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JideTech P10

JideTech P10 4K 8MP PTZ Camera Outdoor Instruction Manual

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your JideTech P10 4K 8MP PTZ Camera. Designed for outdoor surveillance, this camera features 4K 8MP resolution, 200x hybrid zoom, advanced AI detection, and robust weather resistance. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

Package Contents

Verify that all items listed below are included in your package:

- 1 x JideTech P10 POE PTZ Security Camera
- 1 x 1-meter Network Cable
- 1 x Power Adapter
- 1 x Screw Pack for Installation
- 1 x Instruction Manual



Image: Contents of the JideTech P10 PTZ Camera package.

Product Overview

The JideTech P10 is an advanced outdoor PTZ (Pan-Tilt-Zoom) security camera designed for comprehensive surveillance. Key features include:

- **8MP Ultra HD & 200x Hybrid Zoom:** Captures 4K 8MP video at 20fps with a 4.7-84.6mm motorized zoom lens, offering 20x optical and 10x digital zoom for a total of 200x hybrid zoom.
- **Pan 360° Tilt 90°:** High-precision dual-axis pan/tilt mechanism allows for 360° horizontal rotation and 90° vertical tilt at speeds up to 90°/s.
- **3 Mode Night Vision:** Features 4 infrared lights, 2 laser lights, and 4 white lights for full-color, infrared, or laser night vision up to 492 feet (150 meters) in complete darkness.
- **AI Detection & Auto Tracking:** Equipped with AI human/vehicle detection and auto-tracking capabilities, supporting intelligent deployment modes like boundary crossing, area entry/exit, and intrusion detection.
- **High Compatibility & PoE:** Supports Power over Ethernet (PoE) for simplified installation with a single network cable for power and data. Compatible with RTSP, RTMP, Onvif2.4, and various NVRs and third-party software (e.g., Blue Iris, iSpy).
- **Two-way Audio & IP66 Waterproof:** Integrated microphone and speaker enable remote real-time intercom. The all-aluminum casing provides IP66 weather protection for stable operation in extreme climates.



Image: Front view of the JideTech P10 PTZ Camera.

Setup

1. Physical Installation

The JideTech P10 camera is designed for wall mounting. Choose a suitable outdoor location that provides the desired surveillance coverage and is within reach of your network cable for PoE connection.

1. **Mounting Location:** Select a sturdy wall or surface capable of supporting the camera's weight. Ensure there is clear line of sight to the areas you wish to monitor.
2. **Drill Holes:** Use the provided mounting template (if available) or the camera's base to mark and drill pilot holes for the mounting screws.
3. **Secure Camera:** Attach the camera's mounting bracket to the wall using the supplied screws and anchors. Ensure it is firmly secured.
4. **Cable Management:** Route the network cable through the designated opening in the mounting bracket or camera body to protect it from weather and tampering.



Image: JideTech P10 PTZ Camera with mounting bracket.

2. Power and Network Connection (PoE)

The P10 camera supports Power over Ethernet (PoE), simplifying installation by delivering both power and data through a single Ethernet cable.

1. **Connect Ethernet Cable:** Plug one end of the Ethernet cable into the camera's PoE port.
2. **Connect to PoE Device:** Connect the other end of the Ethernet cable to a PoE-enabled switch, NVR, or PoE injector.
3. **Power On:** Ensure your PoE device is powered on. The camera will automatically power up and connect to the network.
4. **Alternative Power (if not using PoE):** If PoE is not available, connect the included power adapter to the camera's power input and plug it into a standard electrical outlet. Then, connect the Ethernet cable to a non-PoE network switch or router.

3. Initial Software Setup

After physical installation and connection, configure the camera using the recommended software or NVR.

- **Download App:** Download the recommended mobile application (e.g., Videolink or AC18pro) from your device's app store.
- **Add Device:** Open the app, create an account if necessary, and follow the on-screen instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its device ID.
- **NVR/Software Integration:** For NVR or third-party software integration (e.g., Blue Iris, iSpy), refer to the specific software's instructions for adding an Onvif-compatible IP camera. You will need the camera's IP address, username, and password.
- **Change Default Password:** For security, it is highly recommended to change the default password immediately after initial setup.

Operating Instructions

1. Pan, Tilt, and Zoom Control

Control the camera's movement and zoom through the mobile app or integrated NVR/software interface.

