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› [ZOSI](#) /

› ZOSI 8CH 2K Wi-Fi 6 Security Camera System User Manual

ZOSI ZSWNVK-J83081-W-US

ZOSI 8CH 2K Wi-Fi 6 Security Camera System User Manual

Model: ZSWNVK-J83081-W-US

Brand: ZOSI

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ZOSI 8CH 2K Wi-Fi 6 Security Camera System. This system is designed to provide comprehensive surveillance for both indoor and outdoor environments, featuring high-resolution video, advanced AI detection, and convenient remote access.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- NVR (Network Video Recorder)
- Cameras (8x 3MP Wi-Fi Cameras)
- Hard Drive (2TB pre-installed)
- Accessories (NVR Power Supply, Camera Power Adapters, Ethernet Cable, HDMI Cable, USB 2.0 Mouse, Waterproof Lids, Mounting Screws, Mounting Templates, Quick Start Guide, Warning Stickers)

Package Contents



WiFi Camera



WiFi NVR



NVR Power Supply



Camera Power Adapter



Ethernet Cable



HDMI Cable



USB 2.0 Mouse



Waterproof Lid



Mounting Screws



Mounting Template



Quick Start Guide



Warning Sticker

Figure 2.1: Overview of the ZOSI 8CH 2K Wi-Fi 6 Security Camera System package contents, including the NVR, eight Wi-Fi cameras, and various accessories.

3. SETUP GUIDE

3.1 Initial NVR Setup

1. **Connect NVR to Power:** Plug the NVR power adapter into the NVR and a power outlet.
2. **Connect NVR to Monitor:** Use the included HDMI cable to connect the NVR to a monitor or TV.
3. **Connect NVR to Router (Optional for Remote Access):** For remote viewing and app functionality, connect

the NVR to your router using the provided Ethernet cable.

4. **Connect USB Mouse:** Plug the USB mouse into one of the NVR's USB ports for navigation.



Figure 3.1: Simplified setup steps for the ZOSI system, illustrating NVR connection, camera power, and mobile app integration.

3.2 Camera Installation & Pairing

1. **Power on Cameras:** Connect each camera to its respective power adapter and plug into a power outlet. The cameras are plug-in only and do not operate on battery.
2. **Automatic Pairing:** The cameras will automatically connect wirelessly to the NVR via 2.4GHz Wi-Fi. Wait for the auto-pairing and connection to the NVR.
3. **Optimal Placement:** Position cameras within effective Wi-Fi range of the NVR. The system supports Wi-Fi 6 for enhanced range and stability.

Wi-Fi 6: Enhanced Range Speed & Stability

Only support 2.4GHz WiFi



Figure 3.2: Wi-Fi 6 provides enhanced range, speed, and stability for camera connections to the NVR, supporting 2.4GHz Wi-Fi.

3.3 ZOSI Smart App Setup

1. **Download App:** Download the 'ZOSI Smart App' from your smartphone's app store (iOS/Android).
2. **Add Device:** Follow the in-app instructions to add your NVR system using its Cloud ID.
3. **Live View & Playback:** Once added, you can access live video feeds, review recordings, and manage settings remotely from your smartphone.

4. FEATURES & OPERATION

4.1 Crystal-Clear 2K Video Quality

The 3MP resolution cameras capture sharp and detailed video footage, ensuring clear views of your property day and night. This high-definition quality aids in identifying important details.

Crystal-Clear 2K Quality



Figure 4.1: Example of 2K video clarity, capturing fine details in the surveillance area.

4.2 Dual Night Vision Modes

The cameras offer two night vision modes:

- **Full-Color Night Vision:** Utilizes built-in warm lights to provide full-color footage in low-light conditions.

- **Infrared B&W Night Vision:** Provides clear black and white footage in total darkness, with a range of up to 80 feet.

