

TP-Link VIGI NVR1004H

TP-Link VIGI NVR1004H 4 Channel Network Video Recorder User Manual

Model: VIGI NVR1004H

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your TP-Link VIGI NVR1004H 4 Channel Network Video Recorder. Please read this manual thoroughly before using the device to ensure proper setup and functionality. The VIGI NVR1004H is designed to manage and record video streams from up to 4 IP cameras, offering features such as 4K HDMI video output, H.265+ video compression, and remote monitoring capabilities.

2. PRODUCT OVERVIEW

2.1 Key Features

- **4-Channel Live View and 4K HDMI Video Output:** Supports simultaneous viewing of up to 4 camera feeds and outputs video in up to 4K resolution via HDMI.
- **2-ch @ 8MP/ 4-ch @ 4MP Decoding Capability:** Efficiently decodes high-resolution video streams.
- **4-Channel Synchronous Playback:** Allows simultaneous playback of recorded footage from 4 channels.
- **80 Mbps Incoming Bandwidth and 60 Mbps Outgoing Bandwidth:** Ensures smooth recording and remote access.
- **1 SATA Interface (up to 16 TB):** Supports a single SATA hard drive for extensive video storage.
- **H.265+ Video Compression:** Advanced compression technology to save storage space and bandwidth.
- **ONVIF and CGI Compatibility:** Ensures broad compatibility with various IP cameras.
- **Plug & Play:** Simplifies camera setup and integration.
- **Two-Way Audio:** Supports audio communication through connected cameras.
- **Remote Monitoring:** Access and manage your NVR via the VIGI app or web interface.

2.2 Package Contents

The package should contain the following items:

- VIGI Network Video Recorder (NVR1004H)
- Power Adapter
- HDD Screws
- Mouse

- Rubber Feet
- Quick Installation Guide

2.3 Device Layout



Figure 1: Front Panel of VIGI NVR1004H

This image displays the front panel of the TP-Link VIGI NVR1004H, showing the USB ports for mouse and external storage, and LED indicators for LAN, HDD, and Power status.



Figure 2: Rear Panel of VIGI NVR1004H

This image illustrates the rear panel connections of the TP-Link VIGI NVR1004H, including the power input, audio input/output, VGA port, HDMI port, and LAN port for network connectivity.

3. SETUP

3.1 Hardware Installation

1. Install Hard Disk Drive (HDD):

Unscrew the cover of the NVR. Connect a compatible SATA HDD (up to 16 TB) to the SATA data and power cables inside the NVR. Secure the HDD using the provided screws. Replace the cover.

2. Connect Peripherals:

- Connect a monitor to the NVR's HDMI or VGA port.
- Connect the included mouse to a USB port on the NVR's front panel.
- Connect the NVR to your network router or switch using an Ethernet cable via the LAN port.

3. Power On:

Connect the power adapter to the NVR's power input and then plug it into a power outlet. The NVR will power on automatically.

3.2 Initial Configuration (Auto Initialize)

Upon the first boot, the NVR will guide you through an initial setup process. This includes setting up basic IPC (IP Camera) and hard disk parameters.

