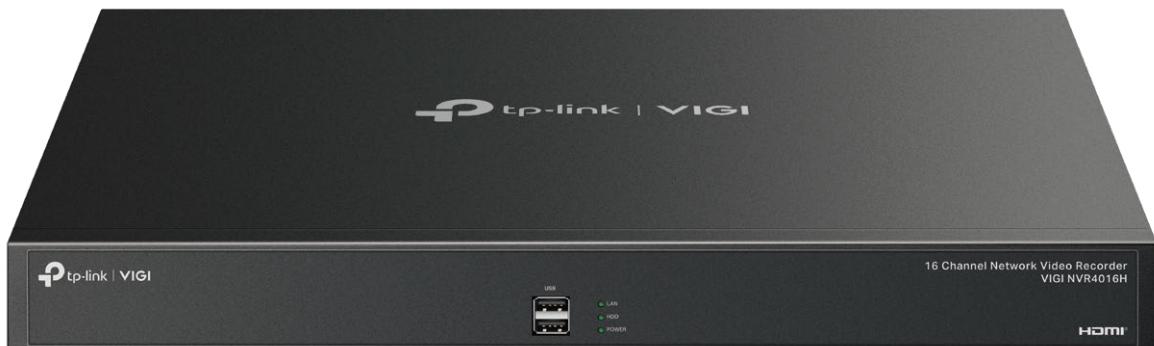




16 Channel Network Video Recorder

MODEL: VIGI NVR4016H



H.265+

VIGI NVR4016H



4 HDD (Up to 16 TB Each)[†]
Store and Recall Everything



Smart Detection



Two-Way Audio



Onvif



**Smart Search by
Motion and Object***

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



16-Channel Live View

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



4K Video Output

Show more details with up to 8MP resolution for one channel and 16-ch@2MP/ 8-ch@4MP decoding capacity in total for all channels



Mass Storage

4 SATA interfaces (up to 16TB capability per HDD) ensure to store and secure your data for quick, convenient access.



Easy Management

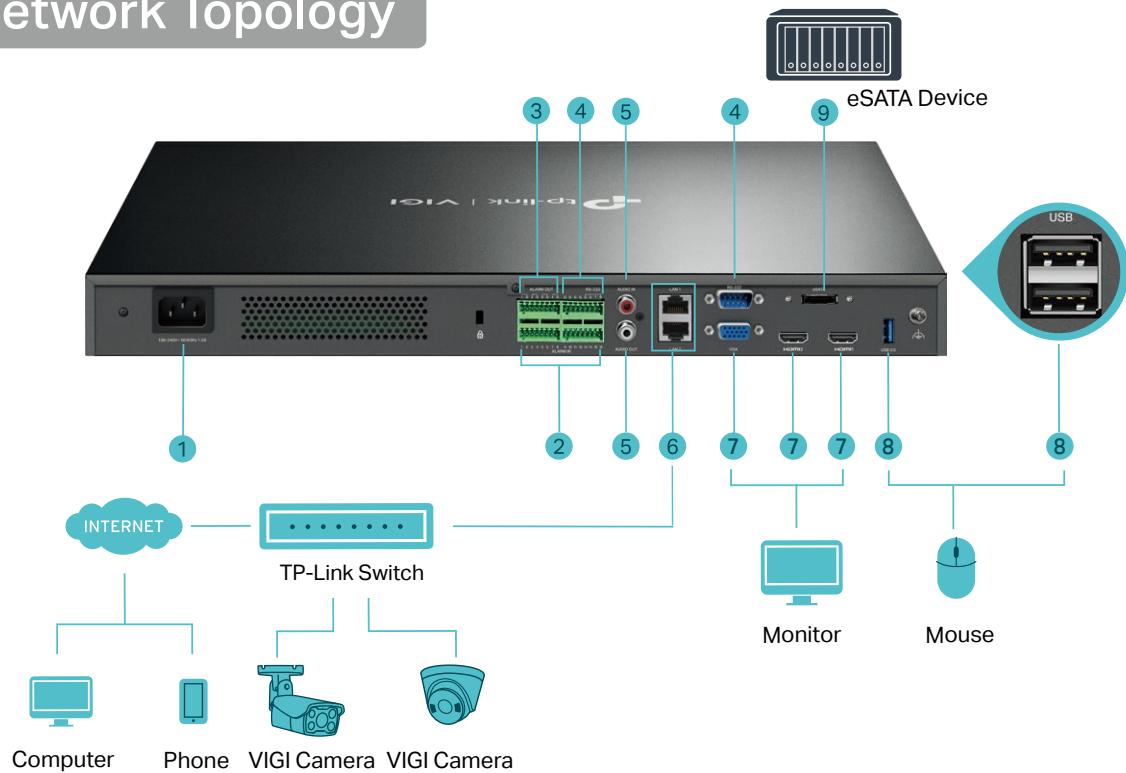
Seamlessly manage the NVR and connected cameras via the web UI, NVR UI, VIGI app, and VIGI Security Manager. Customize the management systems to suit your specific needs.



Smart Search by Motion and Object*

Efficiently search out and review certain video clips by motion type, characteristics of person/vehicle, tag, and more.

