

TP-Link VIGI NVR1008H-8P(UN)

TP-Link VIGI NVR1008H-8P User Manual

8-Channel PoE+ Network Video Recorder

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, operation, and maintenance of your TP-Link VIGI NVR1008H-8P Network Video Recorder. The NVR is designed for reliable 24/7 video surveillance recording and management, supporting up to 8 PoE+ cameras and H.265+ video compression for efficient storage.

Please read this manual thoroughly before using the device to ensure proper operation and to maximize its capabilities.

2. PACKAGE CONTENTS

- VIGI NVR1008H-8P Network Video Recorder
- Power Adapter
- USB Mouse
- Quick Installation Guide
- HDD Screws (for internal hard drive installation)



Image: The VIGI NVR1008H-8P packaging, showing the NVR unit and included accessories such as the power adapter, USB mouse, and quick start guide.

3. PHYSICAL OVERVIEW

3.1 Front Panel



Image: Front view of the VIGI NVR1008H-8P, displaying LED indicators for system status (SYS), LAN activity, HDD status, and PoE Max, along with a USB port for mouse or external storage.

- **SYS LED:** Indicates system status.
- **LAN LED:** Indicates network connection and activity.
- **HDD LED:** Indicates hard disk drive status.
- **PoE Max LED:** Indicates PoE power consumption status.
- **USB Port:** For connecting a USB mouse or external storage device.

3.2 Rear Panel

Plug & Play.

Choose "Auto Initialize"

Auto Initialize



X device(s) found

No.	Device IP	Device Name
1	191.168.12.10	VIGI C340 (4mm) (UN)
2	191.168.12.11	VIGI C340 (4mm) (UN)
3	191.168.12.12	VIGI C340 (4mm) (UN)
.....

Device added : X

No.	Channel IP	Device Name
1	191.168.12.14	VIGI C340 (4mm) (UN)
2	191.168.12.15	VIGI C340 (4mm) (UN)
3	191.168.12.16	VIGI C340 (4mm) (UN)
.....

Image: Rear view of the VIGI NVR1008H-8P, showing various ports including Audio In/Out, VGA, HDMI, USB, LAN, 8 PoE ports, and the DC power input.

- **Audio In/Out:** For two-way audio communication.
- **VGA Port:** Video output to a monitor.
- **HDMI Port:** High-definition video output to a monitor, supporting up to 4K resolution.
- **USB Ports:** For connecting a USB mouse, keyboard, or mobile hard disk.
- **LAN Port:** Ethernet connection to your network.
- **PoE+ Ports (1-8):** Power over Ethernet ports to connect and power your VIGI cameras.
- **Power Supply:** DC power input.

4. SETUP

4.1 Hard Disk Drive (HDD) Installation

The NVR supports one 3.5-inch SATA HDD up to 10TB. An HDD is required for video recording. If your NVR did not come with a pre-installed HDD, follow these steps:

1. Unscrew and remove the top cover of the NVR.
2. Connect the SATA data and power cables from the NVR to the HDD.
3. Secure the HDD to the NVR chassis using the provided screws.
4. Replace the top cover and secure it with screws.

4.2 Connecting Your NVR

Follow the diagram below to connect your NVR to cameras, a monitor, and the network.