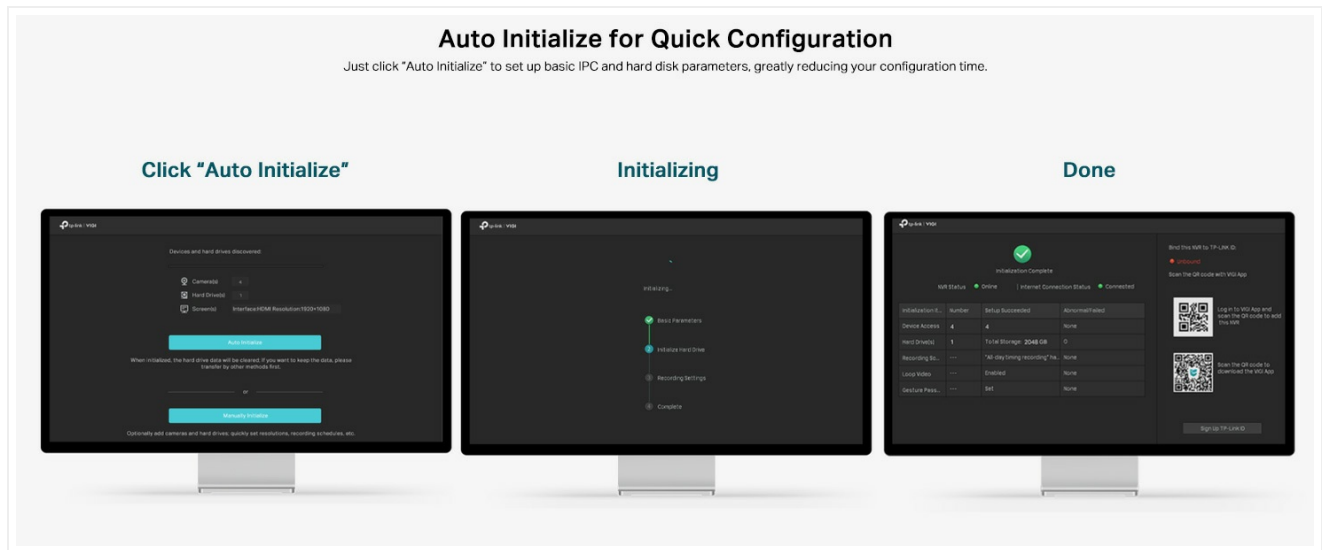


Figure 3: Auto Initialize Process

This image illustrates the three steps of the Auto Initialize process: "Click 'Auto Initialize'", "Initializing", and "Done", showing the on-screen prompts for quick configuration of devices and hard disk settings.

1. Follow the on-screen prompts. Click "Auto Initialize" to begin the process.
2. The NVR will detect connected devices and configure hard disk settings.
3. Once complete, you can proceed to add cameras and further customize settings.

4. OPERATING INSTRUCTIONS

4.1 Live View

After successful setup, the NVR will display the live feeds from connected cameras on the monitor. You can switch between single-camera view and multi-camera grid view using the on-screen controls or mouse.

4.2 Playback

To review recorded footage:

1. Right-click on the live view screen to access the main menu.
2. Select "Playback".
3. Choose the desired camera(s), date, and time range for playback. The NVR supports 4-channel synchronous playback.

4.3 Remote Monitoring

The VIGI NVR1004H supports remote monitoring via the VIGI app (available for smartphones) or a web browser.

- **VIGI App:** Download the TP-Link VIGI app from your device's app store. Follow the in-app instructions to add your NVR by scanning the QR code or manually entering device details.
- **Web Browser:** Access the NVR's web interface by entering its IP address into a web browser on a computer connected to the same network.

4.4 Two-Way Audio

If your connected cameras support two-way audio and you have an external speaker/microphone connected to the NVR's audio ports, you can enable two-way communication through the NVR interface or the VIGI app.

5. MAINTENANCE

5.1 General Care

- Keep the NVR in a well-ventilated area to prevent overheating.
- Avoid exposing the device to direct sunlight, moisture, or extreme temperatures.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners.

5.2 Firmware Updates

Regularly 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. Follow the instructions provided with the firmware update package carefully.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

- **NVR stuck on TP-Link screen during boot:**

This can sometimes occur due to a minor software glitch. To resolve, power off the NVR, open the casing, locate the internal reset button (refer to the quick installation guide for exact location), press and hold it for a few seconds, then restart the device. This typically resolves the issue.
- **No video output on monitor:**
 - Ensure the HDMI/VGA cable is securely connected to both the NVR and the monitor.
 - Verify the monitor is powered on and set to the correct input source.
 - Try a different cable or monitor if available.
- **Cameras not displaying in live view:**
 - Check network connectivity for both the NVR and the cameras.
 - Ensure cameras are powered on and properly configured.
 - Verify that the cameras are compatible with the NVR (ONVIF/CGI).
 - Attempt to re-add the cameras through the NVR's interface.
- **Remote access not working:**
 - Ensure the NVR has an active internet connection.
 - Verify that the VIGI app is updated to the latest version.
 - Check network settings and port forwarding rules on your router if necessary.

