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› ZOSI 5MP Lite 8 Channel 4-in-1 HD TVI CCTV DVR Instruction Manual

ZOSI FBA_ZR04AA/05

ZOSI 5MP Lite 8 Channel 4-in-1 HD TVI CCTV DVR Instruction Manual

Model: FBA_ZR04AA/05

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ZOSI 5MP Lite 8 Channel 4-in-1 HD TVI CCTV DVR. Please read this manual thoroughly before using the product to ensure proper and safe operation.

The ZOSI DVR supports various camera types (HD-TVI, CVI, AHD, CVBS) and features H.265+ video compression, AI human/vehicle detection, and mobile remote access. It includes a 1TB security-grade hard drive for continuous recording.

2. PACKAGE CONTENT

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact ZOSI customer support.

- 8-Channel DVR
- 1TB Hard Drive (pre-installed)
- Power Supply
- Ethernet Cable
- USB Mouse
- Quick Start Guide

Support 24/7 Recording

No Monthly Fee



Built-in
1TB HDD



Up to
8TB HDD via SATA

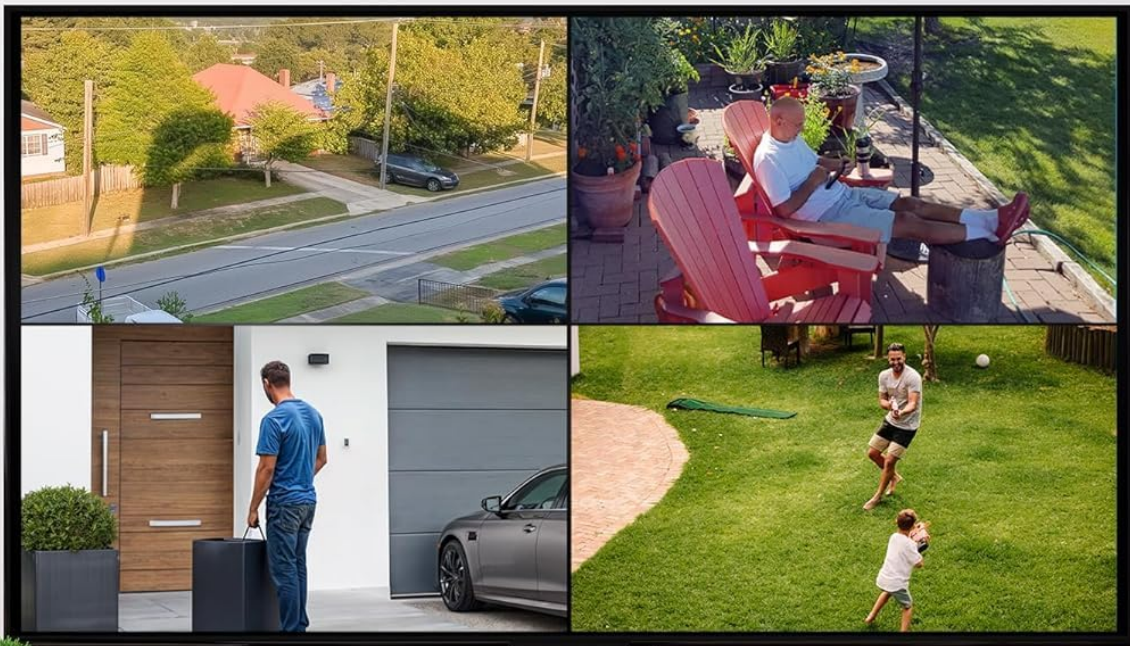


Image: Contents of the ZOSI DVR package, including the DVR unit, power supply, Ethernet cable, USB mouse, and quick start guide.

3. DVR OVERVIEW

3.1 Front Panel

The front panel of the DVR features status indicators and a USB port for connecting the mouse or for USB backup.

- **Power Indicator:** Lights up when the DVR is powered on.

- **LAN Indicator:** Indicates network activity.
- **HDD Indicator:** Indicates hard drive activity.
- **USB Port:** For mouse connection or USB storage.

3.2 Rear Panel

The rear panel provides all necessary ports for connecting cameras, display monitors, and network cables.



Image: Rear panel of the ZOSI DVR showing various input/output ports including video input, audio out, HDMI, VGA, USB, network, and power supply.

- **Video Input (BNC):** Connect up to 8 security cameras.
- **Audio In/Out (RCA):** For audio input from cameras (if supported) and audio output to a speaker.
- **HDMI Output:** Connect to an HDMI-compatible monitor for high-definition video output.
- **VGA Output:** Connect to a VGA-compatible monitor.
- **USB Ports:** For mouse and USB backup devices.