See the Night in Color

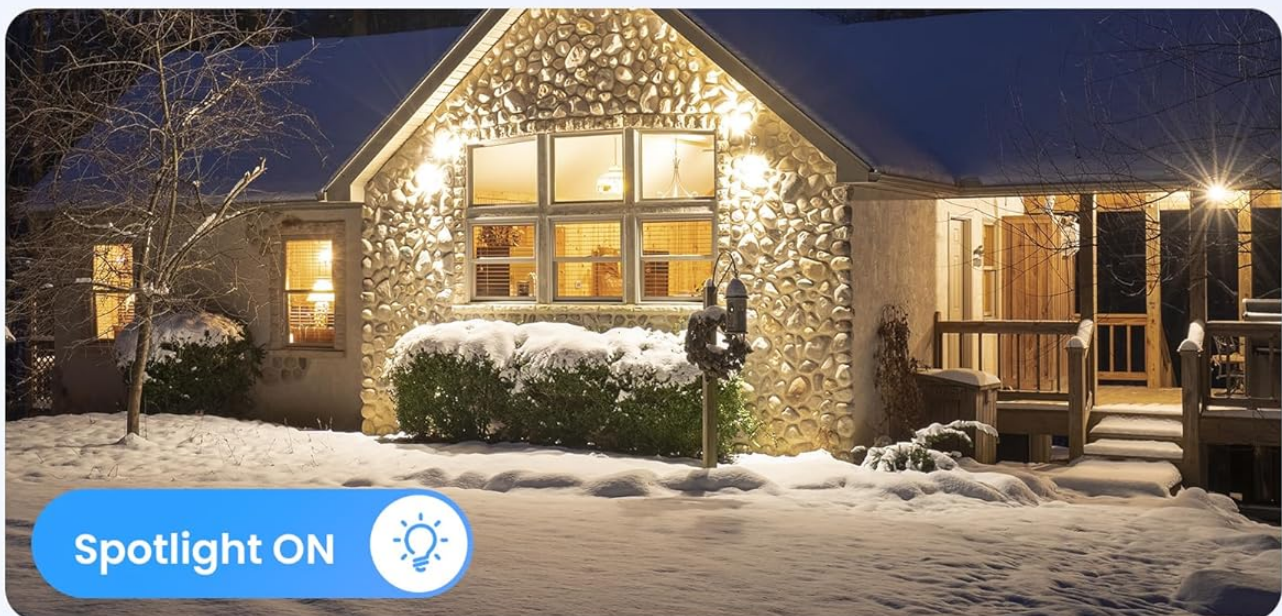
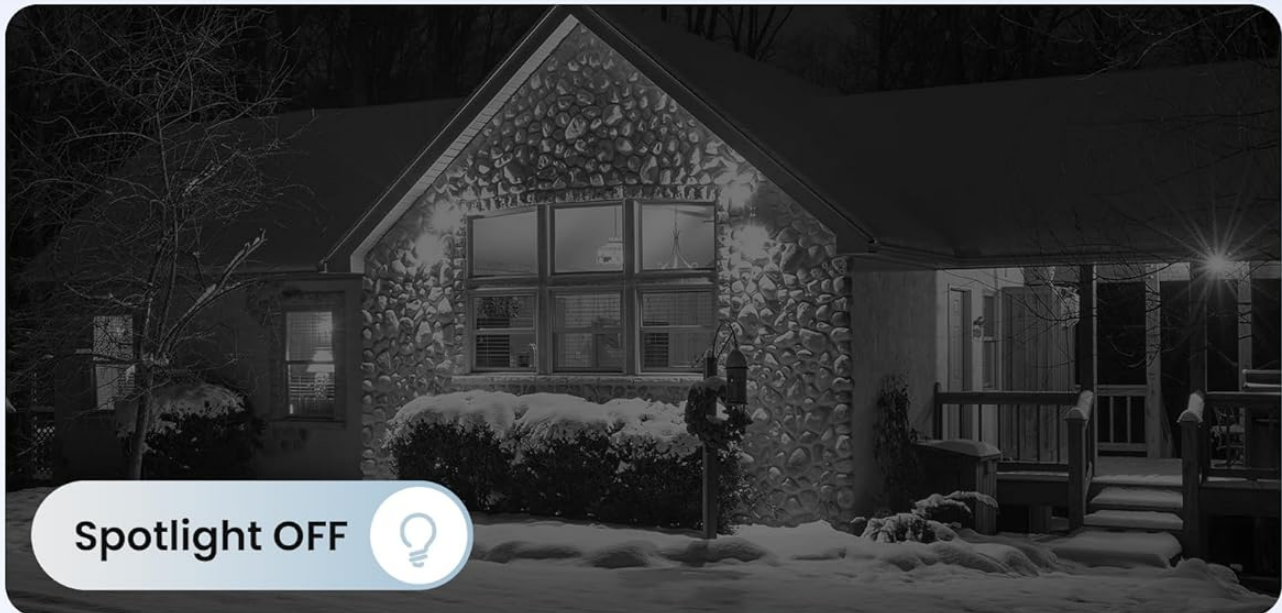


Figure 4.2: Visual comparison of infrared black & white night vision (spotlight off) and full-color night vision (spotlight on).

