

ZHXINSD PTZ4MSO

ZHXINSD PTZ4MSO Solar Powered Wireless Outdoor Security Camera System User Manual

Model: PTZ4MSO | Brand: ZHXINSD

1. INTRODUCTION

Welcome to your new ZHXINSD PTZ4MSO Solar Powered Wireless Outdoor Security Camera System. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the product.

2. PRODUCT OVERVIEW

The ZHXINSD PTZ4MSO is a versatile outdoor security camera system designed for comprehensive surveillance. It features solar power for continuous operation, pan-tilt functionality for 360-degree coverage, 2K resolution with color night vision, two-way audio, and intelligent motion detection.

Key Features

- **Solar-Powered:** Utilizes solar panels for continuous power, ensuring 100% wireless operation without external wiring.
- **Pan-Tilt-Zoom (PTZ) Functionality:** Offers pan, tilt, and 2K night vision capabilities, capturing clear details up to 40 feet in low light.
- **Intelligent Motion Detection:** Features a highly sensitive PIR motion sensor for smart human/vehicle detection and instant alerts. Supports local recording to a micro SD card (up to 128GB, not included).
- **Easy Installation & Weatherproof:** Designed for simple indoor/outdoor installation with IP65 weatherproof certification. Quick setup via QR code scan with the dedicated app.
- **Secure Storage & Two-Way Audio:** Supports local SD card storage (up to 128GB, not included) for video playback. Includes two-way audio for communication.

Real Wire-Free PTZ Security Camera System

Non Stop Power, Power by Solar Panel Battery



An image showing the ZHXINSD PTZ4MSO wireless outdoor security camera connected to its solar panel, ready for installation.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- ZHXINSD PTZ4MSO Security Camera(s)
- Solar Panel(s)
- Mounting Brackets and Screws
- Power Adapter (for NVR, if applicable)
- USB Cable (for camera charging/setup)
- User Manual (this document)
- Warning Stickers
- NVR (Network Video Recorder) (if part of a system)
- Mouse (for NVR)

Video demonstrating the physical components of the ZHXINSD PTZ solar powered security camera system, including the camera, solar panel, and accessories.

4. SETUP

4.1 Initial Camera Power-Up and Reset

Before installation, ensure the camera is powered on and reset if necessary.

1. To power up the camera, hold the "on/off" button for 3 seconds. You will hear an audible confirmation.
2. To reset the camera to factory settings, hold the "Reset" button for 3 seconds. The camera will announce "Restore factory settings, the camera will restart automatically."

Instructional video showing how to power up, reset, and pair a new ZHXINSD camera with the NVR system, including on-screen menu navigation.

4.2 NVR System Setup

Follow these steps to connect your cameras to the NVR system:

1. Connect the NVR to a monitor and power source.
2. Navigate to the "Camera Setup" menu on the NVR interface.
3. Power on all cameras within 1 meter of the NVR.
4. The NVR will search for and list available cameras. Wait until all cameras are listed.
5. Once all cameras are found and connected, proceed to view the live feed.

4.3 Physical Installation

Choose a suitable outdoor location for your camera and solar panel.

- Mount the camera securely using the provided brackets and screws. Ensure a clear line of sight for surveillance.
- Position the solar panel in an area that receives maximum direct sunlight throughout the day to ensure continuous charging.
- Connect the solar panel to the camera.
- The camera is IP65 waterproof, suitable for various weather conditions.

IP66 Waterproof

Suit for Most Weather and Outdoor Indoor Use



The ZHXINSD PTZ4MSO camera with water droplets on its surface, illustrating its IP65 waterproof design suitable for outdoor use in various weather conditions.

5. OPERATING INSTRUCTIONS

5.1 Mobile App Access

Download the dedicated mobile application (refer to the quick start guide for app name and QR code) to access live view, recordings, and settings from your smartphone.

5.2 Live View and Playback

Access the live feed from your cameras via the NVR monitor or mobile app. Recorded events can be played back from the local SD card storage.