- **Network (RJ45):** Connect to your router for internet access and remote viewing.
- **Power Input (DC 12V):** Connect the provided power adapter.

4. SETUP

4.1 Hard Drive Installation (if not pre-installed or for replacement)

Note: Ensure the DVR is powered off before installing or replacing the hard drive. After installation, the hard drive must be formatted for proper recording.

1. Use a Phillips screwdriver to remove the screws on the sides and back of the DVR.
2. Carefully slide off the recorder cover.
3. Unplug the hard drive's power and data cables (if replacing an old drive).
4. Connect the power and data cables to the new hard drive.
5. Align the hard drive with the screw holes on the bottom of the DVR and secure it with a screwdriver.
6. Close the cover and tighten the screws to complete the hard drive installation.

Your browser does not support the video tag.

Video: This video demonstrates the process of installing a hard drive into the ZOSI 8-channel DVR. It shows how to open the casing, connect the power and data cables, secure the drive, and close the unit.

4.2 Initial Connection

Follow these steps to connect your DVR for the first time:

1. Connect your security cameras to the **Video Input (BNC)** ports on the rear panel.
2. Connect a monitor to the **HDMI** or **VGA** output port.
3. Connect the USB mouse to a **USB port** on the front or rear panel.
4. Connect the Ethernet cable from the **Network (RJ45)** port to your router.
5. Connect the power adapter to the **DC 12V** input and plug it into a power outlet.
6. The DVR will power on automatically.

Hybrid 4-in-1 DVR

Supports HD- TVI, CVI, AHD, CVBS cameras



Image: A diagram illustrating the basic connections for the ZOSI DVR, including cameras, monitor, mouse, network, and power.

5. OPERATING INSTRUCTIONS

5.1 Initial Setup Wizard

Upon first boot, the DVR will guide you through an initial setup wizard. Follow the on-screen prompts to:

- Set up a strong password for security.
- Configure date and time settings.

- Select language preferences.
- Format the hard drive (if prompted and not already done).
- Configure network settings (DHCP is recommended for most users).

5.2 Remote Access (ZOSI Smart App)

To view your cameras remotely on a smartphone, tablet, or PC:

1. Ensure your DVR is connected to the internet via an Ethernet cable.
2. Download the free **ZOSI Smart App** from your device's app store (iOS/Android) or the **ZOSI AVSS Client** for PC/Mac from the ZOSI website.
3. Register an account and log in.
4. Add your DVR device by scanning the QR code on the DVR or manually entering the device ID.
5. You can now view live feeds, playback recordings, and receive alerts from your mobile device.