Network Topology



1. Power Supply
2. 16 x ALARM IN for Alarm Detectors Connection, Such as Smoke Detector
3. 4 x ALARM OUT for External Alarm Devices Connection, Such as Warning Light, and Alarm Bell
4. Two Forms of RS-232 Ports to Debug and Pass Through Serial Data
5. AUDIO IN and AUDIO OUT for Two-Way Audio
6. 2 x LAN Ports for Ethernet Connection
7. HDMI and VGA Ports for Independent Video Output
8. 1 x USB 3.0 (Rear) Port and 2 x USB 2.0 (Front) Ports for Mouse, Keyboard, or Mobile Hard Disk Connection[†]
9. eSATA interface for eSATA device

Specifications are subject to change without notice. ©2024 TP-Link

[†]A hard disk drive (not included) must be installed for operation.

Specifications

| Model | VIGI NVR4016H | |
|-----------------|------------------------|--|
| Video and Audio | IP Video Input | 16-Channel |
| | Incoming Bandwidth | 320Mbps |
| | Outgoing Bandwidth | 320Mbps |
| | HDMI Output Resolution | 2 Channels • HDMI1 Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1680x1050/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x720/60Hz • HDMI2 Resolution: 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 | • HDMI1/HDMI2 Independent output • HDMI1/VGA Independent output Note: HDMI2 and VGA cannot operate simultaneously. If both connections are made, HDMI2 will take precedence and function as the primary output. |
| | Multi-View Display | 1,4,6,8,9,16 |
| 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 | 16-Channel [†] |
| | Capability | • 25fps: 10-ch@3MP, 16-ch@1080P • 30fps: 4-ch@8MP, 6-ch@5MP, 8-ch@4MP |

| | | |
|--------------------|---------------------|---|
| Record Management | Record Mode | <ul style="list-style-type: none"> • Manual Recording • Scheduling Recording • Motion Detection Recording |
| | Playback Mode | <ul style="list-style-type: none"> • Instant Playback • Regular Playback • Tag Playback • Event Playback |
| | Backup Mode | <ul style="list-style-type: none"> • Regular Backup • Video Clip Backup |
| | Playback Function | <ul style="list-style-type: none"> • Play • Pause • Stop • Fast Forward • Fast Backward • Play By Frame • Full Screen • Video Clip • Export Clip • Digital Zoom • Lock Recording • Audio On/Off |
| Network | Protocols | UPnP (Plug and Play), NTP (Network Timing), SMTP, DNS, TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, RTSP, SSL/TLS, RTP, IPv4, ARP, FTP/SFTP, IPv6, SNMP |
| | Interoperability | ONVIF Profile S/T, CGI |
| | Mobile Phone Access | Android, iOS |
| | Browser | Chrome (57+), Firefox (52+), Edge (91+) |
| Hard Disk | SATA | 4 SATA Interfaces |
| | Capacity | Up to 16 TB Capacity for Each HDD* |
| External Interface | Network Interface | 2, RJ-45 10/100/1000 Mbps Self-Adaptive Ethernet Interface |
| | USB Interface | Front Panel: 2 × USB 2.0; Rear Panel: 1 × USB 3.0 |
| | Audio Interface | 1-ch RCA Input; 1-ch RCA Output |
| | Alarm In/Out | 16/4 |
| | Serial Interface | 1, RS232 |
| | Power | 1 × AC Jack |
| | Reset Button | 1 |
| | Speaker | N/A |
| | eSATA | 1 |
| | HDMI | 2 |

| | | |
|---------|---------------------|--|
| Alarm | General Alarm | <ul style="list-style-type: none"> 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 <p>Note: The alarm function requires the use of a camera.</p> |
| | Anomaly Alarm | <ul style="list-style-type: none"> Video Loss Offline and IP Conflict Disk Exception Login Exception Fan Exception |
| | Alarm Linkage | <ul style="list-style-type: none"> Recording White Light Alarm Buzzer Log Audible Alarm <p>Note: The alarm function requires the use of a camera.</p> |
| General | Power Supply | 100-240 VAC, 50 to 60HZ, 1.5A |
| | Power Consumption | <ul style="list-style-type: none"> 5.5 W (Without Disk) 45 W (With Disk) |
| | Working Temperature | NVR: -10 °C to 55 °C (14 °F to 131 °F) |
| | Storage Temperature | -40 °C to 70 °C (-40 °F to 158 °F) |
| | Working Humidity | 10%~90% RH Non-Condensing |
| | Storage Humidity | 10%~90% RH Non-Condensing |
| | Package Contents | <ul style="list-style-type: none"> VIGI Network Video Recorder Mouse Installation Guide Power Cord HDD Power Cables HDD Data Cables Terminal Blocks Mounting Brackets Screws Rubber Feet |
| | Product Dimensions | 17.32 × 12.99 × 1.73 in (440 × 330 × 44 mm) |
| | Weight | Net: 4.0 Kg [#] ; Gross: 5.0 Kg [#] |

Build Features



*HDD is not included.

[†]The number of simultaneously playable channels may be fewer than 16, or none, if the total resolution exceeds 32MP.

*HDD is not included.

[#]Due to the weight of this model, it is recommended to use a tray when mounting the rack with angle iron. Please note that the tray is not included.