



# 16 Channel Network Video Recorder

MODEL: VIGI NVR2016H



## H.265+

VIGI NVR2016H



**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

## 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.



#### 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

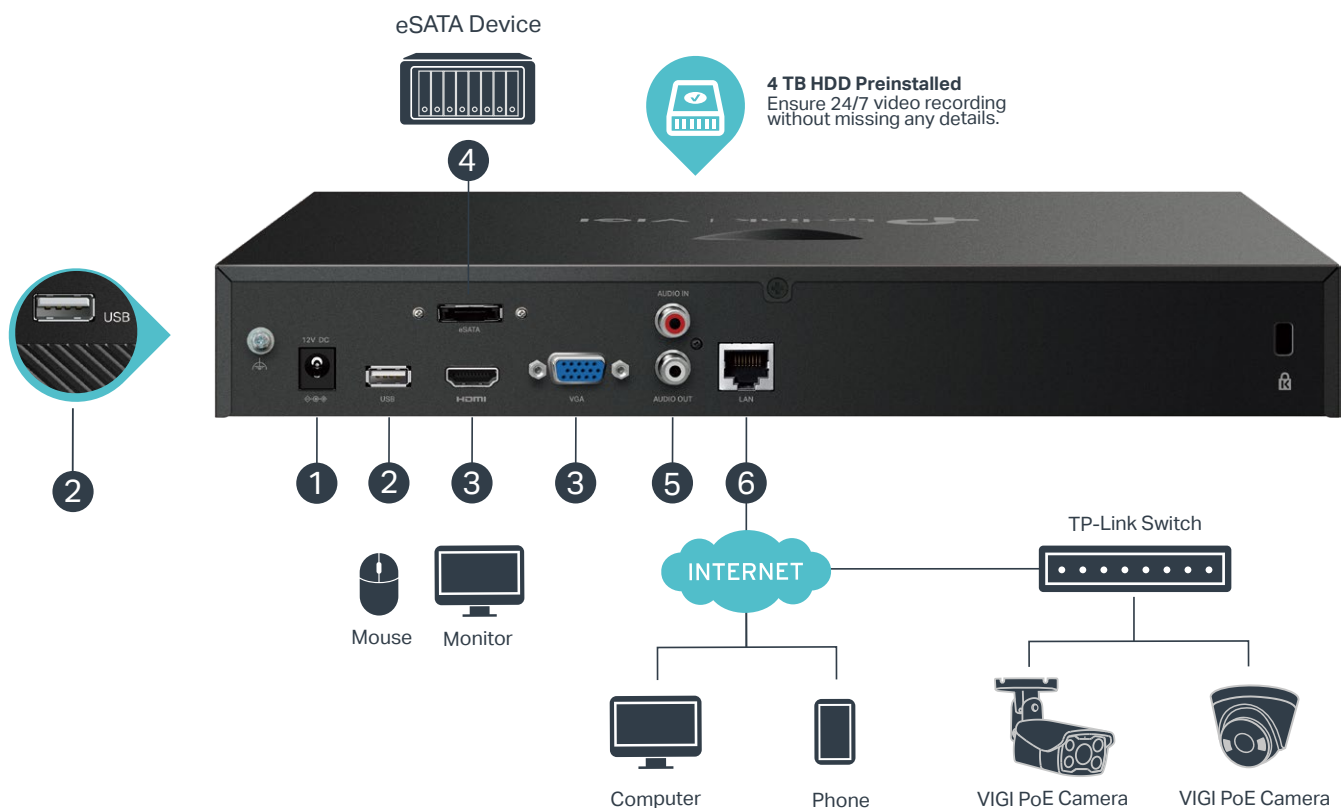
Find the target footage easily by date, event types, and tags. Replay with variable playback speeds to quickly review footage.



#### Mass Storage

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

# Network Topology



1. Power Supply
2. Two USB Ports for Mouse, Keyboard, or Mobile Hard Disk Connection<sup>^</sup>
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



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.

<sup>†</sup>HDD is not included.

<sup>\*</sup>Some features may operate sub-optimally due to compatibility issues. For best performance, we recommend using VIGI NVR with VIGI cameras.

<sup>^</sup>A hard disk drive (not included) must be installed for operation.

# Specifications

| NVR                    |   |
|------------------------|---|
| Product Model          | VIGI NVR2016H   |
| 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:<br>2-ch @ 8MP, 4-ch @ 4MP, 8-ch @ 2MP<br>30fps:<br>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                        | 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 Light Alarm, Buzzer, Log, Audible Alarm   |
| General                              |  |
| Package Contents                     | <ul style="list-style-type: none"> <li>• VIGI Network Video Recorder</li> <li>• Power Adapter</li> <li>• Power Cables</li> <li>• HDD Power Cables</li> <li>• HDD Data Cables</li> <li>• Mounting Accessories</li> <li>• Mouse</li> <li>• Quick Installation Guide</li> </ul> |
| Power Supply                         | DC 12V/3.3A  |
| Max Power Consumption (Without Disk) | 4.778 W  |
| Max Power Consumption (With Disk)    | 24.16W   |
| Working Temperature                  | -10-55 °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)       | 330 × 285 × 45 mm  |
| Net Weight                           | 1.9Kg  |

|              |        |
|--------------|--------|
| Gross Weight | 3.2 Kg |
|--------------|--------|

|               |   |
|---------------|---|
| Certification | CE, EAC, UKCA, RCM, Triman, BSMI, VCCI, FCC, IC, HDMI |
|---------------|---|

## Dimensions