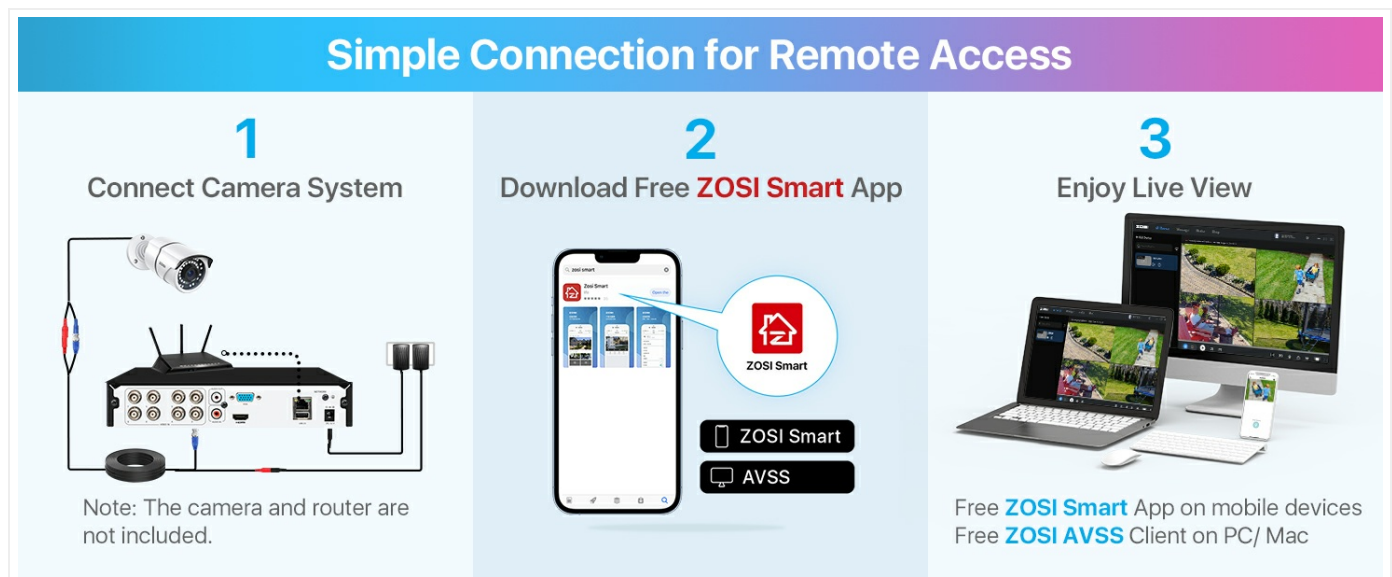


Image: Steps for setting up remote access using the ZOSI Smart App, showing the DVR connection, app download, and live view.

5.3 Recording Modes

The ZOSI DVR offers flexible recording options:

- **Continuous Recording:** Records 24/7.
- **Scheduled Recording:** Records during specified time periods.
- **Motion Detection Recording:** Records only when motion is detected.
- **Recycle Record:** Automatically overwrites the oldest footage when the hard drive is full.

You can customize these modes for each camera through the DVR's menu interface.

6. KEY FEATURES

6.1 H.265+ Video Compression

The H.265+ video compression technology doubles the data compression ratio compared to H.264, allowing for high-quality video with lower bit-rates. This maximizes storage space and enables ultra-long recording times on the 1TB hard drive.

Superior H.265+ Video Compression



Smoother Viewing



Faster Downloads



Reduced Storage



H.265+



H.264

Storage Space

50%

Storage Space

100%

Bandwidth Resources

50%

Bandwidth Resources

100%

Loading Speed

100%

Loading Speed

50%

Image: A visual comparison demonstrating the efficiency of H.265+ video compression over H.264, highlighting reduced storage and bandwidth usage.

6.2 AI Human/Vehicle Detection

The DVR features advanced AI detection capabilities to distinguish between human and vehicle movement, reducing false alarms caused by animals or environmental factors. When motion is detected, instant notifications and email alerts are sent to your phone.

