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- › [YoLuKe](#) /
- › [YoLuKe P1-4X-2.5 PTZ Dome IP Security Camera Instruction Manual](#)

## YoLuKe P1-4X-2.5

# YoLuKe P1-4X-2.5 PTZ Dome IP Security Camera

## INSTRUCTION MANUAL

Model: P1-4X-2.5 | Brand: YoLuKe

### 1. Introduction

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This manual provides essential information for the proper installation, setup, and operation of your YoLuKe P1-4X-2.5 PTZ Dome IP Security Camera. This camera is designed for both indoor and outdoor surveillance, offering high-definition video, pan-tilt-zoom capabilities, and advanced features to enhance your security monitoring.

### 2. Product Components

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Familiarize yourself with the various parts of your camera and included accessories:



**Figure 2.1: YoLuKe PTZ Dome IP Camera Components.** This image displays the main camera unit with its high-intensity antenna, HD zoom lens, waterproof IP66 body, microphone, reset button, power interface, audio port, and network interface.

- **PTZ Dome IP Camera:** Main surveillance unit.
- **High-Intensity Antenna:** For wireless connectivity.
- **HD Zoom Lens:** Provides clear, magnified views.
- **Waterproof Body (IP66):** Ensures durability in various weather conditions.
- **Microphone:** For audio input.
- **Reset Button:** For device reset.
- **Power Interface:** For connecting the power adapter.
- **Audio Port:** For external audio connections.
- **Network Interface:** For wired network connection.
- **Power Adapter:** To supply power to the camera.
- **Ethernet Cable:** For initial setup and wired connection.
- **Mounting Hardware:** Screws and anchors for installation.
- **CD:** Contains software and drivers.
- **Quick Operation Guide:** Additional setup instructions.

## 3. Setup

### 3.1 Physical Installation

Follow these steps for secure physical installation of your camera:



**Figure 3.1: Detailed steps for mounting the PTZ camera.** This image illustrates rotating the base, determining screw hole locations, drilling holes, inserting the base, and securing the camera.

1. **Rotate and Remove Base:** Rotate the camera base to align with the arrow and remove it from the tail line.
2. **Determine Mounting Location:** Identify and mark the desired location for the mounting screw holes on the ceiling or wall.
3. **Drill Holes:** Drill holes at the marked positions and insert the expansion screws.
4. **Insert Base:** Insert the camera base into the tail line and lift it into position.
5. **Secure Camera:** Insert the screws into the expansion screws to firmly secure the camera.

### 3.2 Network and Software Setup

Connect your camera to the network and set up the monitoring software:



**Figure 3.2: Steps for setting up the camera using the CamHiPro app.** This image shows downloading the app, powering on the camera, connecting the network cable, configuring Wi-Fi settings, and remote viewing.

1. **Download CamHiPro APP:** Scan the QR code in the quick operation guide or search for "CamHiPro" in your mobile app store (Google Play or Apple App Store).
2. **Power On and Connect:** Power on the camera and connect it to your network router using the provided Ethernet cable.
3. **Wi-Fi Settings:** Follow the in-app instructions to configure Wi-Fi settings for wireless operation.
4. **Remote Watch:** Once configured, you can monitor your camera anytime, anywhere via the app.

### 3.3 Pairing with NVR (Network Video Recorder)

If you are using an NVR system, follow these steps to pair your camera:

**Video 3.1: Manual Camera Addition to NVR.** This video demonstrates the process of manually adding a camera to an NVR system, including powering on the devices, resetting the camera, and searching for it on the NVR interface.

1. **Power On NVR and Camera:** Ensure both your NVR and the camera are powered on.
2. **Reset Camera:** Long press the reset button on the camera until you hear a sound indicating a successful reset.
3. **Search for Cameras on NVR:** On your NVR interface, navigate to the camera setup or add device section and initiate a search for new cameras.
4. **Confirm Pairing:** Once the camera is detected and a "Wireless connection is successful" sound is heard, confirm the pairing on the NVR.

## 4. Operating Instructions

### 4.1 Pan, Tilt, and Zoom (PTZ) Control

Control the camera's viewing angle and zoom level remotely:



**4X**  
Optical Zoom

2.8-12mm 4X Optical  
zoom auto focus lens

**Figure 4.1: Remote PTZ and 4X Optical Zoom.** This image demonstrates the camera's 355° horizontal rotation and 90° vertical pan, along with its 4X optical zoom capability, controllable via a smartphone app.

