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› GW Security 8 Channel 4K NVR H.265 8MP Fulltime Color Night Vision Security Camera System User Manual

GW Security VD4108EP-8027FMICX4

GW Security 8 Channel 4K NVR H.265 8MP Fulltime Color Night Vision Security Camera System

Model: VD4108EP-8027FMICX4

PRODUCT OVERVIEW

The GW Security 8 Channel 4K NVR H.265 8MP Security Camera System provides comprehensive surveillance with advanced features. This system includes an 8-channel Network Video Recorder (NVR) and four 8-megapixel (4K) IP cameras, designed for both indoor and outdoor use. Key functionalities include full-time color night vision, AI-powered human detection, two-way audio, and efficient H.265 video compression for optimized storage.



Image: Complete GW Security 8 Channel 4K NVR system, showcasing the NVR unit, four 8MP IP cameras, a mobile phone demonstrating remote viewing, and a hard drive for storage.

PACKAGE CONTENTS

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

- 1 x GW4108EP: 8 Channel NVR with pre-installed 2TB Hard Drive
- 4 x GW8028IP: 8MP IP Camera
- 2 x GWCAT100: 100FT CAT5e Cables
- 2 x GWCAT60: 60FT CAT5e Cables
- All Necessary Hardware and Free Software

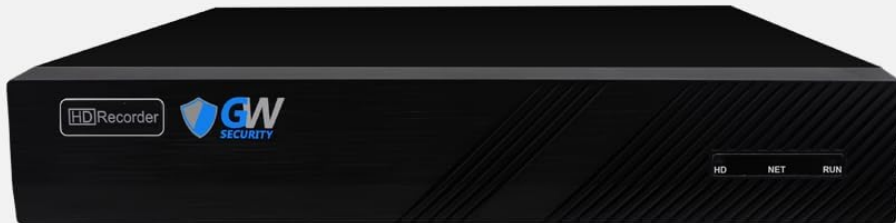
SYSTEM SETUP

1. NVR and Camera Connection

The NVR (Network Video Recorder) serves as the central hub for your security system. It manages video recording, storage, and network connectivity.

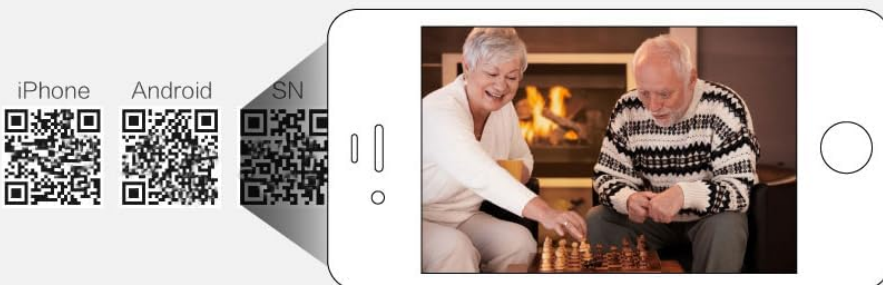
1. **Connect Cameras:** Connect each IP camera to the PoE (Power over Ethernet) ports on the back of the NVR using the provided CAT5e cables. A single network cable supplies both power and video signal to each camera.
2. **Connect to Monitor:** Connect a monitor to the NVR's HDMI (for 4K output) or VGA (for 1080P output) port.

3. **Connect to Network:** Connect the NVR to your local network router using an Ethernet cable for remote viewing capabilities.
4. **Power On:** Connect the NVR to a power source using the provided power adapter.



Check in from Anywhere

Even when you're miles away, keep an eye on your home, kids and mischievous pets in True life HD.



Mobile View Setup within Mins

- ① Scan QR for free APP "GWVIEW"
- ② Scan QR for the S/N via the APP
- ③ Live Viewing

iPhone Android iPad Computer

Image: Front and rear views of the GW Security NVR, illustrating various connection ports including PoE, HDMI, VGA, and USB. Also shown is a mobile phone screen with QR codes for easy mobile app setup.

2. Initial Configuration

Upon first power-up, the NVR will guide you through an initial setup wizard. Follow the on-screen prompts to set up basic parameters such as language, date/time, network settings, and administrator password.

The 2TB hard drive is pre-installed. If you encounter recording issues, ensure the hard drive is formatted via the NVR's system settings.

OPERATING INSTRUCTIONS

Remote Viewing

Access your security system remotely from various devices:

- **Smartphone/Tablet:** Download the "GWVIEW" app from your device's app store. Scan the NVR's QR code (found on the

NVR or in system settings) to quickly add your device.

- **PC/Mac:** Install the provided client software on your computer. Use the NVR's IP address or cloud ID to connect.

Remote viewing allows you to monitor live feeds, review recorded footage, and receive alerts from anywhere with an internet connection.

Recording Modes

The NVR supports various recording configurations:

- **Manual:** Initiate recording manually.
- **Time Scheduled:** Set specific times for continuous recording.
- **Alarm Triggered:** Recording starts when an alarm event (e.g., motion detection) is triggered.
- **Smart Motion Detect:** Utilizes AI for intelligent motion detection, reducing false alarms.
- **Face Recognition:** Records based on detected faces (if enabled and supported by camera/NVR firmware).

Advanced Features

AI Human/Vehicle Detection

This system incorporates advanced AI technology to differentiate between human and vehicle movement and other non-threatening motions (e.g., swaying trees, animals). This significantly reduces false alerts, ensuring you receive notifications only for relevant events.



