tp-link | VIGI

16 Channel
Network Video Recorder

MODEL: VIGI NVR4016H



H.265+

VIGI NVR4016H

4 HDD (Up to16 TB Each)†
Store and Recall Everything

Smart Detection

Two-Way Audio

Onvif

Smart Search by Motion and Object*

tp-link

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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

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.

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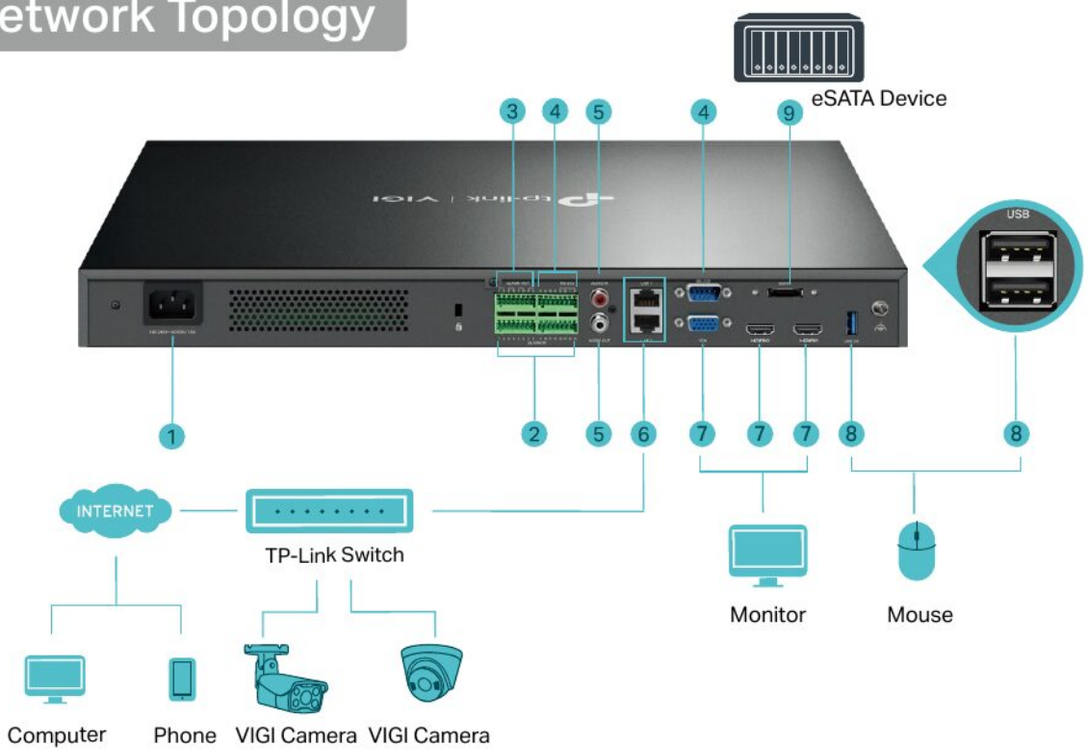
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Network Topology



1. Power Supply
2. 16 × ALARM IN for Alarm Detectors Connection, Such as Smoke Detector
3. 4 × 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 × LAN Ports for Ethernet Connection
7. HDMI and VGA Ports for Independent Video Output
8. 1 × USB 3.0 (Rear) Port and 2 × 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.

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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

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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	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

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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 • Fan Exception
	Alarm Linkage	• Recording • White Light Alarm • Buzzer • Log • Audible Alarm Note: The alarm function requires the use of a camera.
General	Power Supply	100-240 VAC, 50 to 60HZ, 1.5A
	Power Consumption	• 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	• 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#
	Certifications	CE, NTRA, KC, HDMI, FCC, IC, VCCI, BSMI, ONVIF, UL

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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.

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