

ZXTECH BabyBullet 5MP PoE IP Camera

ZXTECH BabyBullet 5MP PoE IP CCTV Camera User Manual

Model: BabyBullet 5MP PoE IP Camera

1. INTRODUCTION

The ZXTECH BabyBullet 5MP PoE IP CCTV Camera is a high-resolution surveillance device designed for both indoor and outdoor environments. It features a compact, modern design, a 5-megapixel SONY chip, and Power over Ethernet (PoE) capability for simplified installation. The camera offers 2.5 times clearer images than 1080p, utilizes H.265+ video compression for efficient data usage, and supports real-time 5MP recording. Its IP66-rated metal casing ensures durability and resistance to water and vandalism. Remote access is available via smartphone or computer, and it includes motion detection with push notifications.



Image: Front view of the ZXTECH BabyBullet 5MP PoE IP Camera, showcasing its design and lens.

2. SAFETY INFORMATION

- Ensure all power connections are secure and meet the camera's specifications to prevent electrical hazards.
- Do not attempt to disassemble or modify the camera. This may void the warranty and cause damage.
- Install the camera in a location where it is protected from extreme temperatures and direct sunlight. While rated IP66, optimal performance and longevity are achieved in sheltered conditions.
- Use only manufacturer-approved accessories and power supplies.
- Keep the camera and its components out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x ZXTECH BabyBullet 5MP PoE IP Camera

- Mounting screws and Allen key
- Connector protection accessories
- Quick Start Guide (QSG)

4. SETUP

4.1 Physical Installation

The camera can be mounted on a wall or ceiling. Select a location that provides the desired viewing angle and is within reach of your network cable.

1. **Prepare the Mounting Surface:** Use the provided mounting template (if available in QSG) to mark the drill holes.
2. **Drill Holes:** Drill pilot holes for the mounting screws.
3. **Secure the Camera:** Attach the camera's mounting base to the surface using the provided screws. Adjust the camera's angle as needed.



Image: Hands installing the ZXTECH BabyBullet 5MP PoE IP Camera on a brick wall. This demonstrates the physical mounting process.



Image: A hand holding the ZXTECH BabyBullet 5MP PoE IP Camera, illustrating its compact size and bullet-style design.

4.2 Power and Network Connection (PoE)

This camera supports Power over Ethernet (PoE), allowing both power and data transmission through a single Ethernet cable.

1. Connect one end of an Ethernet cable to the camera's network port.
2. Connect the other end of the Ethernet cable to a PoE-enabled switch or a PoE injector.
3. Ensure the PoE device is powered on. The camera will power up automatically.

4.3 SD Card Installation

The camera features an external SD card slot for local storage of recordings.

1. Locate the SD card slot cover on the camera body.
2. Carefully open the cover using the provided tool or a small screwdriver.
3. Insert a compatible microSD card (not included) into the slot with the contacts facing down until it clicks into place.

4. Close the SD card slot cover securely to maintain the camera's IP66 waterproof rating.



Image: A hand inserting a microSD card into the camera's external slot, demonstrating the process for local storage setup.



Image: Rear view of the camera, highlighting the external SD card slot and the robust mounting bracket.

4.4 Network Configuration and App Setup

Refer to the Quick Start Guide (QSG) for detailed instructions on initial network configuration, including IP address setup and connecting to the dedicated mobile application. The camera supports the ONVIF protocol for compatibility with various network video recorders (NVRs) and surveillance software.

- Download the official ZXTECH mobile application from your smartphone's app store.
- Follow the in-app instructions to add your camera to the application. This typically involves scanning a QR code or manually entering the camera's ID.
- Configure network settings, such as static IP address, through the app or a web browser interface.

5. OPERATING THE CAMERA

5.1 Live View and Recording

Once configured, you can access the camera's live feed and manage recordings.

- **Access Live View:** Open the mobile application or access the camera via a web browser on your computer. Select the camera to view its live feed.
- **Recording:** The camera supports 5-megapixel recording at 2592x1944 resolution. Recordings can be stored on the inserted SD card or a connected NVR. Configure continuous recording, scheduled recording, or event-triggered recording through the camera's settings.
- **H.265+ Compression:** The camera uses H.265+ video codec, which efficiently compresses video files, reducing storage space and bandwidth usage without compromising video quality.

5.2 Motion Detection and Notifications

The camera can detect motion and send alerts to your smartphone.

1. **Enable Motion Detection:** Navigate to the camera settings in the mobile app or web interface. Locate and enable the motion detection feature.
2. **Configure Detection Zones:** Define specific areas within the camera's view where motion detection should be active.
3. **Set Sensitivity:** Adjust the motion detection sensitivity to minimize false alarms.
4. **Enable Push Notifications:** Ensure push notifications are enabled in both the camera app settings and your smartphone's operating system settings to receive alerts when motion is detected.

5.3 Remote Access and Cloud Features

Access your camera feed and recordings from anywhere using the cloud service.

- The ZXTECH app provides live cloud access, allowing you to view live footage and playback recorded events remotely.
- Ensure your camera has a stable internet connection for reliable remote access.

6. MAINTENANCE

- **Cleaning:** Gently wipe the camera lens and body with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Regularly check for and install firmware updates through the mobile app or web interface to ensure optimal performance and security.
- **Cable Inspection:** Periodically inspect all cables for signs of wear or damage, especially for outdoor installations.



Image: Close-up of the camera with water droplets on its casing, illustrating its IP66 waterproof and weather-resistant design, suitable for outdoor use.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Camera not powering on | No power from PoE switch/injector; faulty cable. | Check PoE connection and power source. Test with a different Ethernet cable. |
| No video feed | Network connectivity issue; incorrect IP settings. | Verify network cable connection. Ensure camera and viewing device are on the same network or accessible remotely. Check IP settings. |
| Motion detection not working | Feature disabled; incorrect sensitivity; notification settings. | Enable motion detection in settings. Adjust sensitivity. Check app and phone notification settings. |
| Poor image quality | Dirty lens; low light conditions; network bandwidth. | Clean the camera lens. Ensure adequate lighting for optimal night vision. Check network bandwidth. |

| Problem | Possible Cause | Solution |
|-----------------------|-------------------------------------------------------|--------------------------------------------------------------------------|
| SD card not recording | SD card full or faulty; recording settings incorrect. | Format or replace SD card. Verify recording schedule and event settings. |

8. SPECIFICATIONS

| Feature | Detail |
|--------------------------|------------------------------|
| Brand | ZXTECH |
| Model | BabyBullet 5MP PoE IP Camera |
| Connectivity Technology | Wired (PoE) |
| Usage Environment | Indoor, Outdoor |
| Compatible Devices | Desktop Computer, Smartphone |
| Power Source | Power over Ethernet (PoE) |
| Connectivity Protocol | ONVIF |
| Video Capture Resolution | 5 MP (2592 x 1944) |
| Material | Metal |
| Waterproof Level | IP66 (Waterproof) |
| Image Sensor | Color sensor (Day/Night) |
| Lens | 2.8 mm wide-angle |
| Video Compression | H.265+ |