16 Channel
Network Video Recorder

MODEL: VIGI NVR2016H



H.265+

VIGI NVR2016H

4K HDMI Output
Provides Finer Details and Crystal Clarity

Quick Playback
16-Channel Synchronous Playback*

2 SATA Interfaces
Up to 16 TB Capability for Each HDD**

Remote Management
Dedicated VIGI app and PC Client

ONVIF
Comprehensive Compatibility

Overview

VIGI Surveillance Solution

The VIGI network video recorder coordinates with camera systems to help you view, store, and play back videos.

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 HDMI Output

Show more details with up to 8MP resolution for one channel and 20MP decoding capacity in total for all channels.



Remote Management

Take full control over your security anytime and anywhere on the VIGI app or PC client.



Practical Playback

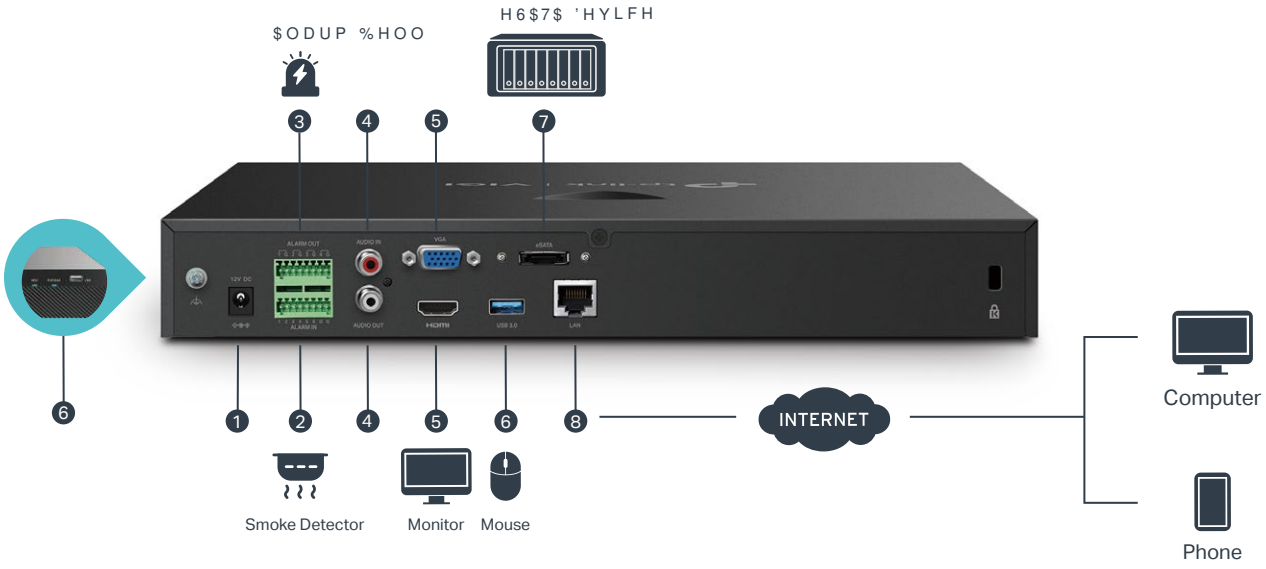
Find the target footage easily by date, event types, and tags. Replay with variable playback speeds to quickly review footage. ‘



Non-Stop Recording

Stores up to 32 TB of footage from connected cameras to secure your data for quick and convenient access.

Network Topology



1. Power Supply

· $ODUP ,1 3RUWV WR &RQQHFW ([WHUQDO 6HQVRUV

· $ODUP 287 3RUWV WR &RQQHFW $ODUP 'HYLFHV

$8',2 ,1 DQG $8',2 287 IRU 7ZR :D\ $XGLR

+'0, DQG 9*$ IRU 9LGHR ,QGHSHQGHQW 2XWSXW

· 86% 3RUW 5HDU DQG · 86% 3RUW)URQW IRU 0RXVH and Keyboard Connections

· H6$7$ 3RUW WR &RQQHFW DQ ([WHUQDO 6WRUDJH 'HYLFH

· 0ESV /$1 3RUW IRU (WKHUQHW &RQQHFWLRQ

†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.

