

SZSINOCAM 8-Channel Wireless 1296P HD Security Camera System

SZSINOCAM 8-Channel Wireless 1296P HD Security Camera System User Manual

Model: 8-Channel Wireless 1296P HD Security Camera System
Brand: SZSINOCAM

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SZSINOCAM 8-Channel Wireless 1296P HD Security Camera System. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance. Keep this manual for future reference.

PRODUCT OVERVIEW

The SZSINOCAM wireless security camera system offers advanced surveillance capabilities for both home and business environments. It features an 8-channel NVR (Network Video Recorder) and four 1296P HD cameras, designed for ease of use and reliable performance.

Key Features

- **Wireless Auto-Connection:** The system utilizes wireless technology for automatic connection between cameras and the NVR, eliminating the need for complex network cabling.
- **High Definition Video:** Equipped with 4mm HD lenses and 6 high-quality LEDs, providing 1296P resolution for clear visual experience.
- **Enhanced Night Vision:** Integrated IR-CUT filter automatically activates in low light, offering up to 30 meters of night vision.
- **Motion Detection & Alerts:** Supports motion detection with real-time mobile notifications, email alerts, and snapshot/video recording upon detection. Sensitivity and recording range are adjustable.
- **Multi-Device Connectivity:** Access live video feeds from mobile phones, computers, and tablets via P2P (Point-to-Point) mode, ensuring secure and private viewing.
- **IP66 Weatherproof Cameras:** Cameras feature a high-quality, IP66-rated waterproof and dustproof casing, suitable for both indoor and outdoor installation.
- **H.265 Video Compression:** Utilizes high-performance H.265 video compression technology to optimize storage

usage and improve video quality.

- **Expandable System:** The 8-channel NVR supports up to 8 cameras, allowing for future expansion beyond the initial 4 included cameras.

Package Contents

Verify that all items are present in your package. If any items are missing or damaged, please contact customer support.



Figure 1: Package Contents. This image displays the components included in the box: NVR, 4 cameras, USB mouse, 4 camera antennas, Allen key, mounting kits, 4 power adapters for cameras (12V 1A), user manual, and 1 power adapter for NVR (12V 2A).

- 1 x 8-Channel NVR (Network Video Recorder)
- 4 x 1296P HD Wireless Cameras
- 1 x USB Mouse
- 4 x Camera Antennas
- 1 x Allen Key
- 4 x Mounting Kits (screws and wall plugs)
- 4 x Power Adapters for Cameras (12V 1A)
- 1 x Power Adapter for NVR (12V 2A)
- 1 x User Manual
- *Note: Hard Drive (HDD) is not included and must be purchased separately (supports 1TB to 6TB).*

SETUP GUIDE

Follow these steps to set up your SZSINOCAM security camera system.

1. Hard Drive Installation (Optional but Recommended for Recording)

If you plan to record video, you will need to install a compatible SATA hard drive (1TB to 6TB) into the NVR. Refer to the detailed instructions in the included user manual for opening the NVR and installing the HDD.

2. Initial Connection

1. Connect the NVR to a monitor (VGA or HDMI output) using an appropriate cable.
2. Connect the USB mouse to the NVR.
3. Connect the NVR to your WiFi router using an Ethernet (LAN) cable.
4. Attach the antennas to each camera.
5. Connect the power adapter to the NVR and plug it into a power outlet.
6. Connect the power adapters to each camera and plug them into power outlets.