- **Pan:** Rotate the camera horizontally up to 355°.
- **Tilt:** Adjust the camera vertically up to 90°.
- **Zoom:** Utilize the 4X optical zoom lens (2.8-12MM) for detailed views.
- **Control:** All PTZ functions are easily operable through the mobile application or PC client.

## 4.2 Night Vision

The camera provides clear surveillance even in low-light conditions:



**Figure 4.2: Day and Night Vision Comparison.** This image illustrates the camera's ability to provide 24-hour surveillance with clear day vision and effective 20m night vision using LED arrays.

- **Automatic Switching:** The camera automatically switches between day and night vision modes based on ambient light.
- **Enhanced Night Vision:** Equipped with two LED arrays, extending night vision range up to 65.6 feet (20 meters) in complete darkness.

### 4.3 Motion Detection and Alarm

Stay informed of any detected activity:

- **Adjustable Sensitivity:** Motion detection area and alarm sensitivity can be customized via the app.
- **Instant Notifications:** Upon motion detection, the camera sends notifications to your mobile phone and video clips to your email.
- **Alarm Siren:** The camera supports an alarm siren feature for deterrence.

### 4.4 Two-Way Audio

Communicate through the camera:

- **Built-in Microphone:** Captures audio from the camera's vicinity.

- **Speaker Support:** Connect an external speaker for two-way communication.

## 4.5 Recording and Storage

Manage your video recordings:

- **SD Card Support:** Supports up to 128GB SD card (not included) for local storage.
- **Smart H.265 Video Coding:** Efficient compression allows for up to 15 days of 24-hour recording on a 128GB card.
- **Remote Playback:** View recorded videos on your PC client, mobile app, or web browser.

## 5. Maintenance

- **Regular Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the manufacturer's website or app for available firmware updates to ensure optimal performance and security.
- **Power Supply Check:** Ensure the power adapter and cables are securely connected and free from damage.
- **Network Connectivity:** Verify stable network connection (wired or Wi-Fi) for uninterrupted monitoring.

## 6. Troubleshooting

If you encounter issues with your camera, refer to the following common solutions:

Problem	Possible Cause	Solution
Camera not powering on	Power adapter disconnected or faulty.	Check power connections; try a different power outlet or adapter.
Unable to connect to Wi-Fi	Incorrect Wi-Fi password; camera too far from router; network interference.	Verify Wi-Fi password; move camera closer to router; reset camera and reconfigure.
No video feed	Network issue; camera offline; software glitch.	Check network connection; reboot camera and router; restart monitoring app/software.
Motion detection not working	Detection area not set; sensitivity too low; schedule not configured.	Adjust motion detection settings in the app/software; ensure schedule is active.
Poor night vision quality	Obstruction in front of lens; insufficient ambient IR light.	Clear any obstructions; ensure IR LEDs are not blocked; consider additional IR illuminators if needed.

## 7. Specifications

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Feature	Detail
Effective Video Resolution	5 MP (1920*1080p@20fps)
Lens	2.8-12MM 4X Optical Zoom Lens
Pan/Tilt Range	355° Horizontal, 90° Vertical
Night Vision	Up to 65.6 feet (20 meters) with two LED arrays
Storage	128GB Max SD card support (H.265 coding)
Connectivity	Wireless (Wi-Fi) and Wired (Ethernet)
Audio	2-Way Audio (Built-in Mic, external speaker support)
Weatherproof Rating	IP66
Motion Detection	Adjustable area and sensitivity, alarm siren
Power	12 Volts, 24 Watts
Dimensions	5.91 x 5.91 x 5.91 inches
Weight	2.27 Pounds

## 8. Warranty and Support

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Your YoLuKe P1-4X-2.5 PTZ Dome IP Security Camera is backed by a **Full Year Warranty** from the date of purchase. For any questions regarding installation, technical support, or warranty claims, please contact our support team via Amazon or through the contact information provided in your quick operation guide. We are always here to help.

For additional support and resources, please refer to the official YoLuKe store on Amazon: [Visit YoLuKe Store](#)