tp-link | VIGI

4 Channel
PoE+ Network Video Recorder

MODEL: VIGI NVR1004H-4P/VIGI NVR1004H-4P-2TB



H.265+

4 PoE+ Ports | **53W** PoE Budget

Remote Management
Dedicated VIGI app

Smart Detection
Configuration for Better Monitoring‡

Two-Way Audio
Listen and Talk in Real Time

Sufficient Bandwidth
Enough for 4× 4MP Cameras§

Onvif
Promises Comprehensive Compatibility

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Overview

VIGI Surveillance Solution

The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever. Our outstanding functions, reliable quality guarantees, and simplified installation work together to ensure your business stays safe and sound.

Highlight

5MP Live View

Sharp image definition up to 5MP and an 8 channel display ensure you capture every detail, from every angle.

Simultaneous Playback

Replay the feed from up to 4 cameras** at the same time, increase replay speed, and find events in the video schedule to easily review footage.

Secure Mass Storage

Automatically stores up to 10 TB of footage from connected cameras to secure your data for quick, convenient access.

Easy Management

Seamlessly manage the NVR and connected cameras via the VIGI app, VIGI Security Manager, or direct interface to customize them according to your specific needs.

Streamlined Setup

Simply connect your VIGI NVR and VIGI cameras to a switch, and plug in a monitor, then you're ready to go.

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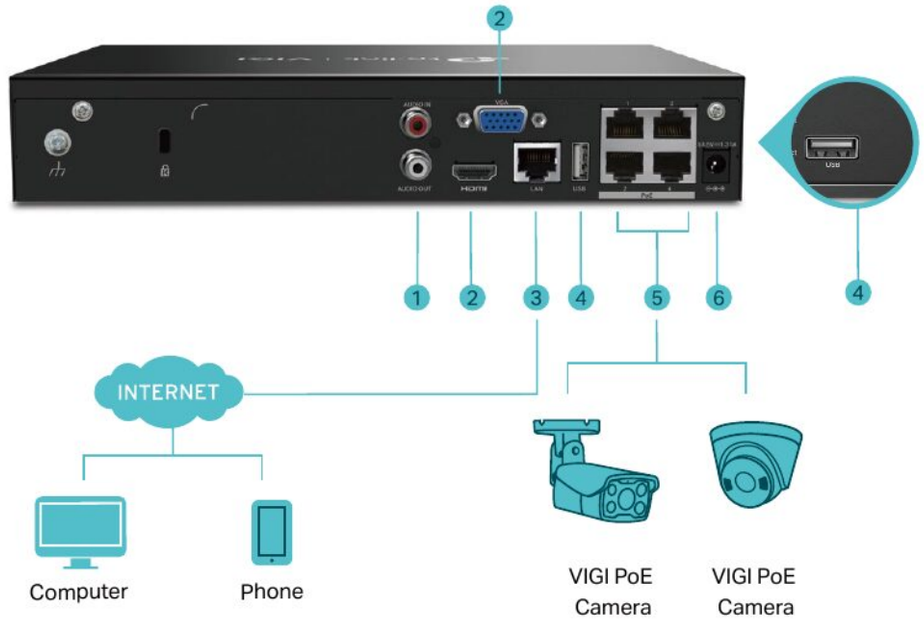
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Network Topology



1. AUDIO IN and AUDIO OUT for Two-Way Audio
2. HDMI and VGA Ports for Video Output
3. LAN Port for Ethernet Connection
4. Two USB Ports for Mouse, Keyboard, or Mobile Hard Disk Connection*
5. Four PoE+ Ports to Connet and Power Your Camera
6. Power Supply

†For VIGI NVR1004H-4P, HDD is not included. VIGI NVR1004H-4P-2TB has a preinstalled HDD.
△Calculations based on laboratory testing using VIGI cameras. 80 Mbps is the maximum bandwidth available for managed cameras connected to the NVR.
§Some features may experience suboptimal performance due to compatibility. For best performance, connect VIGI NVR to VIGI cameras.
‡Calculations based on laboratory testing using a 3MP VIGI camera. Actual performance may vary according to amount of activity recorded, resolution, and other variables.
*A hard disk drive (not included) must be installed for operation.
**Fewer or no channels may be available for playback if the total resolution is greater than 5MP.
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Specifications