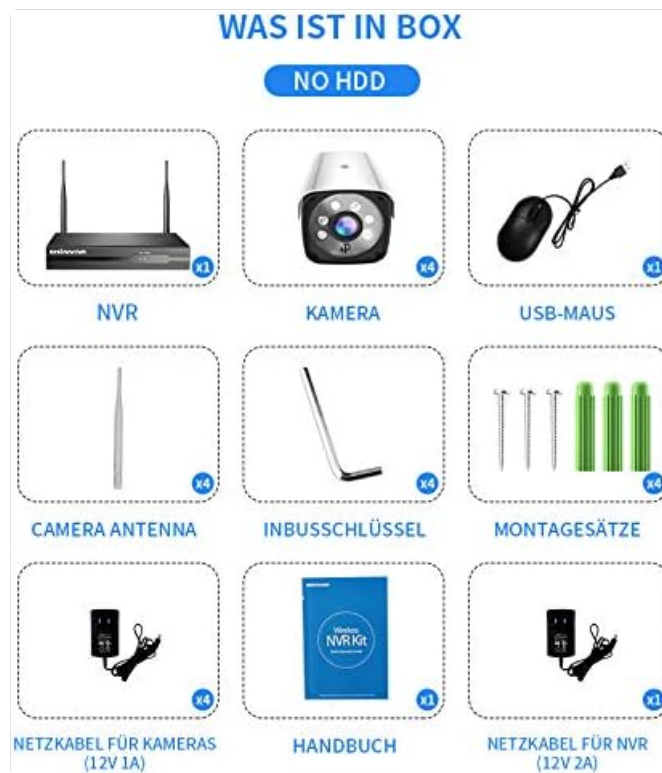


Figure 2: System Connection Diagram. This diagram illustrates how to connect the NVR to cameras, power, a monitor, and a WiFi router for app access.

The cameras are pre-paired with the NVR from the factory. Once powered on, they should automatically connect to the NVR, and you should see the camera feeds on the connected monitor.

3. Camera Placement and Signal Optimization

Before final mounting, test the signal strength of each camera in its intended location. Ensure a strong and stable Wi-Fi connection for optimal performance. The system features an automatic cascading function, where cameras can connect to the NVR via another camera with a stronger signal if direct connection is weak.



Figure 3: Automatic Cascading. This diagram illustrates how cameras can relay signals to the NVR, improving coverage in larger areas.

Mount the cameras using the provided mounting kits. Ensure the cameras are positioned to cover the desired surveillance areas effectively.

4. Mobile App Setup

Download the "Danale" app (or other recommended app by SZSINOCAM) on your mobile device (smartphone or tablet). Register an account and add your NVR device by scanning the Cloud ID or following the in-app instructions. This allows for remote viewing and management.

The diagram illustrates the setup of a wireless NVR system. At the top, four security cameras are shown, each connected to a central NVR unit via a dashed line labeled "kamera". The NVR unit is a black device with two antennas and various ports on the back. It is connected to a "WIFI Router" (a black device with three antennas) via a dashed line. The NVR unit also has two output ports: "Monitor VGA Output" and "TV HDMI Output", each connected to a monitor. Power connections are shown on the right: a "12V1A Netzkabel für Kameras" (power adapter) is connected to a wall outlet, and a "12V 2A Netzkabel für NVR" (power adapter) is connected to the NVR unit. A "WIFI Router" is also connected to the wall outlet. At the bottom right, a smartphone icon is labeled "APP Fernzugriff" (remote access via app).

OPERATING INSTRUCTIONS

Once the system is set up, you can view live feeds on your connected monitor or through the mobile app. The NVR will continuously record footage to the installed hard drive (if present).



Figure 5: Full-Day Recording. This image shows a monitor displaying live feeds from four cameras, indicating continuous recording.

Motion Detection and Alerts

The system supports customizable motion detection zones and sensitivity. When motion is detected, the system can:

- Send real-time notifications to your mobile device.
- Send email alerts with snapshots to a specified email address.
- Record a short video clip (approx. 2 minutes) of the event.

To configure motion detection settings, navigate to the NVR's menu using the USB mouse and connected monitor, or through the mobile app.

