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## ZOSI

# ZOSI H.265+ 8CH 4-in-1 5MP Lite Surveillance DVR Recorder User Manual

Model: ZR08FN/20

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your ZOSI H.265+ 8-channel 5MP Lite Surveillance DVR Recorder. This system is designed to provide comprehensive security monitoring for your property, supporting various camera types and offering advanced features like motion detection and remote viewing.

## 2. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- 1 x ZOSI H.265+ 8CH 5MP Lite Surveillance DVR Recorder with 2TB Hard Drive
- 1 x Power Supply
- 1 x Ethernet Cable
- 1 x USB Mouse
- 1 x Quick Start Guide

# Package Contents



DVR



Power Supply



Ethernet Cable



USB Mouse



Quick Start Guide

Figure 2.1: Included components in the ZOSI DVR package.

## 3. PRODUCT OVERVIEW

### 3.1 DVR Unit



Figure 3.1: ZOSI HD Digital Video Recorder with pre-installed 2TB hard drive.

The ZOSI DVR is a compact unit designed for efficient surveillance recording. It comes with a pre-installed 2TB security-grade hard drive for extensive storage.

### 3.2 Rear Panel Connections



Figure 3.2: Rear panel connections of the ZOSI DVR, illustrating video, audio, display, network, and USB ports. The rear panel provides all necessary ports for connecting cameras, monitors, audio devices, and network cables:

- **Video Input (BNC):** Connect up to 8 security cameras.
- **Audio In/Out (RCA):** For audio input from cameras and audio output to speakers.
- **Monitor (VGA/HDMI):** Connect to a monitor or TV for live viewing and system configuration.
- **Network (RJ45):** Connect to your router for remote access.
- **USB:** For mouse connection and USB backup.
- **Power Supply:** Connect the included power adapter.

## 4. SETUP

### 4.1 Initial Connection

1. Connect your cameras to the DVR's BNC video input ports.

2. Connect a monitor to the DVR using either the VGA or HDMI port.
3. Connect the USB mouse to a USB port on the DVR.
4. Connect the Ethernet cable from the DVR's network port to your router for network access.
5. Connect the power adapter to the DVR and plug it into a power outlet. The DVR will power on automatically.