4.3 Smart Human Detection & Deterrence

Advanced AI analytics accurately distinguish human shapes, reducing false alerts from pets or other moving objects. When human motion is detected, the system can automatically trigger bright spotlights and a loud siren to deter potential threats. Instant mobile alerts are sent to your smartphone.

Person Detect and Deter



Figure 4.3: Smart human detection activates spotlights and siren, sending instant alerts to your mobile device.

4.4 Real-Time Two-Way Audio

With a built-in high-sensitivity microphone and speaker, you can engage in real-time two-way communication through the camera. This allows you to speak with visitors or warn intruders remotely via the ZOSI Smart App.

Hear and Respond via 2-Way Audio



Figure 4.4: Two-way audio enables clear communication through the camera, allowing interaction with visitors or deterrence of unwanted individuals.

4.5 24/7 Local Recording with 2TB HDD

The 8-channel NVR comes with a pre-installed 2TB hard drive, enabling continuous 24/7 recording from up to 8 cameras simultaneously. This provides reliable local storage without any monthly fees. The system automatically overwrites older footage when the hard drive is full, or you can back up important clips via USB.

Centralized Monitoring and Management



Up to
8 Cameras



Up to
8TB HDD



Figure 4.5: Centralized monitoring and management of up to 8 cameras with local storage on the NVR for 24/7 recording.

4.6 All-Weather Metal Housing

The cameras are encased in rust-proof IP66 aluminum housing, designed to withstand various weather conditions including rain, snow, and extreme temperatures. This ensures reliable performance for both outdoor and indoor security applications.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your ZOSI Security Camera System:

- **Clean Camera Lenses:** Periodically wipe camera lenses with a soft, damp cloth to remove dust and smudges that may affect image clarity.
- **Check Connections:** Ensure all power and network cables are securely connected to the NVR and cameras.
- **Firmware Updates:** Check the ZOSI Smart App or ZOSI website for available firmware updates to ensure your system has the latest features and security enhancements.
- **Hard Drive Health:** Monitor the NVR's hard drive health through the system settings to prevent data loss.

6. TROUBLESHOOTING

If you encounter issues with your ZOSI Security Camera System, refer to the following common troubleshooting steps:

- **No Video/Offline Camera:**
 - Ensure the camera is powered on and its power adapter is functioning correctly.
 - Check the Wi-Fi signal strength between the camera and NVR. Relocate the camera closer to the NVR or consider using a Wi-Fi repeater if necessary.
 - Verify that the camera is still paired with the NVR. Re-pair if needed according to the quick start guide.
- **Poor Signal/Intermittent Connection:**
 - Reduce obstacles (walls, large metal objects) between the camera and NVR.
 - Ensure the NVR is connected to a stable 2.4GHz Wi-Fi network.
 - Minimize interference from other 2.4GHz devices.
- **No Remote Access:**
 - Confirm the NVR is connected to your router via Ethernet cable and has internet access.
 - Check your router's internet connection.
 - Ensure the ZOSI Smart App is updated to the latest version.
- **No Recording:**
 - Verify the 2TB hard drive is correctly installed and recognized by the NVR.
 - Check recording schedules in the NVR settings.
 - Ensure there is sufficient space on the hard drive.

7. SPECIFICATIONS

Feature	Specification
Brand	ZOSI
Model Number	ZSWNVK-J83081-W-US
Connectivity Technology	Wi-Fi (2.4GHz)
Video Capture Resolution	3MP (2K)
Number of Channels	8
Memory Storage Capacity	2 TB (Hard Drive)

Feature	Specification
Special Features	Siren Alarm, Audio Recording, Smart Playback, Human Detection, Two-Way Audio
Power Source	Corded Electric
Recommended Uses	Outdoor, Indoor
Night Vision Range	80 Feet
Viewing Angle	90 Degrees
Dimensions (L x W x H)	13.58 x 11.29 x 11.1 inches

8. WARRANTY & SUPPORT

ZOSI is committed to providing reliable products and excellent customer support. For detailed warranty information, please refer to the warranty card included in your package or visit the official ZOSI website.

For further assistance, technical support, or to download the full user manual in PDF format, please visit the ZOSI support page or refer to the provided link:

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