- **Pan (Horizontal):** Rotate the camera horizontally up to 360°.
- **Tilt (Vertical):** Adjust the camera's vertical angle up to 90°.
- **Zoom:** Use the zoom controls to adjust the 20x optical zoom and 10x digital zoom for a combined 200x hybrid zoom.
- **Preset Positions:** Set and recall up to 128 preset positions for quick navigation to specific areas.
- **Cruise Paths:** Configure up to 8 cruise paths for automated patrolling between preset positions.

2. Night Vision Modes

The camera offers three night vision modes for optimal visibility in various lighting conditions:

- **Full-Color Night Vision:** Utilizes white lights to provide color images in low-light conditions.
- **Infrared Night Vision:** Uses infrared LEDs for black and white images in complete darkness, with a range up to 492 feet.
- **Laser Night Vision:** Engages laser lights for enhanced long-range infrared illumination.
- Switch between modes manually via the app or set to automatic based on ambient light.

3. AI Detection and Auto Tracking

Leverage the camera's intelligent detection features for enhanced security:

- **Human/Vehicle Detection:** Configure the camera to distinguish between human and vehicle movement, reducing false alarms.

- **Auto Tracking:** When a detected object (human or vehicle) enters the surveillance area, the camera can automatically track its movement.
- **Intelligent Deployment Modes:** Set up specific detection rules such as crossing a boundary line, entering or exiting a defined area, or intrusion detection.
- **Alarms:** Configure the system to trigger alarms, send push notifications to your mobile device, or record footage upon detection of abnormal events.

4. Two-Way Audio

The built-in microphone and speaker allow for real-time two-way communication.

- **Remote Intercom:** Use the mobile app to speak through the camera's speaker and listen to audio from the camera's microphone.
- **Monitoring:** Listen to ambient sounds in the camera's vicinity.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your JideTech P10 camera.

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners that could scratch the lens.
- **Firmware Updates:** Check the manufacturer's website or app for available firmware updates. Keeping the firmware updated ensures access to the latest features and security patches.
- **Cable Inspection:** Regularly inspect all cables for signs of wear, damage, or corrosion, especially in outdoor environments.
- **Environmental Protection:** The camera has an IP66 waterproof rating, protecting it from dust and strong jets of water. However, avoid submerging the camera or exposing it to extreme pressure washing.

Troubleshooting

If you encounter issues with your JideTech P10 camera, refer to the following common troubleshooting steps:

- **No Power/No Image:**
  - Ensure the PoE switch/injector is powered on and functioning correctly.
  - Check the Ethernet cable connection at both ends. Try a different cable if necessary.
  - If using the power adapter, ensure it is securely plugged into a working outlet.
- **Cannot Connect to Network/App:**
  - Verify your network connection is active and stable.
  - Ensure the camera's IP address is correct and not conflicting with other devices.
  - Restart the camera, router, and PoE switch.
  - Confirm the app is updated to the latest version.
- **Poor Image Quality:**
  - Clean the camera lens to remove dirt or smudges.
  - Adjust the focus settings via the app or NVR.
  - Check network bandwidth if streaming is choppy.
  - Ensure night vision mode is appropriate for current lighting conditions.

- **Motion Detection Not Working/False Alarms:**
  - Adjust the detection sensitivity settings in the app.
  - Configure detection zones to exclude areas with constant, irrelevant movement (e.g., swaying trees).
  - Ensure AI human/vehicle detection is enabled if desired.
- **PTZ Control Unresponsive:**
  - Check network connectivity.
  - Restart the camera.
  - Ensure no physical obstructions are impeding movement.

Specifications

Detailed technical specifications for the JideTech P10 PTZ Camera:

Model Name	P10-200X-8MP
Effective Still Resolution	8 MP
Video Capture Resolution	4K (3840 x 2160)
Frame Rate	20 fps
Optical Zoom	20x
Digital Zoom	10x
Hybrid Zoom	200x
Viewing Angle	360 Degrees (Pan)
Pan Range	360°
Tilt Range	90°
Night Vision Range	492 Feet (150 meters)
Night Vision Type	Full Color, Infrared, Laser
Connectivity Technology	Wired (Ethernet, PoE)
Power Source	Corded Electric (PoE or Power Adapter)
Audio	Two-way Audio (Built-in Microphone & Speaker)
Waterproof Rating	IP66
Enclosure Material	Aluminum
Control Method	App, NVR, Third-party Software
Compatible Devices	Desktop, NVRs, Blue Iris, iSpy, NAS Storage

Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official JideTech website or contact their customer support directly. Keep your purchase receipt as proof of purchase for warranty claims.

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