tp-link | VIGI

16 Channel
PoE+ Network Video Recorder

MODEL: VIGI NVR2016H-16P



H.265+

16 PoE+ Ports | **90W** PoE Budget

2 SATA Interfaces
Up to 10 TB for Each HDD

Remote Management
Dedicated VIGI app

Smart Detection
Configuration for Better Monitoring‡

Two-Way Audio
Listen and Talk in Real Time

Quick Playback
Support for 16-Channel Synchronous Playback

Onvif
Promises Comprehensive Compatibility

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.

16× PoE+ Ports for Simple Deployment

Easily connect and power your PoE camera with one RJ45 cable transmitting both data and power. No power adapter needed.

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

2 SATA interfaces (up to 10 TB per each HDD) ensure to store and secure your data for quick, convenient access.

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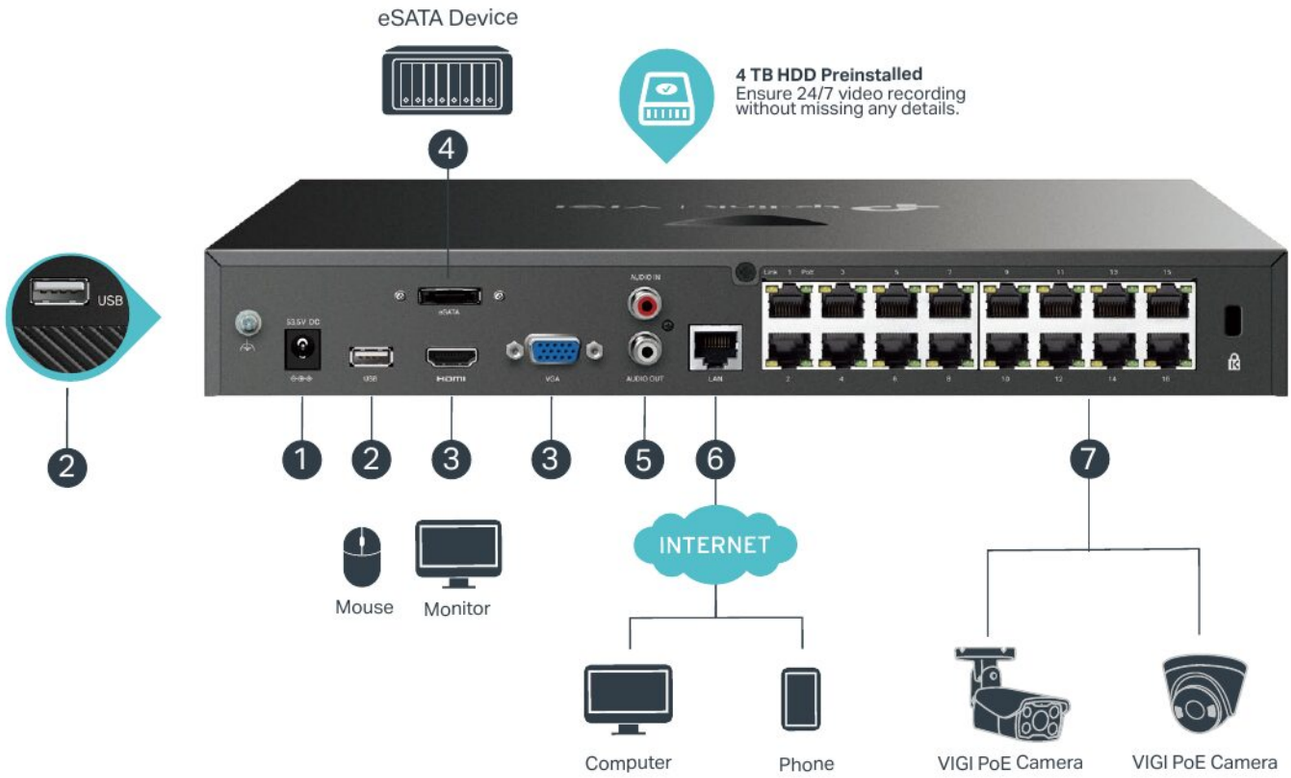
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Network Topology



1. Power Supply
2. Two USB Ports for Mouse, Keyboard, or Mobile Hard Disk Connection△
3. HDMI and VGA Ports for Video Output
4. eSATA interface for eSATA device
5. AUDIO IN and AUDIO OUT for Two-Way Audio
6.LAN Port for Ethernet Connection
7.PoE ports for PoE cameras

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.