Ultr 2K HD & Color Night Vision

Provide Super HD Pictures even at Night



A smartphone screen showing the clear 2K color night vision feed from the camera, capturing a sleeping child in a dark room.

5.3 Pan, Tilt, and Zoom Control

Use the NVR interface or mobile app to remotely control the camera's pan and tilt functions for a 360-degree view. The camera supports optical zoom for detailed viewing.

5.4 Two-Way Audio

Utilize the two-way audio feature through the mobile app to communicate with visitors or deter intruders.

Two Way Audio Function

See and Talk With Your Visitors Through Your Phone



Wait a Scerends, Please

Hi



An illustration of the two-way audio function, showing a person at a door speaking to someone viewing and responding via a smartphone app.

5.5 Night Vision

The camera automatically switches to 2K color night vision in low-light conditions, providing clear images up to 40 feet.

5.6 Motion Detection and Alerts

The intelligent PIR motion sensor detects human and vehicle movement, sending instant alerts to your connected devices. Customize alert settings and recording modes via the NVR or app.

Smart PIR Sensor

When the Motion Dete
You will Receive the Alarm in Seconds



*Free



Easyview cloud

A minute ago

Mobile Alarm

Object movement detected (17:28)



A smartphone screen displaying a motion detection alert from the camera, highlighting a person walking a dog, indicating intelligent human/vehicle detection.

6. MAINTENANCE

- Regularly clean the camera lens and solar panel to ensure optimal performance. Use a soft, damp cloth.
- Check the solar panel for any obstructions (e.g., leaves, dirt) that might reduce charging efficiency.
- Periodically inspect mounting hardware for security and adjust as needed.
- Ensure the camera's software is up to date through the mobile app or NVR settings for the latest features and security patches.

7. TROUBLESHOOTING

7.1 No Power / Camera Not Turning On

- Ensure the solar panel is receiving adequate sunlight.
- Check the connection between the solar panel and the camera.
- Verify the camera's internal battery charge level via the app.
- Try resetting the camera by holding the "Reset" button for 3 seconds.

7.2 No Video Feed / Offline Camera

- Check the wireless connection between the camera and the NVR/router.
- Ensure the NVR is powered on and connected to a monitor.
- Re-pair the camera with the NVR if necessary (refer to NVR System Setup).
- Verify your Wi-Fi network is operational and within range.

7.3 Poor Image Quality

- Clean the camera lens.
- Ensure there are no obstructions in the camera's field of view.
- Check network signal strength; a weak signal can affect streaming quality.

7.4 Motion Detection Not Working

- Verify motion detection settings are enabled in the app/NVR.
- Adjust sensitivity settings if false alarms or missed detections occur.
- Ensure the camera's view is clear of moving objects that are not intended for detection (e.g., tree branches).

8. SPECIFICATIONS

Feature	Detail
Recommended Uses For Product	Outdoor Security
Brand	ZHXINSD
Connectivity Technology	Wireless
Special Feature	Night Vision, PTZ Technology, Portable

Indoor/Outdoor Usage	Outdoor
Compatible Devices	Smartphone
Controller Type	Android
Mount Type	Wall Mount
Form Factor	Dome
Alert Type	Motion Only
Room Type	Hallway, Living Room, Study Room
Waterproof Rating	IP65
Control Method	Remote
Power Source	Solar Powered
Are Batteries Required	Yes
Video Capture Resolution	2K
Zoom Type	Optical Zoom
Item Dimensions	7 x 5 x 8 inches
Item Weight	0.89 Kilograms
Unit Count	1.0 Count
Number of Items	1
Model Number	PTZ4MSO
Manufacturer	ZHXINSD
Connectivity Protocol	Wi-Fi
Wireless Technology	Wi-Fi
Number of Channels	2
Video Capture Format	MPEG-4
Night Vision	Night Color

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This ZHXINSD product comes with a 2-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact ZHXINSD customer support. Refer to the product packaging or the official ZHXINSD website for contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question