Image: Demonstrates the AI Human and Vehicle Detection capabilities, highlighting how the system identifies and tracks individuals and vehicles, alongside a mobile notification for a detected person.

Full-time Color Night Vision (Starlight Technology)

Equipped with STARVIS image sensors and F1.2 starlight lens, the cameras can capture full-color video even in very low-light conditions, providing more detail and clarity than traditional infrared black-and-white night vision. Built-in 3000K warm supplement lights enhance color capture in complete darkness.

COLOR NIGHT VISION

Under Low-Light Conditions



Image: Visual comparison illustrating the superior clarity and color rendition of GW Security's Starlight Color Night Vision compared to standard black-and-white night vision.

Two-Way Audio

Each camera includes a built-in microphone and speaker, enabling two-way communication. You can listen to audio from the camera's location and speak through the camera using the mobile app, which is useful for interacting with visitors or deterring intruders.



Image: Depicts the two-way audio functionality, showing a user communicating via their smartphone with a delivery person at their door through the security camera.

Proactive Deterrence (Siren & Floodlight)

The cameras are equipped with ultra-bright floodlights and a siren alarm. These can be activated manually or automatically upon detection of suspicious activity, serving as a proactive deterrent against potential intruders.



Image: Illustrates the proactive deterrence feature, showing a camera with activated floodlights and siren, effectively deterring an intruder, with the scene visible on a mobile device.

H.265 Video Compression

The system utilizes H.265 video compression technology, which offers significant advantages over older H.264 compression. H.265 reduces file sizes without compromising 4K video quality, leading to lower storage costs, faster loading speeds, and longer recording times on the same hard drive capacity.

H.265 VIDEO COMPRESSION



High Speed

Lower code rates obtain faster loading speeds.



Lower Costs

Deliver the same content with less resource and data consumption.



Longer Recording Time

H.265 takes up less storage space and bandwidth and provides longer recording times than H.264.



Storage Space

50%

Storage Space

100%

Bandwidth Resources

50%

Bandwidth Resources

100%

Loading Speed

100%

Loading Speed

50%

Image: Chart comparing H.265 and H.264 video compression, highlighting H.265's efficiency in reducing storage space and bandwidth requirements while maintaining video quality.

MAINTENANCE

- **Regular Cleaning:** Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality.
- **Firmware Updates:** Check the GW Security website or your NVR's system settings for available firmware updates to ensure optimal performance and access to new features.
- **Hard Drive Management:** The NVR is configured to overwrite old footage automatically when the hard drive is full. You can adjust recording settings or add a larger hard drive (up to 10TB) if longer retention is desired.
- **Cable Inspection:** Periodically inspect all cables for wear or damage, especially outdoor cables, to prevent signal loss or power issues.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No video display on monitor.	Incorrect video output setting, loose cable, monitor issue.	Check HDMI/VGA cable connection. Ensure monitor is on correct input. Try a different monitor or cable.
Cameras not showing video.	Loose PoE cable, camera not powered, network issue, camera not added/configured.	Verify PoE cable connections. Restart NVR and cameras. Check camera status in NVR settings. Ensure cameras are properly added to NVR channels.
Cannot access NVR remotely.	Network connectivity issue, incorrect app settings, firewall blocking.	Ensure NVR is connected to the internet. Verify app settings (QR code/Cloud ID). Check router firewall settings. Restart NVR and router.
No recording or incomplete recording.	Hard drive not formatted, full hard drive, incorrect recording schedule.	Format the hard drive via NVR settings. Check recording schedule and motion detection settings. Ensure hard drive is functioning correctly.
Poor night vision quality.	Dirty lens, insufficient ambient light, IR/Starlight settings.	Clean camera lens. Ensure there are no obstructions. Check camera's night vision settings in the NVR interface.

SPECIFICATIONS

Feature	Detail
Brand	GW Security
Model Number	VD4108EP-8027FMICX4
NVR Channels	8 Channel IP (Compatible with H.265/H.264 IP cameras)
Camera Resolution	8MP (4K) at 3840 x 2160 pixels
NVR Recording Resolution	Full 4K @ 30fps
Video Compression	H.265
Hard Drive Capacity	2TB Pre-installed (Supports up to 10TB)
Night Vision	Full-time Color Night Vision (Starlight Technology), 2 Pcs 3000K color LEDs, up to 100FT IR Distance
Special Features	AI Human Detection, Two-Way Audio, Waterproof (Vandal proof & Water proof)
Connectivity	Power over Ethernet (PoE)
Remote Access	PC (Windows, Mac), Smartphone (iPhone, Android)
Video Output	HDMI (4K), VGA (1080P)
Camera Lens	2.8mm (115° wide view angle)
Item Weight	18.7 pounds
Product Dimensions	20 x 10 x 15 inches

WARRANTY AND SUPPORT

GW Security offers a **Two Year Guaranty** on this product. For technical assistance, installation questions, network configuration, mobile app setup, or system updates, please contact GW Security Technical Support.

Technical Support Hours: Monday – Friday, 6:00 AM to 5:00 PM PST.

The company prides itself on providing free lifetime technical support with an average wait time of less than 10 minutes.



**20 Years
in Business**



English

Chinese

Spanish



Free Lifetime Tech Support + Two Year Guaranty

Call Us Monday – Friday
from 6:00 am to 5:00 pm PST

Average Wait Time of Less Than 10 Minutes

Image: Details regarding GW Security's free lifetime technical support, including operating hours and a list of common support areas such as installation, camera connection, and mobile app assistance.

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

Open the live page

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