your desired monitoring area. Consider factors like line of sight, potential obstructions, and proximity to your NVR or PoE switch. The camera is IP65 weatherproof, suitable for various conditions.
2. **Install the Mounting Bracket:** Use the provided screw pack and position sticker to securely attach the mounting bracket to your chosen surface (wall, pole, or ceiling).
3. **Attach the Camera:** Slide the PoE Cam S4 onto the mounting bracket until it clicks into place.
4. **Connect the Ethernet Cable:** Connect one end of the provided 59ft/18m Ethernet cable to the camera's PoE port and the other end to an available PoE port on your eufy NVR S4 or PoE switch. Use the waterproof cover pack to protect the connection.
5. **Adjust Camera Angle:** Manually adjust the fixed wide-angle lens and the PTZ lens to cover your desired areas. Fine-tuning can be done later via the eufy Security app or NVR interface.



3.4 Initial Configuration

Once connected to the eufy NVR S4, the camera should automatically be detected. Follow the on-screen prompts on your NVR or use the eufy Security app to complete the initial setup, including naming the camera and configuring basic settings.

4. OPERATING THE CAMERA

4.1 Dual-Lens System

The Cam S4 features a unique triple-lens design:

- **Upper 4K Wide-Angle Camera:** Provides a 122° fixed view of the entire scene, capturing broad areas in high definition.
- **Lower 2K PTZ Camera:** Offers 8× auto-zoom and 360° pan with 70° tilt for detailed, dynamic coverage.

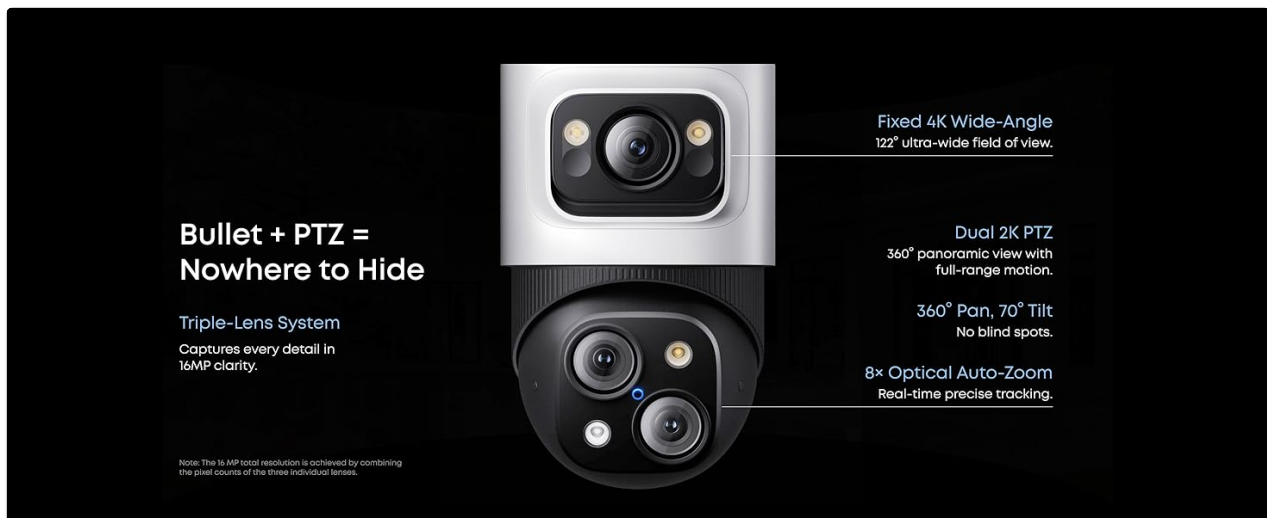


Image: The triple-lens system provides both a fixed wide-angle view and a movable PTZ view for comprehensive monitoring.

4.2 AI Tracking and Auto-Framing

The advanced AI capabilities allow the camera to automatically detect, track, and frame subjects. When the bullet camera detects a subject, the PTZ lens locks on and auto-tracks them in sharp, centered close-ups from up to 164 ft away. Auto-zoom keeps moving subjects framed until they exit the view.

Auto-Framing Up to 164 ft Away

When the upper camera detects a subject, the lower PTZ camera locks on, automatically tracking and framing them with sharp, centered close-ups and 8x auto zoom—even from 164 ft (50 m) away.
Group Tracking: Automatically adjusts zoom to keep all subjects in frame, even if they move, until one exits the field of view.



Image: The camera's AI automatically tracks and frames subjects, ensuring they remain in focus.

