tp-link | VIGI

4 Channel
Network Video Recorder

MODEL: VIGI NVR1004H

H.265+

VIGI NVR1004H

Smart Detection
Configuration for Better Monitoring‡

Two-Way Audio
Listen and Talk in Real Time

Quick Playback
Support for 4-Channel Synchronous Playback

Onvif
Promises Comprehensive Compatibility

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

4-Channel Live View

Ensure a real-time display of every monitored area on one screen and take everything under your control.

Streamlined Setup

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

4K Video Output

Show more details with up to 8MP resolution for one channel and 16MP decoding capacity in total for all channels

Easy Management

Seamlessly manage the NVR and connected cameras via the web UI, NVR UI, VIGI app, and VIGI Security Manager. Customize the management systems to suit your specific needs.

Practical Playback

Find the target footage easily by date, event types, and tags. Replay with variable playback speeds to quickly review footage.

Mass Storage

1 SATA interface (up to 10 TB) ensure to store and secure your data for quick, convenient access.

Network Topology

1. Power Supply
2. AUDIO IN and AUDIO OUT for Two-Way Audio
3. HDMI and VGA Ports for Video Output
4. LAN Port for Ethernet Connection
5. Two USB Ports for Mouse, Keyboard, or Mobile Hard Disk Connection[△]

HIGH DEFINITION MULTIMEDIA INTERFAICE

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

[†]HDD is not included.
[‡]Some features may operate sub-optimally due to compatibility issues. For best performance, we recommend using VIGI NVR with VIGI cameras.
[△]A hard disk drive (not included) must be installed for operation.

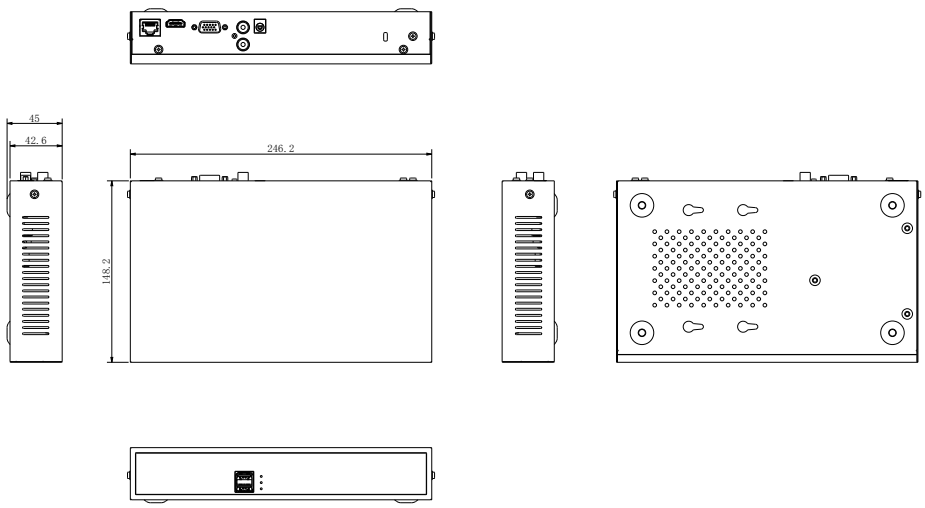
Specifications

NVR	
Product Model	VIGI NVR1004H
Video and Audio	
IP Video Input	4-Channel
Incoming Bandwidth	80 Mbps
Outgoing Bandwidth	60 Mbps
HDMI Output Resolution	1 Channel, Resolution: 3840 ×2160/30Hz, 1920 × 1080/60Hz, 1680× 1050/60Hz, 1440 × 900/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
VGA Output Resolution	1 Channel, Resolution: 1920 × 1080/60Hz, 1680× 1050/60Hz, 1440 × 900/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
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	8 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous Playback	4-Channel
Capability	25fps: 2-ch @ 8MP, 4-ch @ 4MP, 8-ch @ 2MP 30fps: 4-ch @ 3MP, 2-ch @ 5MP
Record Management	
Record Mode	• Manual Recording • Scheduling Recording • Motion Detection Recording
Playback Mode	• Instant Playback • Regular 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)
Interoperability	ONVIF, CGI
Mobile Phone Access	Android, iOS
Browser	Chrome (57+), Firefox (52+), Edge (91+)
External Interface	
Network Interface	1, RJ-45 10/100 Mbps Self-Adaptive Ethernet Interface
USB Interface	2× USB 2.0
Audio Interface	1-inch RCA Input; 1-inch 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
Alarm	
General Alarm	• Motion Detection • Video Tampering • Line-Crossing Detection • Intrusion Detection • Region Entering Detection • Region Exiting Detection • Object Abandoned/Removal Detection • Vehicle Detection • Human Detection • Smart Frame

Anomaly Alarm	• Video Loss • Offline and IP Conflict • Disk Exception • Login Exception
Alarm Linkage	• Recording • White Light Alarm • Buzzer • Log • Audible Alarm
General	
Package Contents	• VIGI Network Video Recorder • Power Adapter • HDD Screws • Mouse • Rubber Feet • Quick Installation Guide
Power Supply	DC 12V/1.5A
Max Power Consumption (Without Disk)	4.25 W
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
Net Weight	0.59 kg
Gross Weight	0.95 kg
Certification	CE, EAC, UKCA, RCM, Triman, BSMI, VCCI, FCC, IC, HDMI

Dimensions



Security Standards Compliance
All VIGI products are fully compliant with the following security and safety standards:

- EN 55032:2015 + A11:2020
- EN 55035:2017 + A11:2020
- EN IEC 61000-3-2:2019 + A1:2021
- EN 61000-3-3:2013 + A2:2021
- EN IEC 61000-6-3:2021 + AC:2022-01
- EN IEC 61000-6-1:2019
- EN 50130-4:2011 + A1:2014
- EN 62368-1:2014 + A11:2017
- EN IEC 63000:2018
- (EU) 2023/826