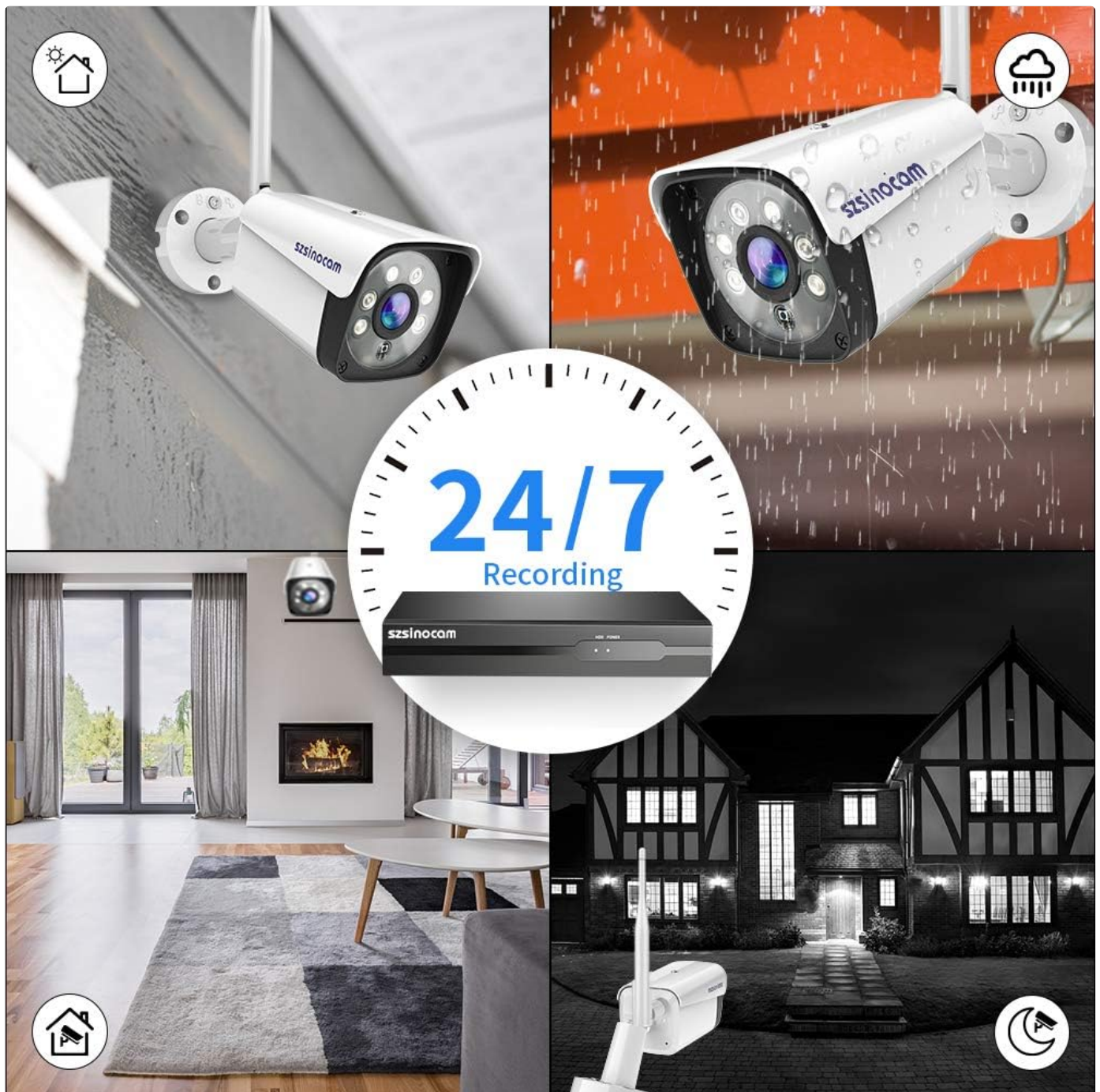


Figure 6: Motion Detection and Alarm Push. This image illustrates how to set up motion detection areas and receive instant messages and email notifications.



Figure 7: Alarm Notification. A smartphone screen displaying an alarm notification, indicating a detected event.

Remote Access

Use the mobile app to view live feeds, playback recorded footage, and manage system settings from anywhere with an

internet connection. The P2P mode ensures secure communication.



Figure 8: Multi-Device Access. This image demonstrates accessing the camera system from various devices like smartphones, tablets, and laptops.

Video Playback and Backup

Access recorded footage through the NVR interface or the mobile app. To back up recordings, connect a USB stick or external hard drive to the NVR and use the backup function in the NVR menu. Note that video files may be in a specific format requiring a compatible player or conversion.

MAINTENANCE

- **Camera Cleaning:** Regularly clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates for the NVR and cameras. Follow the provided instructions carefully for any updates.
- **Hard Drive Management:** If your hard drive becomes full, older recordings will be overwritten automatically. Regularly back up important footage to external storage.
- **Power Supply:** Ensure all power adapters are securely connected and free from damage.
- **Environmental Protection:** While cameras are IP66 rated, avoid direct exposure to extreme weather conditions if possible to prolong their lifespan.

TROUBLESHOOTING

No Video Feed / Offline Cameras

- **Check Power:** Ensure both the NVR and cameras are properly powered on and their power adapters are securely connected.
- **Check Antennas:** Verify that all camera antennas are securely attached.
- **Signal Strength:** Poor Wi-Fi signal can cause cameras to go offline. Try repositioning cameras closer to the NVR or a camera with a stronger signal. Walls and obstacles can interfere with wireless signals.
- **Re-pair Cameras:** If cameras do not reconnect automatically, you may need to manually re-pair them with the NVR. Refer to the full user manual for specific re-pairing instructions.

Poor Image Quality

- **Clean Lens:** Ensure camera lenses are clean and free from dirt, dust, or water spots.
- **Resolution Settings:** Verify that the NVR and camera display settings are configured for 1296P resolution.
- **Lighting:** Ensure adequate lighting for optimal daytime performance. For night vision, ensure no obstructions are blocking the IR LEDs.