$ KDUG GLVN GULYH QRW LQFOXGHG PXVW EH LQVWDOOHG IRU RSHUDWLRQ 6SHFLILFDWLRQV DUH VXEMHFW WR FKDQJH ZLWKRXW QRWLFH 73 /LQN

6SHFLfiFD

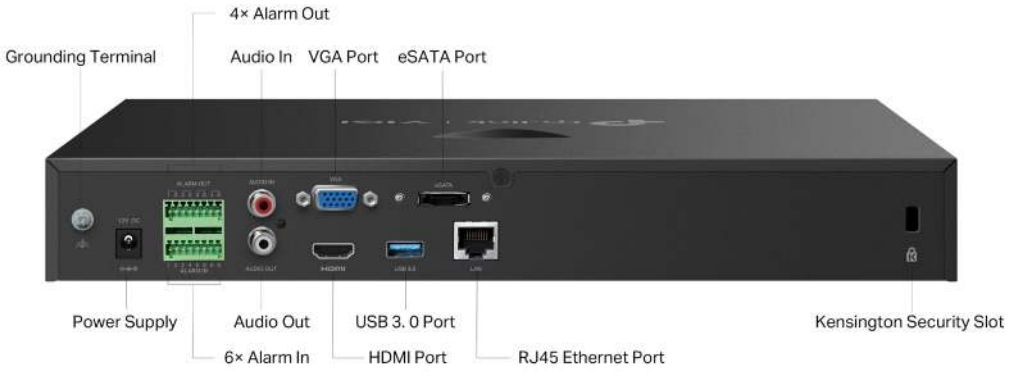
NVR	
Product Model	VIGI NVR2016H
Video and Audio	
IP Video Input	16-Channel
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	160 Mbps
HDMI Output Resolution	1 Channel, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1680x1050/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x720/60Hz
VGA Output Resolution	1 Channel, Resolution: 1920x1080/60Hz, 1680x1050/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x720/60Hz
Video Output Mode	HDMI and VGA Independent / 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: 10-ch@1080P • 30fps: 2-ch@8MP, 4-ch@5MP, 5-ch@4MP, 6-ch@3MP
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 r $XGLR 2Q 2‹
Network	
Network Protocols	UPnP (Plug and Play), NTP (Network Timing), SMTP, DNS, TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, RTSP, SSL/TLS, RTP, IPv4, ARP, IPv6, SNMP
Interoperability	219,) 3URfiOH 6 7 &*,
Mobile Phone Access	Android, iOS
Browser	Chrome (57+), Firefox (52+), Edge (91+)
External Interface	
Network Interface	1, RJ-45 10/100/1000 Mbps Self-Adaptive Ethernet Interface
USB Interface	1 Front USB 2.0 Port, 1 Rear USB 3.0 Portt
Audio Interface	1-ch RCA Input; 1-ch RCA Output
Alarm In/Out	6/4
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 16 TB Capacity for Each HDD*

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 r 2†LQH DQG ,3 &RQ LFW • 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	
Package Contents	• VIGI Network Video Recorder • Power Adapter • HDD Power Cable • HDD Data Cables • Mounting Brackets • Screws • Rubber Feet • Mouse • HDD Screws • Quick Installation Guide
Power Supply	DC 12V/3.3A
Max Power Consumption	• 7.475 W (Without Disk) • 28.635 W (With Disk)
Working Temperature	• NVR: -10 °C to 55 °C (14 to 131) • Power Adapter: 0 °C to 40 °C (32 to 104)
Storage Temperature	-40 °C to 70 °C (-40 to 158)
Working Humidity	10%~90% RH Non-Condensing
Storage Humidity	10%~90% RH Non-Condensing
Product Dimensions (W × D × H)	13.0 × 11.2 × 1.8 in (330 × 285 × 45 mm)
Net Weight	2.0 Kg#
Gross Weight	3.3 Kg#
Certification	CE, NTRA, Triman, BSMI, VCCI, FCC, HDMI, ONVIF S

Build Features







*HDD is not included.

*A hard disk drive (not included) must be installed for operation.
†The number of simultaneously playable channels may be fewer than 16, or none, if the total resolution exceeds 20MP.
#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.