7. SPECIFICATIONS

Model	VIGI NVR1004H
Product Dimensions	24.6 x 14.8 x 4.5 Centimeters

Item Weight	590 g
Connectivity Technology	Wired
Compatible Devices	Camera, Laptop, Personal Computers, Smartphone, Tablet
Memory Storage Capacity	Up to 16 TB (1 SATA Interface)
Incoming Bandwidth	80 Mbps
Outgoing Bandwidth	60 Mbps
Video Output	4K HDMI, VGA
Decoding Capability	2-ch @ 8MP / 4-ch @ 4MP
Video Compression	H.265+
Standards	ONVIF, CGI
Manufacturer	TP-Link
Country of Origin	India


8. WARRANTY AND SUPPORT






For warranty information and technical support, please contact TP-Link customer service. You can reach them via the following details:

- **Importer:** TP-link India Private Ltd.
- **Address:** Office no 201, 2nd floor A-wing Time Square Building, Marol naka, Andheri Kurla Road, Andheri East, Mumbai, India
- **Toll Free:** 1800 2094 168
- **Email:** support.in@tp-link.com

Please retain your purchase receipt for warranty claims.

Related Documents - VIGI NVR1004H

	<p>TP-Link VIGI NVR2008H-8MP: 8 Channel PoE+ Network Video Recorder Datasheet</p> <p>Comprehensive datasheet for the TP-Link VIGI NVR2008H-8MP, an 8-channel PoE+ Network Video Recorder. Features include 4K HDMI output, H.265+ compression, 2 SATA interfaces for up to 32TB storage, remote management via VIGI app and PC client, and ONVIF compatibility.</p>
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	<p>TP-Link VIGI NVR2016H-16MP: 16-Channel PoE+ Network Video Recorder</p> <p>Explore the TP-Link VIGI NVR2016H-16MP, a robust 16-channel PoE+ Network Video Recorder designed for comprehensive surveillance. This device offers 4K HDMI output, H.265+ video compression, a 140W PoE budget for powering cameras, and convenient remote management via the VIGI app and PC client. It supports up to 16TB per HDD and ensures broad compatibility with ONVIF.</p>
	<p>TP-Link VIGI NVR1016H 16-Channel Network Video Recorder Datasheet</p> <p>Explore the TP-Link VIGI NVR1016H, a 16-channel network video recorder designed for professional surveillance. It features H.265+ compression, supports up to 16TB of storage, offers 4K video output, and includes smart detection, two-way audio, and remote management capabilities via the dedicated VIGI app. Ensure reliable business security with this advanced NVR.</p>
	<p>TP-Link VIGI NVR1016H: 16-Channel Network Video Recorder Datasheet</p> <p>Explore the TP-Link VIGI NVR1016H, a 16-channel Network Video Recorder with H.265+ compression, up to 16TB storage, 4K output, smart detection, and easy management via the VIGI app. Ideal for professional surveillance.</p>
	<p>TP-Link VIGI Network Video Recorder Installation Guide</p> <p>Comprehensive installation guide for TP-Link VIGI Network Video Recorders, covering appearance, installation, hardware connection, configuration, and troubleshooting.</p>
	<p>TP-Link VIGI NVR1008H-8P: 8-Channel PoE+ Network Video Recorder Datasheet</p> <p>Detailed specifications and overview of the TP-Link VIGI NVR1008H-8P, an 8-channel PoE+ Network Video Recorder designed for professional surveillance with features like H.265+, 4K video output, and mass storage.</p>