4.3 Starlight Color Night Vision

Experience clear, colorful nighttime details without the need for a spotlight, thanks to AI-ISP processing. For enhanced clarity, you can activate a spotlight or use HDR to prevent overexposure, allowing for identification of details like license plates.

Image: Various night vision modes, including Starlight Color Night Vision, provide clear visibility in low-light conditions.

4.4 Red and Blue Strobe & Smart Sirens

The camera can deter intruders with smart sirens and a red and blue strobe light, activated automatically when AI detects and tracks unauthorized individuals.

4.5 AI Human Detection

Advanced AI distinguishes between people, pets, and vehicles, reducing false alerts by 99%. You will only receive notifications for events that truly matter.

4.6 Two-Way Talk

Engage in crystal-clear, distraction-free two-way communication with AI noise reduction. This feature allows you to speak to visitors or deter unwanted guests directly through the camera.



Image: The two-way talk feature allows for clear communication through the camera.

4.7 Smart Video Search

Quickly find specific events in your recorded footage using keywords. Instead of scrolling through hours of video, you can search for terms like "person," "vehicle," or specific colors to locate relevant clips in seconds.

Your browser does not support the video tag.

Video: This video demonstrates the Smart Video Search feature, allowing users to quickly find specific events in recorded footage using keywords and filters.

5. MAINTENANCE

5.1 Cleaning the Camera

Periodically clean the camera lenses and housing with a soft, damp cloth to ensure optimal image clarity. Avoid using harsh chemicals or abrasive materials that could damage the camera's finish or lenses.

5.2 Weather Resistance

The eufy PoE Bullet-PTZ Cam S4 is rated IP65, meaning it is protected against dust and low-pressure water jets. It is designed to withstand various weather conditions, but extreme conditions (e.g., prolonged submersion, direct high-pressure water) should be avoided.



Image: The IP65 rating ensures the camera's durability against various weather conditions.

5.3 Firmware Updates

Regularly check for and install firmware updates via your eufy NVR S4 or the eufy Security app. Updates often include performance improvements, new features, and security enhancements.

6. TROUBLESHOOTING

6.1 Camera Not Connecting to NVR

- Ensure the Ethernet cable is securely connected to both the camera and a functioning PoE port on the NVR or switch.
- Verify that the NVR S4 is powered on and connected to your network.
- Check the Ethernet cable for any damage. Try a different cable if necessary.
- Restart the NVR and the camera.

6.2 Poor Image Quality

- Clean the camera lenses to remove any dirt or smudges.
- Ensure there are no obstructions blocking the camera's view.
- Check your network connection speed. While PoE is wired, network congestion can affect live view quality.
- Adjust night vision settings (Starlight, Infrared, Spotlight) in the app or NVR interface for optimal clarity in low light.

6.3 False Alerts

- Adjust the AI Human Detection sensitivity settings in the eufy Security app or NVR interface.
- Configure Activity Zones to focus on specific areas and ignore irrelevant motion (e.g., passing cars on a public road).
- Ensure the camera is mounted securely to prevent movement from wind or vibrations, which could trigger false alerts.

7. SPECIFICATIONS

Feature	Detail
Brand	eufy Security
Model Number	T8E00
Connectivity Technology	Ethernet (PoE)
Video Capture Resolution	4K (Upper Lens), 2K (Lower PTZ Lens)
Special Features	AI-powered, PTZ Control, Two-Way Audio, Live Cross Cam Tracking, Red and Blue Light, Color Night Vision
Number of Channels	1 (Add-on Camera)
Power Source	Power over Ethernet
Item Dimensions (L x W x H)	10.75 x 7.32 x 3.94 inches
Operating System	Proprietary/Embedded (eufy NVR-Specific)
Recommended Uses	Outdoor
Compatible Devices	eufy NVR S4, Laptops, Personal Computers, Smartphones, TV, Tablets
Low Light Technology	Starlight Vision, Spotlight Vision, Infrared Vision
Night Vision Range	65 Feet
Frame Rate	15fps/20fps
Recording Mode	Continuous, Motion Detection

Hardware Interface	Ethernet
Lens Type	Wide Angle, PTZ
Viewing Angle	122 Degrees (Fixed Lens)
Item Weight	3.34 pounds

8. WARRANTY AND SUPPORT

8.1 After Sales Support

eufy Security products are covered by a 3-year after-sales service. Our expert support team is available 24/7 to assist with any concerns or issues you may encounter, ensuring your system remains operational.

8.2 Contact Information

For technical support, warranty claims, or general inquiries, please refer to the contact information provided in your Quick Start Guide or visit the official eufy Security website.