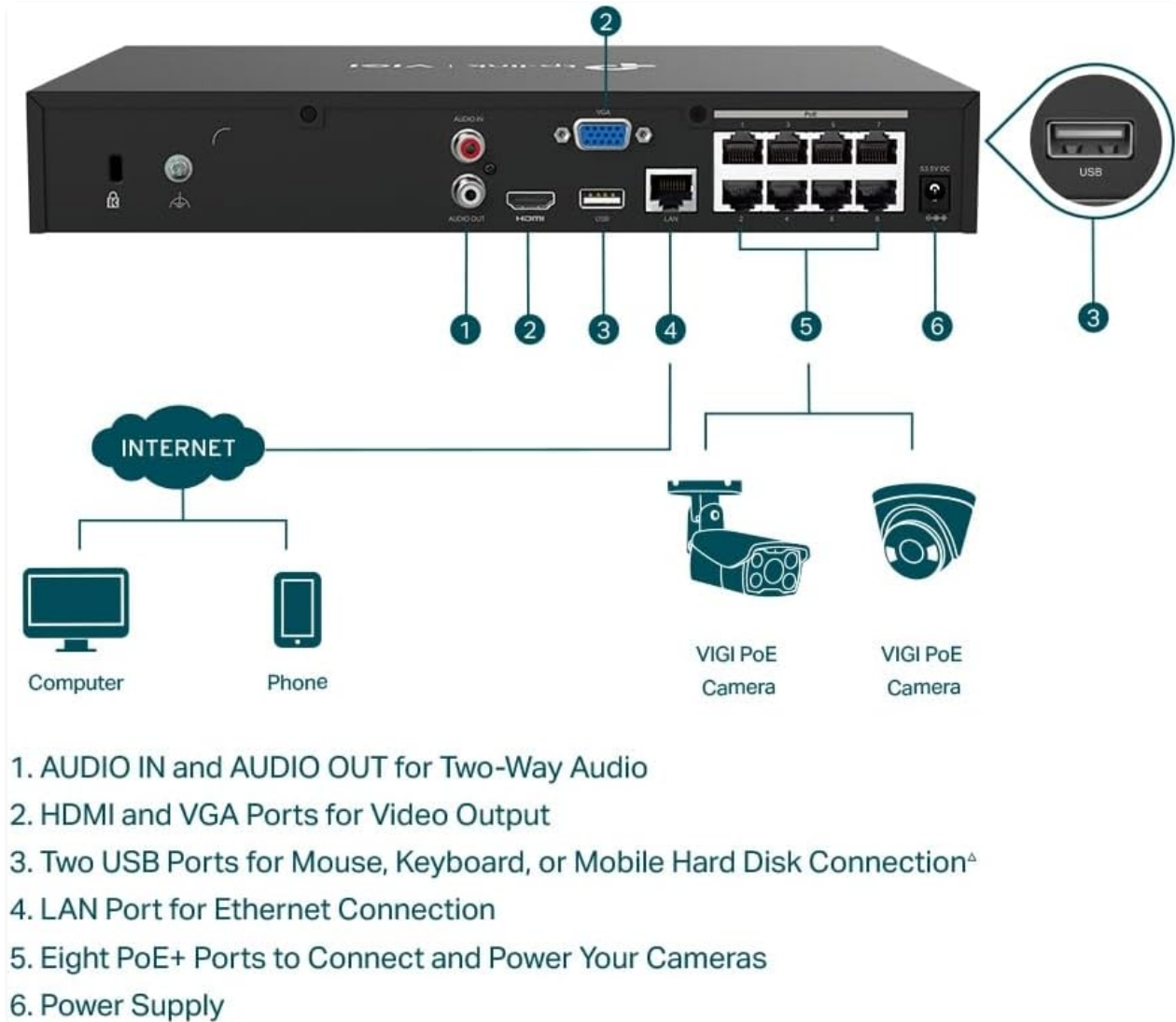


Image: A diagram illustrating the connection points on the rear of the NVR, showing connections for audio in/out, HDMI, USB, LAN, PoE ports for cameras, and power supply. It also depicts the NVR connected to the internet, a computer, a phone, and VIGI PoE cameras.

1. Connect your VIGI PoE cameras to the NVR's PoE ports.
2. Connect a monitor to the NVR's HDMI or VGA port.
3. Connect the NVR's LAN port to your router or network switch.
4. Connect the power adapter to the NVR and a power outlet.
5. Connect the USB mouse to a USB port on the NVR.

4.3 Initial Setup and Camera Detection

Upon first boot, the NVR will guide you through the initial setup wizard. This includes setting up network parameters, date/time, and hard disk formatting.