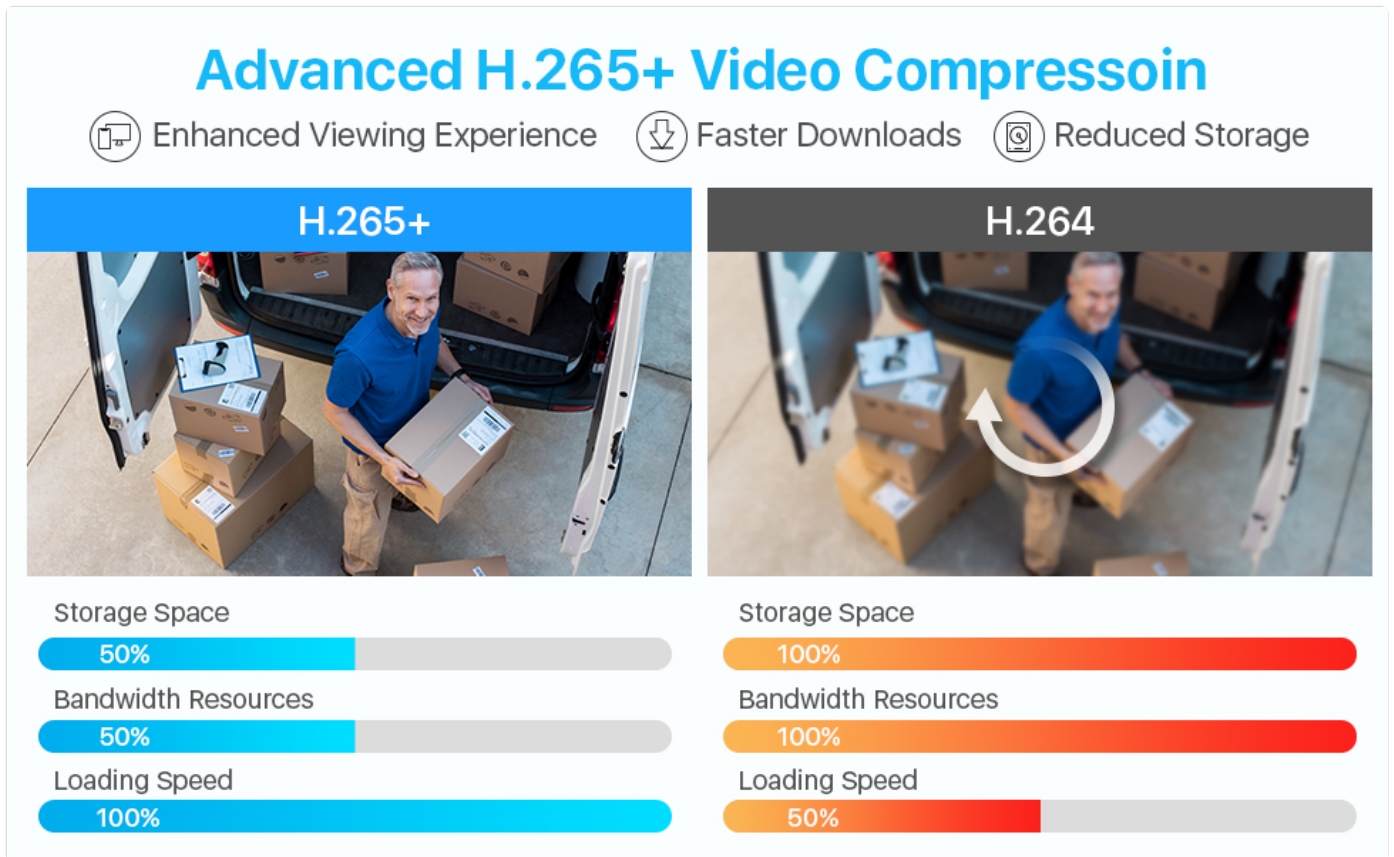


Figure 4.1: Basic connection diagram for the ZOSI DVR system.

## 4.2 Camera Compatibility

This 4-in-1 DVR supports a wide range of security cameras, including HD-TVI, CVI, CVBS, and AHD camera types. It provides flexibility to add 720P, 1080P, 3MP, 4MP, and 5MP CCTV Security Cameras.

# Hybrid Capability 4-in-1 DVR

ZOSI self-adaptive DVR supports HD-TVI, CVI, AHD, CVBS camera.



Figure 4.2: The ZOSI DVR's hybrid capability supporting multiple camera technologies.

## 4.3 Network Setup and Remote Viewing

For remote viewing, ensure your DVR is connected to the internet via an Ethernet cable. You can access the system remotely using the ZOSI Smart App on your smartphone or tablet, or the ZOSI AVSS Client on your PC/Mac.