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Specifications

NVR	
Product Model	VIGI NVR2016H-16P
Video and Audio	
IP Video Input	16-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	1/4/6/8/9/16
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: 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, 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)
Interoperability	ONVIF, CGI
Mobile Phone Access	Android, iOS
Browser	Chrome (57+), Firefox (52+), Edge (91+)

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PoE	
Interface	16 × RJ-45 10/100 Mbps PoE Port
Power	90W
Standard	IEEE 802.3 af/at
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, Audio In; 1, Audio Out
Alarm In/Out	N/A
Serial Interface	N/A
Power	1× DC Jack
Reset Button	1
Speaker	N/A
eSATA	1
HDMI	1
VGA	1
Hard Disk	
SATA	2 SATA Interfaces
Capacity	Up to 10 TB Capacity for Each HDD
Alarm	
General Alarm	Motion Detection, Video Tampering, Intrusion Detection, Line-Crossing Detection
Anomaly Alarm	Video Loss, Offline and IP Conflict,Disk Exception, Login Exception, Fan Exception
Alarm Linkage	Recording, White Ligh Alarm, Buzzer, Log, Audible Alarm
General	
Package Contents	• VIGI Network Video Recorder • Power Adapter • Power Cables • HDD Power Cables • HDD Data Cables • Mounting Accessories • Mouse • Quick Installation Guide
Power Supply	DC 53.5V/2.43A
Max Power Consumption (Without Disk)	6.2 W
Max Power Consumption (With Disk)	40W
Working Temperature	-10-55 °C
Storage Temperature	-40-70 °C

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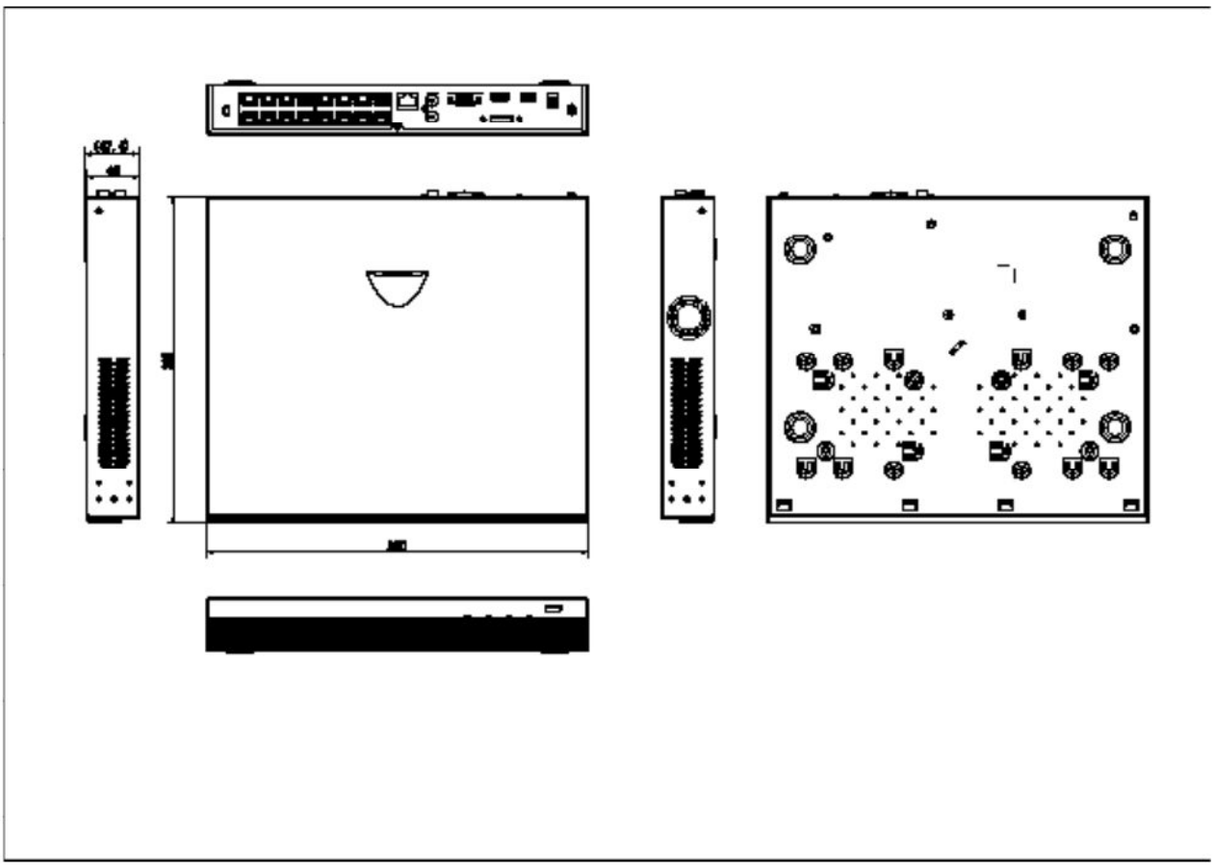
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Working Humidity	10%~90% RH Non-Condensing
Storage Humidity	10%~90% RH Non-Condensing
Product Dimensions (W × D × H)	330 × 285 × 45 mm
Net Weight	2.1Kg
Gross Weight	3.85 Kg
Certification	CE, EAC, UKCA, RCM, Triman, BSMI, VCCI, FCC, IC, HDMI

Dimensions



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