Simplified Deployment with PoE+

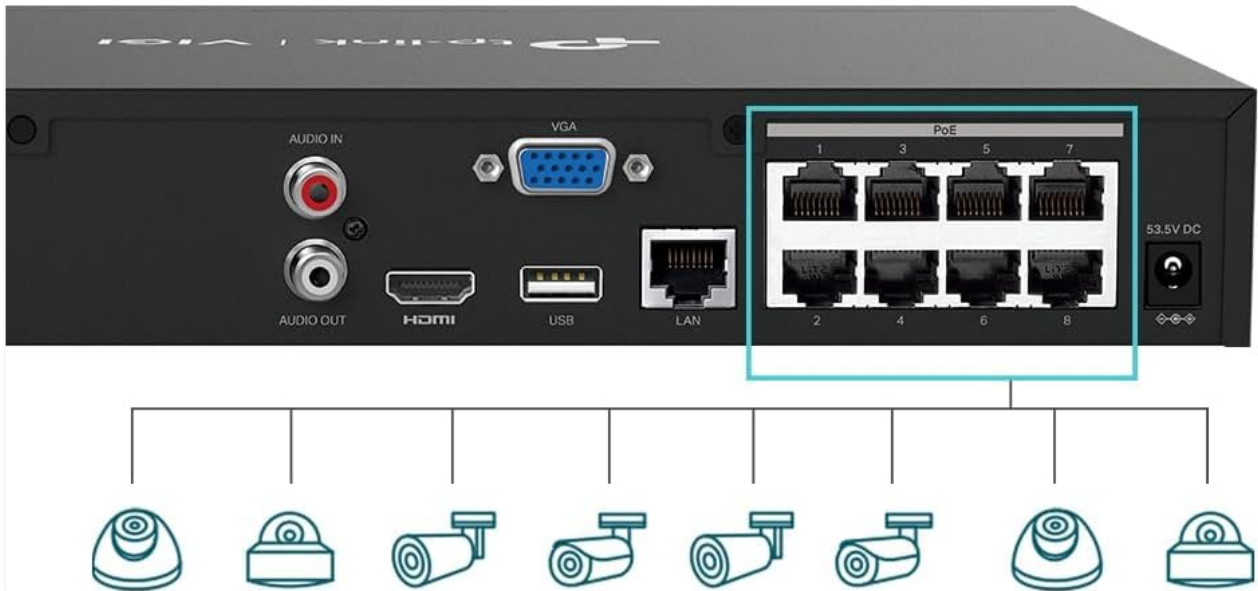


Image: A screenshot from the NVR interface showing the 'Plug & Play' feature with an 'Auto Initialize' toggle. It lists detected devices by IP and name, and then shows devices added with their channel IP and name, demonstrating automatic camera detection.

The NVR supports Plug & Play for VIGI cameras. It will automatically detect and add connected VIGI cameras. Ensure the 'Auto Initialize' option is enabled during setup for seamless camera integration.