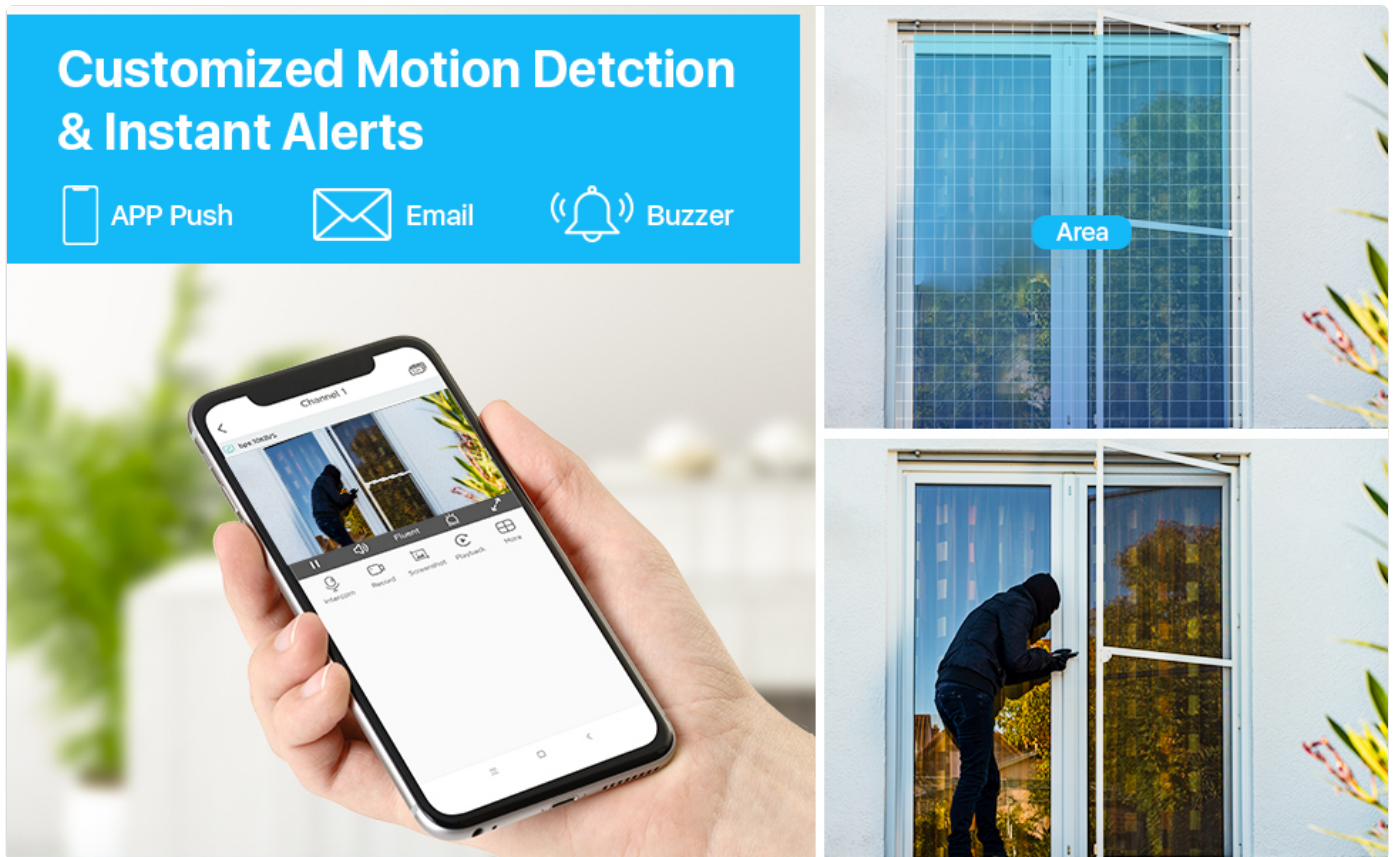


Figure 4.3: Remote access to your ZOSI DVR system via various devices.

Your browser does not support the video tag.

Video 4.1: This video demonstrates how to navigate and utilize the setup menu of the ZOSI DVR, covering basic configurations and advanced options.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Recording Modes

The ZOSI DVR offers four recording modes to suit your needs:

