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VIKVIZ PTZ-4818X-IS3

VIKVIZ 4K 8MP PTZ POE IP Camera User Manual

Model: PTZ-4818X-IS3 | Brand: VIKVIZ

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your VIKVIZ 4K 8MP PTZ POE IP Camera. Please read this manual thoroughly before using the product to ensure proper and safe operation. Keep this manual for future reference.

2. WHAT'S IN THE Box

- VIKVIZ 4K 8MP PTZ POE IP Camera
- Instruction Manual
- Mounting Screws
- Power Adapter (for non-PoE use)
- Stand

3. PRODUCT FEATURES

- **Ultra 8MP HD & 18X Optical Zoom & 328ft Night Vision:** Captures 3840 x 2160@20fps resolution video with Pan 0° to 360°/Tilt 0° to 90° for wide coverage. The 4.7mm~84.6mm 18X Optical Zoom Lens allows for detailed viewing of distant objects without image degradation. Six infrared LED lights provide clear images in low light or total darkness up to 328 feet.
- **Human Auto-Tracking & Auto Cruise & Scanning Tracking:** Supports Human/Vehicle detection with adjustable detection area and sensitivity to reduce false alarms. The camera automatically tracks detected persons and sends real-time video/snapshots to your mobile phone. Features 1 group of cruise routes with up to 64 preset positions for loop inspection.
- **Easy Remote P2P Control with Two-way Audio:** Built-in microphone and speakers enable two-way audio communication. Easily add the PTZ camera to your mobile phone via Videolink for real-time video, playback, snapshots, and motion alerts. Supports MicroSD card storage up to 512GB.
- **IP66 POE Camera:** Power over Ethernet (PoE) simplifies installation with a single network cable for power and data. High Efficiency Video Coding (H.265+) reduces storage and transmission costs. Certified to IP66 Protection for dust and immersion resistance.
- **High compatibility & On-vif:** Compatible with most third-party NVRs, supporting RTSP and On-vif protocols. Works with Blue Iris, iSpy, Web viewer, and Mobile APP (Videolink, Hik-connect) for remote viewing and alarm notifications.

4. SETUP AND INSTALLATION

For detailed installation instructions, please refer to the provided Installation Manual (PDF) and Instructions for Use (IFU) (PDF).

The camera supports Power over Ethernet (PoE), allowing for simplified installation with a single network cable for both power and data transmission. Alternatively, a 12V DC power adapter can be used if PoE is not available.

Installation Manual: [Download PDF](#)

Instructions for Use: [Download PDF](#)



Figure 1: VIKVIZ 4K 8MP PTZ POE IP Camera, showing its dome design and wall mount.

Choose your connection method

(power over ethernet)



Figure 2: Diagram illustrating various connection methods, including direct connection to a PoE NVR or a PoE switch, and connection via a router with a 12V DC power supply.

5. OPERATION

5.1 Pan, Tilt, and Optical Zoom (PTZ)

The camera features Pan (0° to 360°), Tilt (0° to 90°), and 18X Optical Zoom capabilities, allowing for comprehensive coverage and detailed viewing. Control these functions via the mobile application or compatible NVR software.

18X Digital Zoom

18X Optical Zoom + 30X Digital Zoom



Figure 3: Demonstrates the 18X optical zoom capability, showing clear magnification from a wide view to a detailed close-up of a car.

High Compatible

Plug & play

4.7-84.6mm Lens

8MP Night Vision IP POE PTZ Camera (18XZoom/30XDigital Zoom)



8MP 4K Ultra HD

4096*1944 Crystal clear video quality



Built-in Microphone

Capture environment sound, don't miss any details



Human Auto Tracking

Plug & play
4.7-84.6mm Lens



Accurately Human Vehicle Detection

Will not be affected by leaves and shadow send email



IP66 Protection

Protect against harsh environments



Advanced H.2.6.5+

Reduce bit rate and storage requirements by up to 75%



P2P Mobile online Viewing

Download Videolink APP for remote access no matter where you are



STORAGE

MicroSD (Up to 512GB)
Local PC-NAS-FTP-NVR

Figure 4: Highlights the 8MP resolution, night vision, and PTZ (Pan 360°, Tilt 90°) features of the camera.

5.2 Human Auto-Tracking and Detection

The camera can automatically detect and track human and vehicle movement within its field of view. You can configure detection areas and sensitivity settings to minimize false alarms. When a person or vehicle is detected, the camera can automatically track them and send real-time alerts.