8-Channel Simultaneous Playback

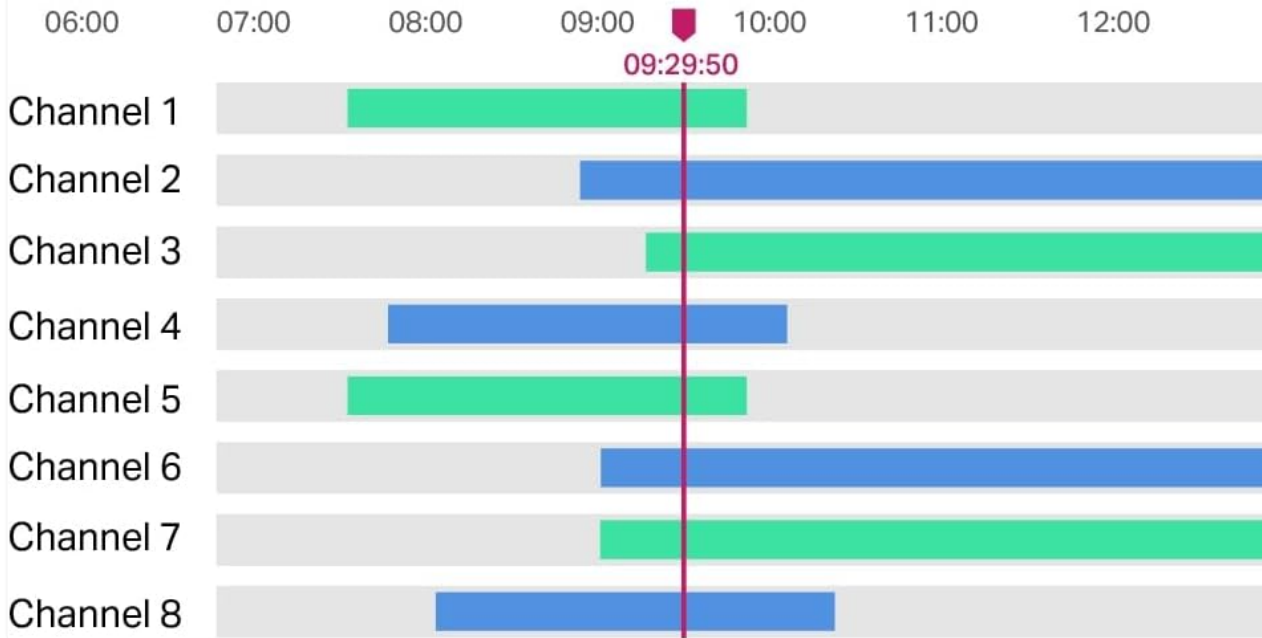


Image: A visual representation of simplified deployment using PoE+, showing the rear of the NVR with its 8 PoE ports highlighted, and cables extending from these ports to individual security cameras, illustrating direct power and data connection.

5. OPERATING THE NVR

5.1 Live View

The NVR supports 8-channel live viewing, allowing you to monitor all connected cameras simultaneously. The interface provides options to switch between single-camera view, multi-camera grids, and customize display layouts.



Image: A monitor displaying multiple camera feeds, demonstrating the NVR's 4K HDMI video output and 4x 4MP decoding capacity. The main screen shows a large view of an indoor scene, with smaller views of various other locations like a parking garage and an outdoor cafe.

5.2 Recording

The NVR provides 24/7 continuous recording. You can configure recording schedules, motion detection recording, and alarm-triggered recording through the NVR's interface.

The NVR utilizes H.265+ video compression technology, which significantly reduces file size without compromising image quality, saving storage space and bandwidth.