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

# Smart Motion Detection & Instant Alert

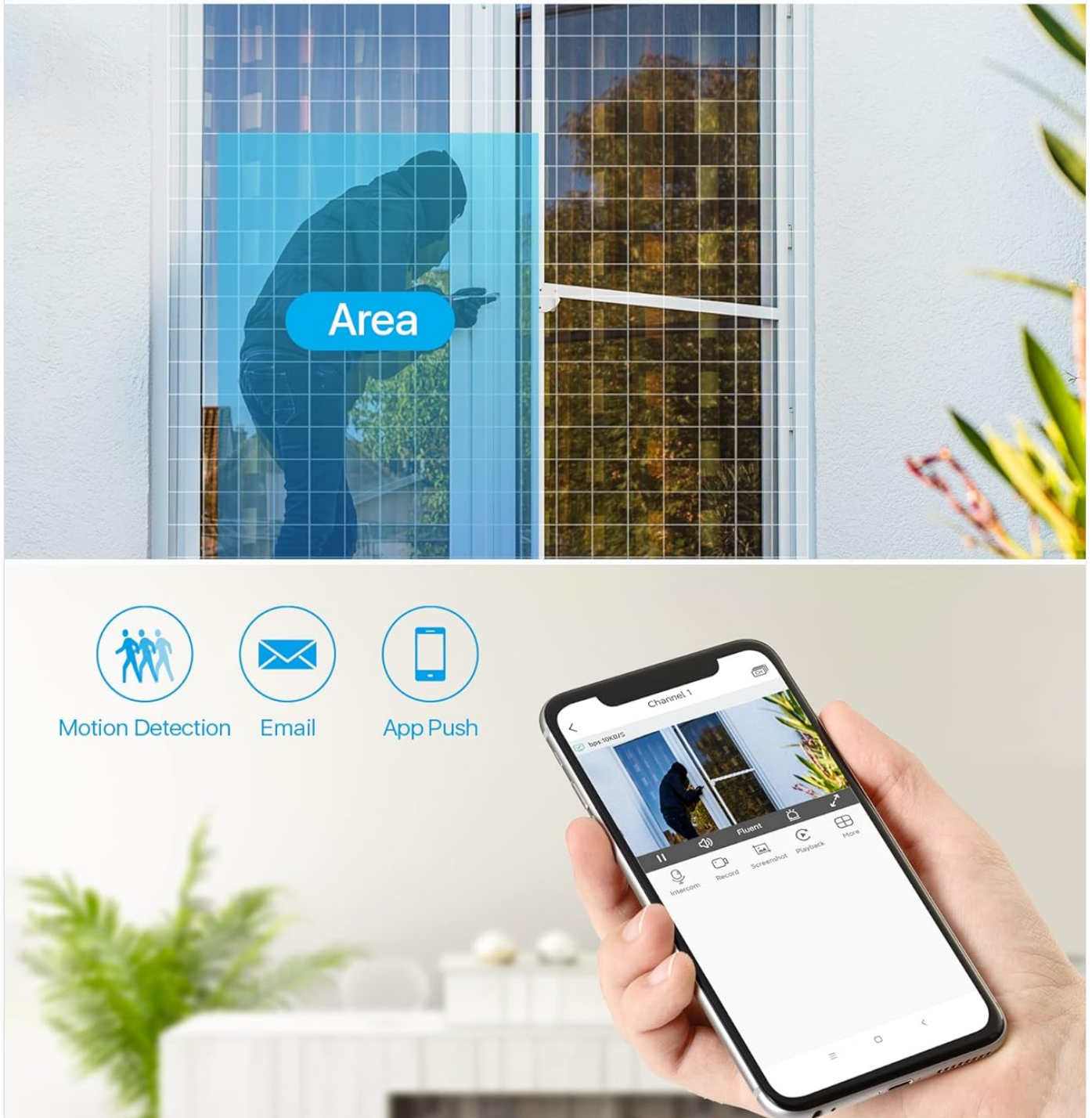
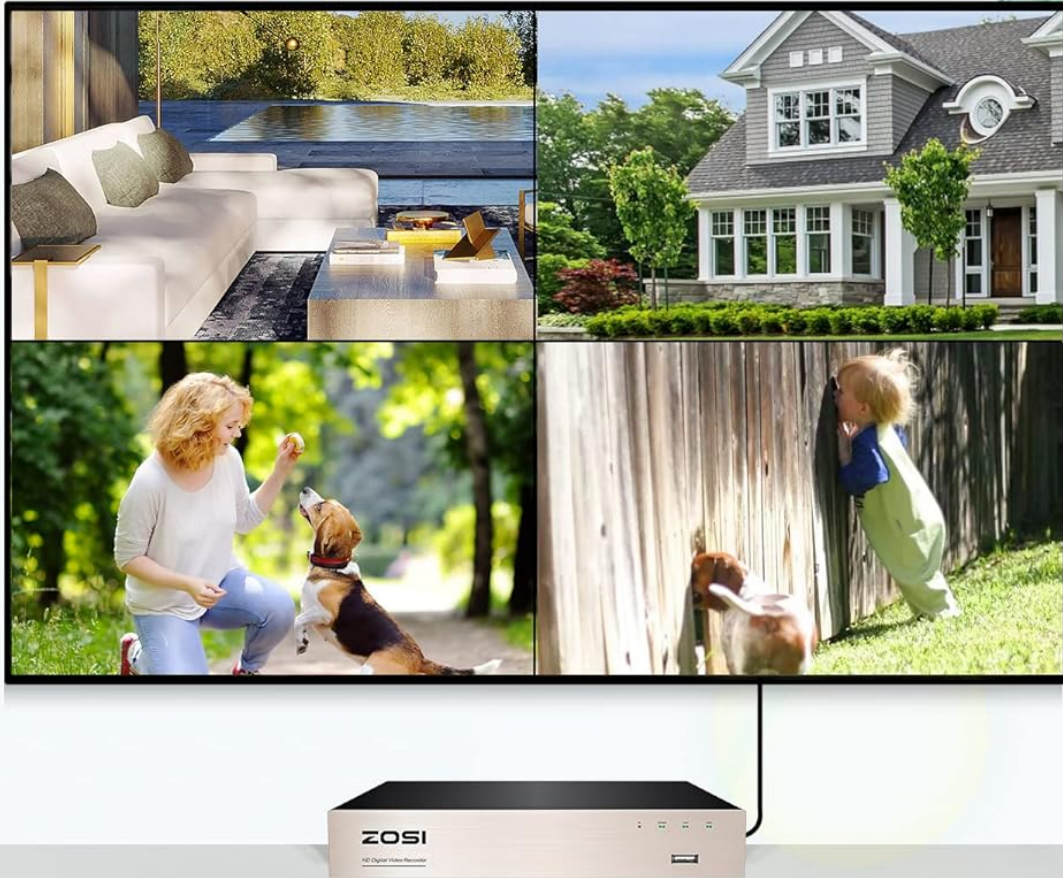