NVR	
Product Model	VIGI NVR1004H-4P
Video and Audio	
IP Video Input	4-Channel
Incoming Bandwidth	80 Mbps
Outgoing Bandwidth	60 Mbps
HDMI Output Resolution	1 Channel, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1680x1050/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x720/60Hz
VGA Output Resolution	1 Channel, Resolution: 1920x1080/60Hz, 1680x1050/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x720/60Hz
Video Output Mode	HDMI/VGA Simultaneous Output
Multi-View Display	1/4
Decoding	
Audio Compression	G.711A/G.711U/G.726
Video Compression	H.265+/H.265/ H.264+/H.264
Record Resolution	8MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/ 2CIF/CIF/QCIF
Synchronous Playback	4-Channel†
Capability	• 25fps: 2-ch @ 8MP, 4-ch @ 4MP • 30fps: 4-ch @ 4MP, 3-ch @ 5MP
Record Management	
Record Mode	Manual Recording, Scheduling Recording, Motion Detection Recording
Playback Mode	Instant Playback, Rgular Playback, Tag Playback, Event Playback
Backup Mode	Regular Backup, Video Clip Backup
Playback Function	Play, Pause, Stop, Fast Forward, Fast Backward, Play By Frame, Full Screen, Video Clip, Export Clip, Digital Zoom, Lock Recording, Audio On/ Off
Network	
Network Protocols	UPnP (Plug and Play), NTP (Network Timing), SMTP, TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, RTSP, SSL/TLS, RTP, IPv4, ARP
Interoperability	ONVIF Profile S, CGI
Mobile Phone Access	Android, iOS

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Browser	Chrome (57+), Firefox (52+), Edge (91+)
PoE	
Interface	4× RJ-45 10/100 Mbps PoE Port
PoE Budget	53 W[Δ] Available for All PoE+ Ports, 30 W Max per Port
Standard	802.3at/af Compliant
Auxiliary Interface	
Network Interface	1, RJ-45 10/100 Mbps LAN Port
USB Interface	1 Front USB 2.0 Port, 1 Rear USB 2.0 Port
Audio Interface	1-ch RCA Input; 1-ch RCA Output
Alarm In/Out	N/A
Serial Interface	N/A
Power	1× DC Jack
Reset Button	1
Speaker	N/A
eSATA	N/A
HDMI	1
VGA	1
Hard Disk	
SATA	1 SATA Interface
Capacity	• Up to 10 TB Capacity for Each HDD 1 × 2TB HDD Preinstalled (For VIGI NVR1004H-4P-2TB)
Alarm	
General Alarm	Motion Detection, Video Tampering, Scene Change Detection, Line-Crossing Detection, Intrusion Detection, Region Entering Detection, Region Exiting Detection, Loitering Detection, Object Abandoned/Removal Detection, Vehicle Detection, Human Detection, Abnormal Sound Detection, Smart Frame Note: The alarm function requires the use of a camera.
Anomaly Alarm	Video Loss, Offline and IP Conflict,Disk Exception, Login Exception
Alarm Linkage	Recording, White Ligh Alarm, Buzzer, Log, Audible Alarm Note: The alarm function requires the use of a camera.
General	
Package Contents	• VIGI Network Video Recorder • Power Adapter • Power Cables • Rubber Feet • Mouse • Quick Installation Guide
Power Supply	53.5V DC/1.31A
Max Power Consumption (Without Disk)	4.25 W[Δ] (Without Disk)
Max Power Consumption (With Disk)	13.10 W[Δ] (With Disk)

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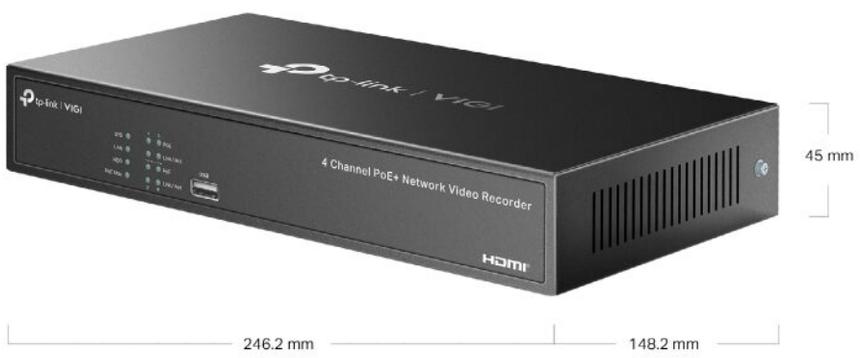
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Working Temperature	• NVR: -10–55 °C • Power Adapter: 0–40 °C
Storage Temperature	-40-70 °C
Working Humidity	10%~90% RH Non-Condensing
Storage Humidity	10%~90% RH Non-Condensing
Product Dimensions (W × D × H)	246.2 × 148.2 × 45 mm
Certification	CE, EAC, UKCA, RCM, Triman, BSMI, VCCI, FCC, IC, HDMI

Build Features







△Calculations are based on laboratory testing. Actual data is not guaranteed and will vary as a result of client limitations and environmental factors.
*The alarm function requires the use of a camera.
†The number of simultaneously playable channels may be fewer than 4, or none, if the total resolution exceeds 16MP.
‡This model currently supports ONVIF Profile S.

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