H.265+

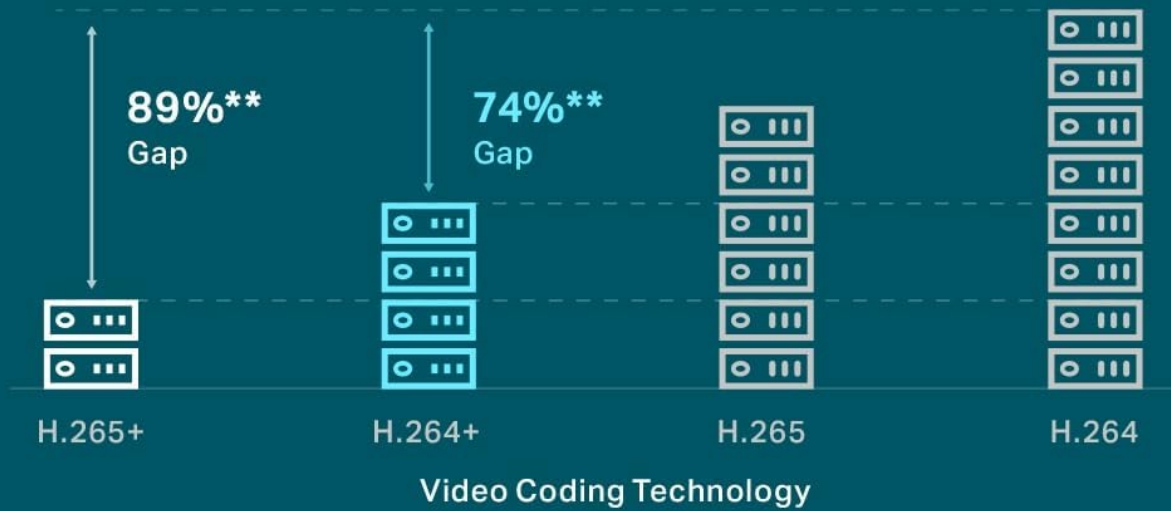


Image: A bar chart comparing the storage efficiency of different video coding technologies: H.265+, H.264+, H.265, and H.264. It highlights that H.265+ offers up to 89% storage savings compared to H.264.

5.3 Playback

The NVR supports simultaneous playback of up to 4 channels. You can easily search for recordings by date, time, or event, and adjust playback speed.

4K HDMI Video Output & 4× 4MP Decoding Capacity



Image: A timeline graph illustrating 8-channel simultaneous playback, showing colored bars representing recorded video segments across different channels over a 24-hour period, with a vertical red line indicating the current playback time.

5.4 Remote Monitoring

Access your NVR and live camera feeds remotely using the dedicated VIGI App (available for iOS and Android) or the VIGI Security Manager software for PC. This allows you to monitor your property from anywhere with an internet connection.