Figure 5.1: The 8-channel DVR providing 24/7 protection with various features.

## 5.2 Motion Detection and Alerts

Customize specific motion detection zones for each camera to minimize false alerts. Smart instant notifications and email alerts will be pushed to your phone when motion is detected.

# 8-Channel Secure DVR for 24/7 Protection



Video &  
Audio Output



H.265+



Motion Detection



4 in 1



Playback



2TB HDD

Figure 5.2: Smart Motion Detection and Instant Alert features.

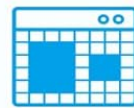
# Customizable Motion Detection Area



Detection Zone



Adjust Sensitivity



Privacy Mask

Figure 5.3: Customizing motion detection zones and privacy masks.

## 5.3 Playback and Storage

You can access recorded footage locally via the DVR connected to a monitor, or remotely through the ZOSI Smart App/AVSS Client. The 2TB hard drive allows for ultra-long continuous recording.

# Local Storage & Remote Playback

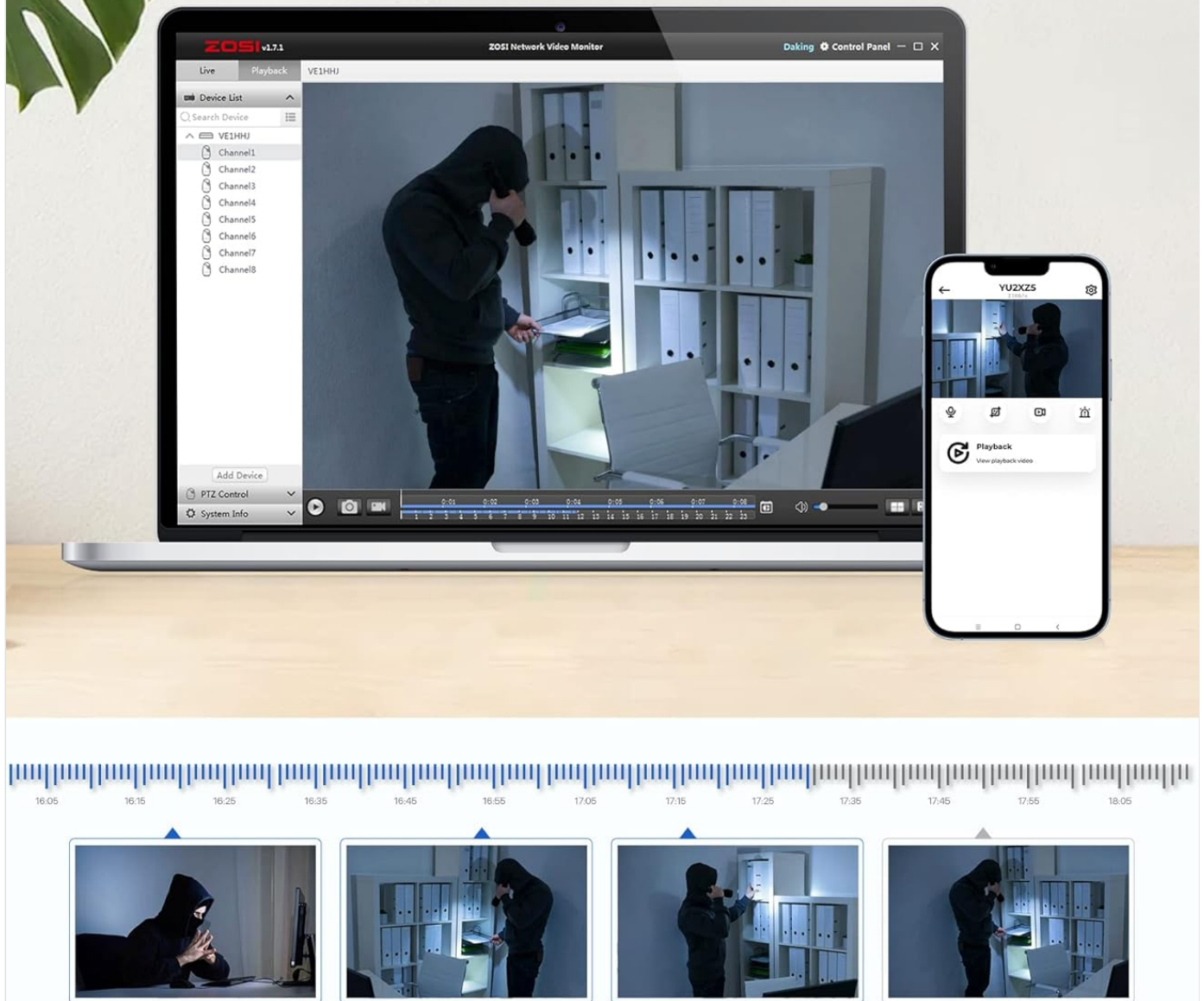


Figure 5.4: Local storage and remote playback capabilities.

## 5.4 H.265+ Video Compression

The H.265+ technology significantly improves data compression ratio, maintaining high video quality even at low bit-rates. This maximizes storage space and provides smoother viewing compared to older H.264 compression.

# Advanced H.265+ Video Format

H.265+ technology help save storage space and provide smooth viewing.