Detect Motion & Alert Instantly

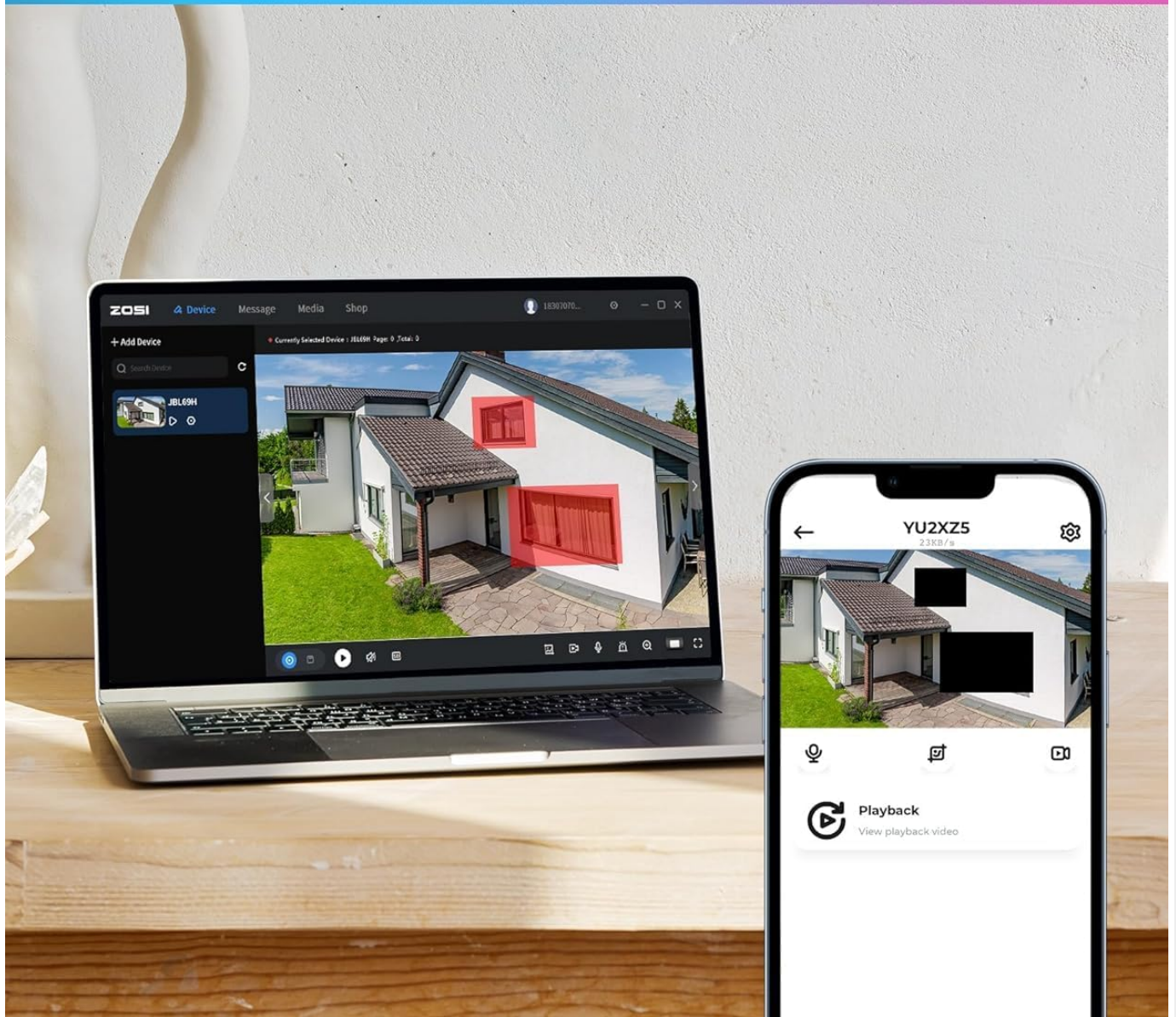


Image: A security camera view showing a person being detected, with an overlay indicating an instant notification from the ZOSI Smart app.

6.3 Customizable Detection Zones & Privacy Masking

You can define specific motion detection zones for each camera to focus on critical areas and minimize unwanted alerts. Additionally, privacy masking allows you to block out certain areas in the camera's view to ensure privacy.

Customizable Detection Zone



Customize Area



Adjust Sensitivity



Mask Privacy

Image: A screenshot from the ZOSI app showing how to customize detection areas and apply privacy masks on a camera's view.

6.4 System Overview

Your browser does not support the video tag.

Video: A brief overview of the ZOSI 8-channel security camera system, showcasing its features and applications.

7. MAINTENANCE

- **Regular Cleaning:** Keep the DVR unit free from dust and debris to ensure proper ventilation. Use a soft, dry cloth

for cleaning.

- **Firmware Updates:** Periodically check the ZOSI website for firmware updates to ensure optimal performance and access to new features.
- **Hard Drive Health:** Monitor the health of your hard drive through the DVR's system settings. Back up important footage regularly.
- **Cable Connections:** Ensure all cables (power, video, network) are securely connected to prevent signal loss or power interruptions.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output on monitor	Loose cable connection, incorrect input source on monitor, DVR not powered on.	Check HDMI/VGA cable, ensure monitor input is correct, verify DVR power.
No recording	Hard drive not installed/formatted, recording schedule not set, motion detection not configured.	Install/format HDD, check recording settings, configure motion detection.
Remote access not working	No internet connection, incorrect network settings, app not configured correctly.	Verify internet connection, check DVR network settings, re-add device in ZOSI Smart App.
False motion alerts	Sensitive motion detection settings, environmental factors (e.g., moving branches).	Adjust motion detection sensitivity, define specific detection zones, use AI detection.

9. SPECIFICATIONS

- **Model:** FBA_ZR04AA/05
- **Channels:** 8-Channel
- **Video Compression:** H.265+
- **Video Input:** 4-in-1 (HD-TVI, CVI, AHD, CVBS)
- **Hard Drive:** 1TB Security Grade HDD (expandable up to 8TB via SATA)
- **Video Output:** HDMI, VGA
- **Audio Input/Output:** Yes
- **Connectivity:** Wired (Ethernet)
- **AI Features:** Human/Vehicle Detection
- **Remote Access:** ZOSI Smart App (iOS/Android), ZOSI AVSS Client (PC/Mac)
- **Power Supply:** DC 12V
- **Dimensions:** 16.93 x 27 x 9 inches
- **Weight:** 4.1 pounds

10. WARRANTY AND SUPPORT

ZOSI provides a standard warranty for this product. For detailed warranty information, technical support, or service inquiries, please visit the official ZOSI website or contact their customer service. You can also find helpful resources and FAQs on their support page.

ZOSI Support: [Visit the ZOSI Store on Amazon](#)

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

Answered questions about this manual

Why is my ZOSI ZR08VN DVR stuck on the 'ZOSI Initialization' screen when I turn it on?

If your ZOSI ZR08VN DVR is stuck on the "ZOSI Initialization" screen, it usually indicates a power supply issue, a hard drive failure, or a firmware glitch. Please try the following troubleshooting steps: Check the...

[Read full answer](#)

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