Smart Motion detection

Human and Vehicle Detection and Alarm Push Timely



Figure 5: Illustrates the human auto-tracking function, showing the camera automatically following a person in motion.

2-Way Audio - Making Dialogue Easier

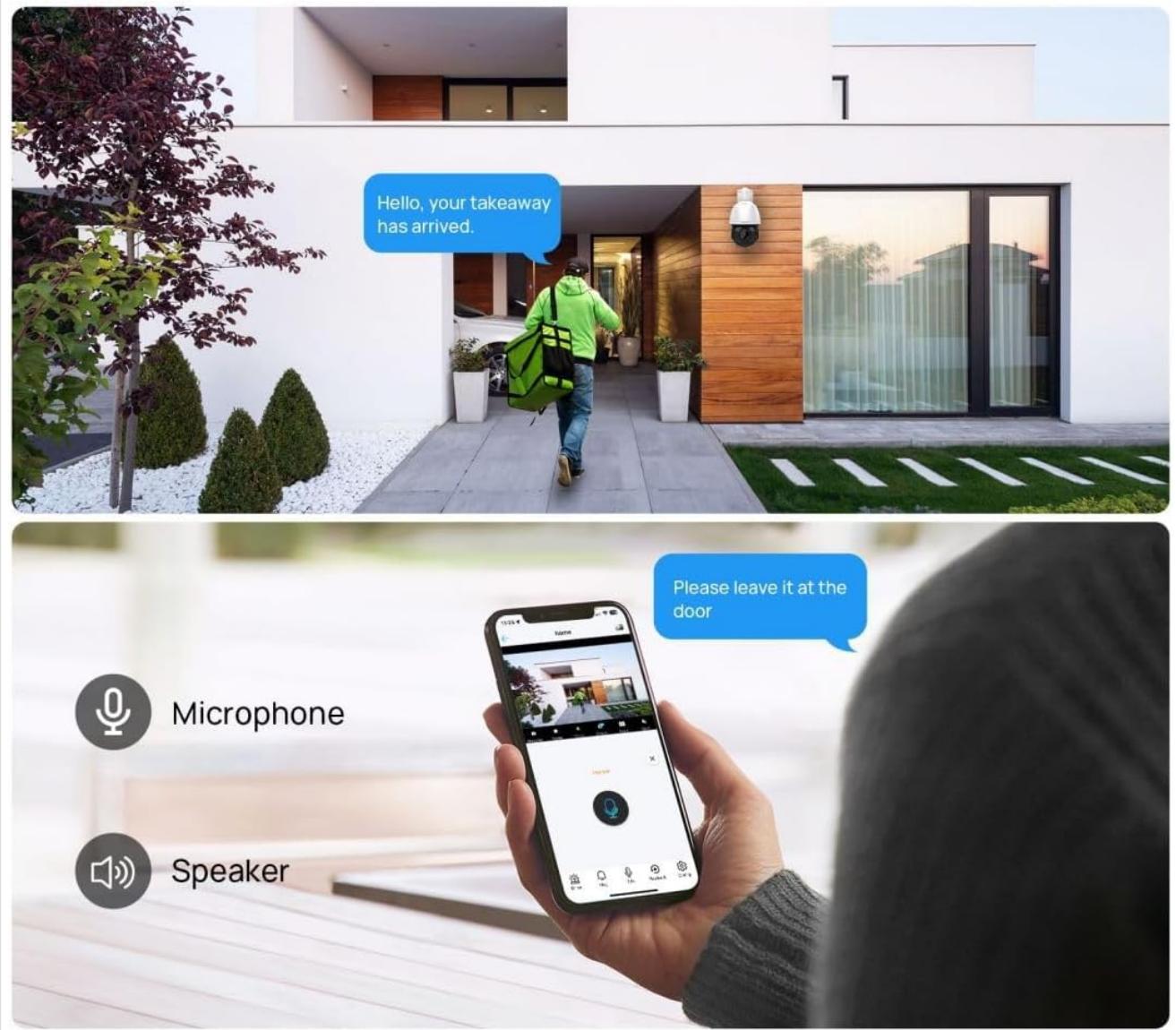
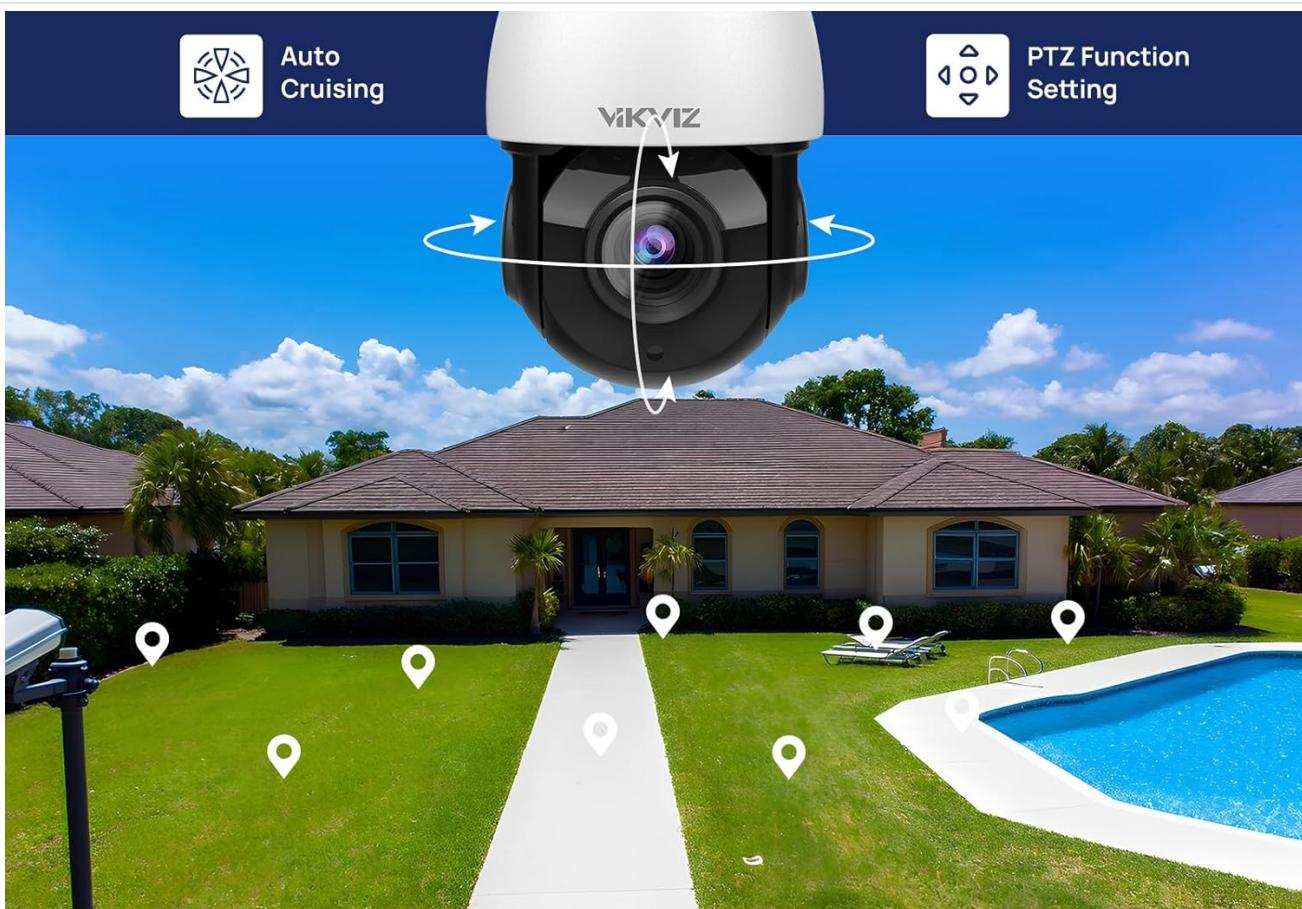