5.5 Advanced Features

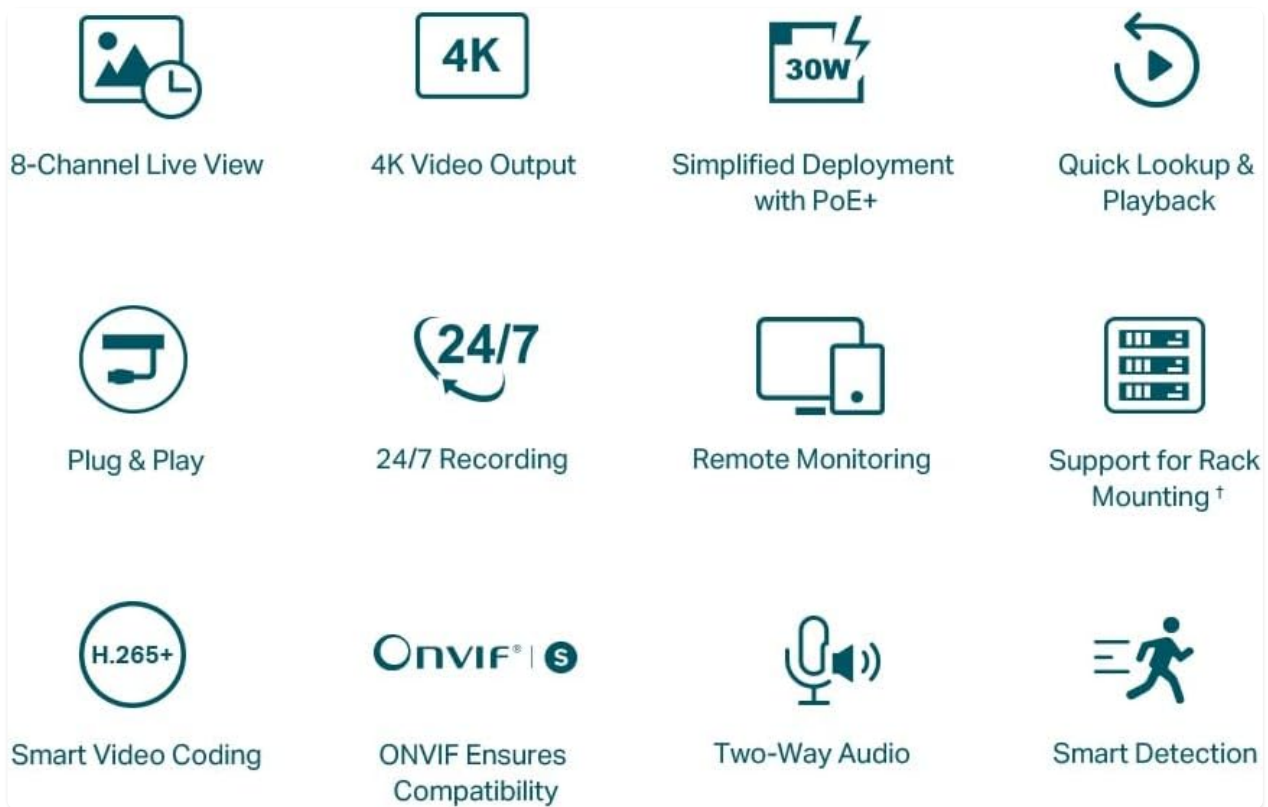


Image: An infographic displaying various features of the VIGI NVR, including 8-Channel Live View, 4K Video Output, Simplified Deployment with PoE+, Quick Lookup & Playback, Plug & Play, 24/7 Recording, Remote Monitoring, Support for Rack Mounting, H.265+ Smart Video Coding, ONVIF Ensures Compatibility, Two-Way Audio, and Smart Detection.

- **Smart Detection:** Configure advanced detection features such as motion detection, line-crossing detection, and intrusion detection (requires compatible VIGI cameras).
- **Two-Way Audio:** Communicate through connected cameras with two-way audio support.
- **ONVIF Compatibility:** Ensures compatibility with a wide range of ONVIF-compliant IP cameras.

6. MAINTENANCE

6.1 Hard Disk Management

Regularly check the health of your hard disk drive through the NVR's system settings. If the HDD is full, the NVR will automatically overwrite the oldest recordings by default. You can configure this behavior in the storage settings.

6.2 Firmware Updates

Periodically check the TP-Link VIGI website for firmware updates. Keeping your NVR's firmware up-to-date ensures optimal performance, security, and access to new features.

6.3 Cleaning

Ensure the NVR is powered off and unplugged before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.

7. TROUBLESHOOTING

7.1 No Video Output on Monitor

- Check if the monitor is powered on and correctly connected to the NVR's HDMI or VGA port.

- Ensure the NVR is powered on and its SYS LED is stable.
- Try a different HDMI/VGA cable or monitor.

7.2 Cameras Not Displaying

- Verify that cameras are properly connected to the NVR's PoE ports.
- Check the camera's power and network status indicators.
- Ensure the NVR's PoE Max LED is not indicating an overload.
- Check camera settings within the NVR interface to ensure they are enabled and configured correctly.

7.3 Remote Access Issues

- Ensure the NVR is connected to the internet and has a valid IP address.
- Verify that the VIGI App or VIGI Security Manager software is up-to-date.
- Check your network firewall settings if you are experiencing connectivity issues.

For more detailed troubleshooting, please refer to the official TP-Link VIGI support website or contact technical support.

8. SPECIFICATIONS

Feature	Description
Model	VIGI NVR1008H-8P(UN)
Video Input	8-Channel
PoE Ports	8 PoE+ Ports
Video Output	1 HDMI (up to 4K), 1 VGA
Decoding Capacity	4-ch@4MP
Video Compression	H.265+/H.265/H.264+/H.264
Audio Input/Output	1-ch RCA (In), 1-ch RCA (Out)
HDD Support	1 SATA interface, up to 10 TB capacity
Network Interface	1 RJ-45 10/100 Mbps self-adaptive Ethernet interface
USB Interface	2 USB 2.0
Power Supply	DC 53.5V
Dimensions (W x D x H)	11.18 x 10.2 x 2.09 inches (284 x 260 x 53 mm)
Item Weight	2.2 pounds (1 kg)

9. WARRANTY AND SUPPORT

TP-Link provides a limited warranty for this product. For detailed warranty information, please refer to the

warranty card included with your product or visit the official TP-Link website.

For technical support, FAQs, and software downloads, please visit the TP-Link support page:

<https://www.tp-link.com/support>

You can also contact TP-Link customer service directly for assistance.

© 2025 TP-Link. All rights reserved.