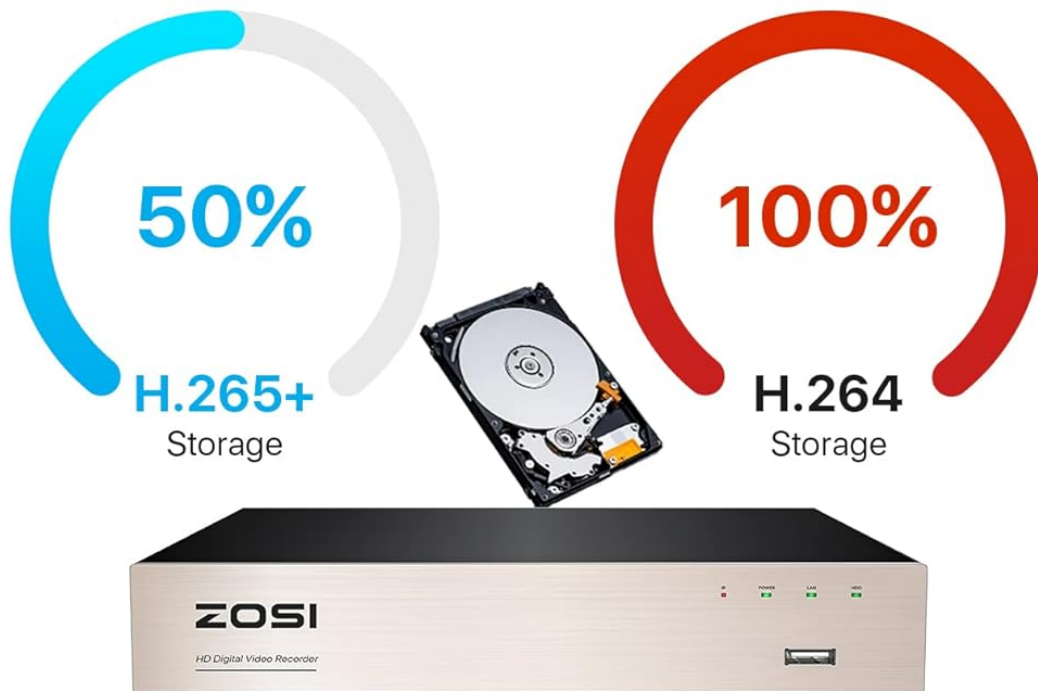


Figure 5.5: Benefits of Advanced H.265+ Video Format.

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Video 5.1: An overview of the ZOSI Security Wired System, highlighting key features like local playback, full HD resolution, night vision, weatherproofing, remote viewing, and motion-triggered alerts.

## 6. MAINTENANCE

To ensure optimal performance and longevity of your ZOSI DVR system, consider the following maintenance tips:

- **Keep Clean:** Regularly wipe the DVR unit and camera lenses with a soft, dry cloth. Avoid abrasive cleaners.

- **Proper Ventilation:** Ensure the DVR is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Firmware Updates:** Periodically check the ZOSI official website for firmware updates to enhance system stability and features.
- **Data Backup:** Regularly back up important footage to an external USB drive to prevent data loss.
- **Power Stability:** Use a surge protector to protect the DVR from power fluctuations.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No video output on monitor	Incorrect cable connection; Monitor input not selected; DVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor input matches the connection. Verify DVR power.
Cannot view remotely	Network connection issue; Incorrect app settings; Router port forwarding not configured.	Verify DVR's network connection. Check app settings (UID/password). Configure port forwarding on your router (e.g., ports 5000, 5001).
No recording	Hard drive full or faulty; Recording schedule not set; Motion detection not configured.	Check hard drive status in Disk Management. Review recording schedules. Ensure motion detection is enabled and zones are set correctly.
Fuzzy or distorted image	Loose camera cable; Camera compatibility issue; Power supply issue.	Secure all camera cable connections. Ensure camera type is compatible with DVR channel. Check camera power supply.

## 8. SPECIFICATIONS

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- **Model Number:** ZR08FN/20
- **Video Compression:** H.265+/H.265
- **Channels:** 8-Channel
- **Supported Camera Types:** HD-TVI, CVI, CVBS, AHD (4-in-1)
- **Supported Resolutions:** 720P, 1080P, 3MP, 4MP, 5MP
- **Hard Drive:** 2TB Security Grade Hard Drive (pre-installed)
- **Connectivity:** Wi-Fi (via USB dongle, if supported), USB, Ethernet
- **Dimensions:** Approximately 14.06 x 11.34 x 3.23 inches
- **Weight:** Approximately 3.5 pounds

## 9. WARRANTY AND SUPPORT

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ZOSI provides after-sales support and services to its customers. For technical assistance, warranty information, or further inquiries, please visit the official ZOSI website or refer to the contact information provided in your Quick Start Guide. You can also visit the [ZOSI Store on Amazon](#) for more product information and support resources.