Figure 6: Depicts the smart motion detection feature, highlighting the camera's ability to distinguish and detect both human and vehicle movement, triggering alerts.

Video 1: Demonstrates how to set up motion detection and human body detection features on the camera's web interface, including sensitivity adjustments and alarm triggers.

5.3 Two-Way Audio

The integrated microphone and speaker allow for real-time two-way communication. This feature is useful for interacting with visitors or deterring intruders.



PTZ Function Setting

Function	Command
1 Patrol Route (1-64)	Enable: 80+call, Disable:81+call/Manual Operation
guardian position	enable:70+call, disable:71+call
guardian position Return time	72+call+N+add (N:1-255S, default 15S)
human tracking	enable:110+call, disable(default):111+call



Figure 7: Illustrates the two-way audio functionality, showing a person speaking through the camera and another person responding via a mobile device.

5.4 Night Vision

Equipped with 6 infrared LED lights, the camera provides clear night vision up to 328 feet, ensuring continuous monitoring even in complete darkness.

5.5 Storage and Compatibility

The camera supports local storage via a MicroSD card up to 512GB (not included). It is highly compatible with various third-party NVRs and software, including Blue Iris, iSpy, Videolink, and Hik-connect, through RTSP and Onvif protocols.



Bandwidth Consumption



70%



Bandwidth Consumption



H.264

H.265+

Multiple Recording Options (No Extra Fees)

Supports up to
512GB
Micro SD card (not included)

Work with
POE NVR

Work with
FTP



Figure 8: Shows the camera's support for up to 512GB MicroSD card storage, compatibility with PoE NVRs, and FTP for recording options.

6. PRODUCT SPECIFICATIONS

Feature	Specification
Model Name	VZ-PTZ-4818X-IS3
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	4K (3840x2160)
Effective Still Resolution	8 MP

Feature	Specification
Optical Zoom	18 x
Night Vision Range	328 Feet
Connectivity Technology	Ethernet (PoE)
Wireless Communication Technology	on_vif
Power Source	Corded Electric (12V DC)
Material	Metal
International Protection Rating	IP66
Flash Memory Supported Size Maximum	512 GB
Audio Visual Recording Capabilities	Audio
Item Dimensions L x W x H	8.6 x 5.74 x 8.26 inches
Item Weight	4.22 pounds

7. TROUBLESHOOTING

If you encounter issues with your VIKVIZ PTZ IP Camera, please consider the following common troubleshooting steps:

- No Power:** Ensure the PoE connection is active or the 12V DC power adapter is securely connected and receiving power.
- No Video/Offline:** Check network cable connections. Verify network settings (IP address, gateway, DNS) are correct. Ensure the camera is properly added to your NVR or mobile application.
- Motion Detection Not Triggering:** Review the motion detection settings in the camera's web interface. Adjust sensitivity and detection areas. Ensure 'Intelligent Detect' is disabled if 'Motion Detect' is enabled, as per the video instructions.
- PTZ Control Issues:** Verify network connectivity. Ensure the control software/app is up to date. Check for any physical obstructions to the camera's movement.
- Poor Image Quality:** Clean the camera lens. Check for proper lighting conditions. Adjust image settings (brightness, contrast, sharpness) in the camera's configuration.

For more detailed troubleshooting, refer to the comprehensive Instructions for Use (IFU) PDF provided with your product.

8. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your camera:

- Cleaning:** Gently wipe the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Firmware Updates:** Periodically check the VIKVIZ official website or contact support for available firmware updates to enhance performance and security.
- Cable Inspection:** Regularly inspect all cables for any signs of wear, damage, or corrosion, especially for

outdoor installations.

- **Environmental Checks:** Ensure the camera's mounting remains secure and free from obstructions. Clear any debris or vegetation that might block the view or interfere with PTZ movement.

9. WARRANTY AND SUPPORT

VIKVIZ provides a 2-year manufacturer maintenance warranty and lifetime technical support for each customer. For any inquiries or assistance, please visit the official VIKVIZ store or contact their customer service.

VIKVIZ Store: [Visit Here](#)

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Related Documents - PTZ-4818X-IS3

	<p><u>VIKVIZ PTZ IP Camera: Web Interface and PTZ Function Guide</u></p> <p>This guide explains how to access the VIKVIZ PTZ IP camera's web interface, log in, and utilize its Pan-Tilt-Zoom (PTZ) functions, including setting guard positions and enabling auto-tracking. It also provides a comprehensive table of PTZ commands.</p>
	<p><u>VIKVIZ Network Camera User Manual: Setup, Configuration, and Troubleshooting</u></p> <p>A comprehensive user manual for VIKVIZ Network Cameras, detailing device discovery using SADP and AjDevTools, network configuration, integration with Hikvision and Dahua NVRs, mobile app setup, and common FAQs. Includes step-by-step instructions and visual guides.</p>
	<p><u>VIKVIZ Camera Network Settings and Configuration Guide</u></p> <p>A comprehensive guide to setting up VIKVIZ IP cameras on your network. Learn how to use tools like AjDevTools and SADP to find, connect, and configure camera IP addresses, subnet masks, and gateways for optimal network performance.</p>



USER GUIDE

IRIS130
Rugged Night Vision Pan Tilt Zoom Camera

[IRIS130 Rugged Night Vision Pan Tilt Zoom Camera User Guide](#)

Comprehensive user guide for the IRIS130 Rugged Night Vision Pan Tilt Zoom Camera, covering installation, operation, features, technical specifications, and troubleshooting.