Bewegungserkennung und Alarmdruck

Anpassbarer Überwachungsbereich, Sofortnachrichten-Push und E-Mail-Benachrichtigung

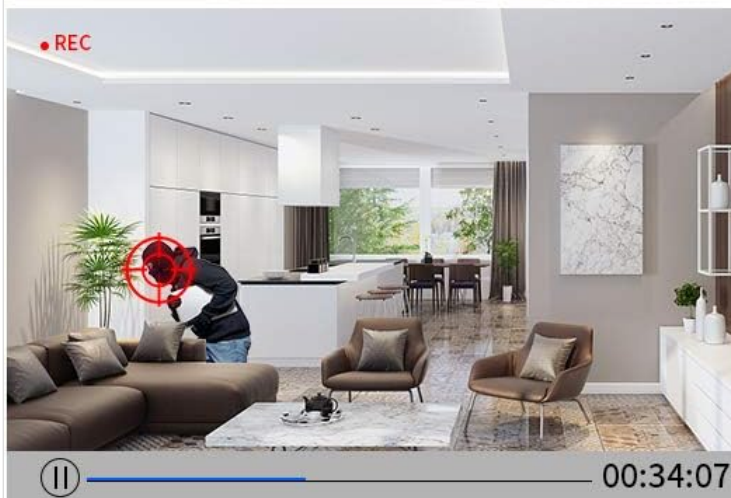
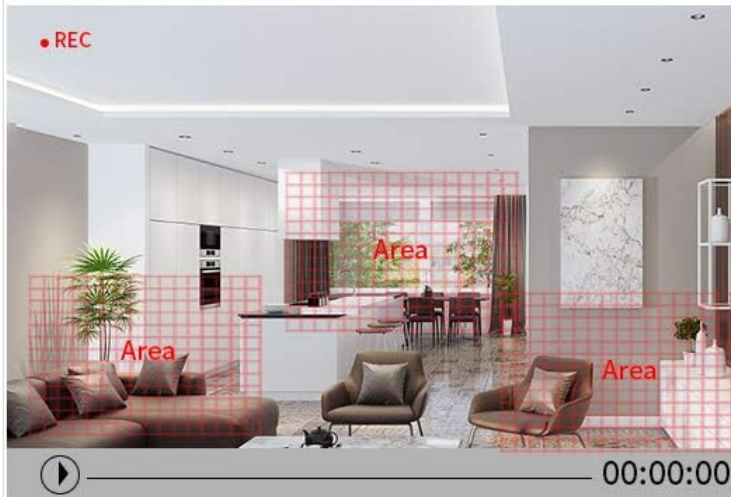


Figure 9: 1296P vs 1080P Resolution. This image demonstrates the clearer detail provided by 1296P resolution compared to 1080P.



Figure 10: Day and Night Vision. This image shows the clear daytime image and the effective 30m IR-cut night vision.

False Motion Alerts

- **Adjust Sensitivity:** Reduce the motion detection sensitivity in the NVR settings or mobile app.
- **Define Zones:** Configure specific motion detection zones to exclude areas with frequent, non-threatening movement (e.g., trees swaying, busy roads).

Remote Access Issues

- **Internet Connection:** Ensure both your NVR (via router) and mobile device have a stable internet connection.
- **App Login:** Verify you are logged into the correct account on the mobile app.
- **Firewall/Router Settings:** Check your router's firewall settings to ensure they are not blocking the P2P connection.

SPECIFICATIONS

Feature	Specification
Brand	SZSINOCAM
Connectivity Technology	Wireless
Video Recording Resolution	1296p (3MP)
Special Feature	Motion Sensor
Number of Channels	8
Recommended Uses	Surveillance

Feature	Specification
Low Light Technology	Color Night (IR-CUT)
Manufacturer	SZSINOCAM
Number of Units	1 unit (NVR + 4 cameras)
Weatherproof Rating	IP66
Video Compression	H.265
Night Vision Distance	Up to 30 meters
Hard Drive Support	1TB - 6TB (HDD not included)

EXPANDABLE UP TO 8 CAMERAS

NVR can add 4 more cameras, a larger monitoring range, double sense of security.



Figure 11: H.265 Video Compression. This image illustrates the efficiency of H.265 compression, showing reduced storage usage and

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the original product packaging or visit the official SZSINOCAM website. Keep your purchase receipt as proof of purchase for warranty claims.

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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.

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