tp-link | VIGI

Datasheet
Security Never Shuts Down

4MP Full-Color Turret IPC & 8 Channel PoE+ NVR Kit

MODEL:VIGI NK8MP-T6425-2T

Human & Vehicle Classification
Reduces False Alarms

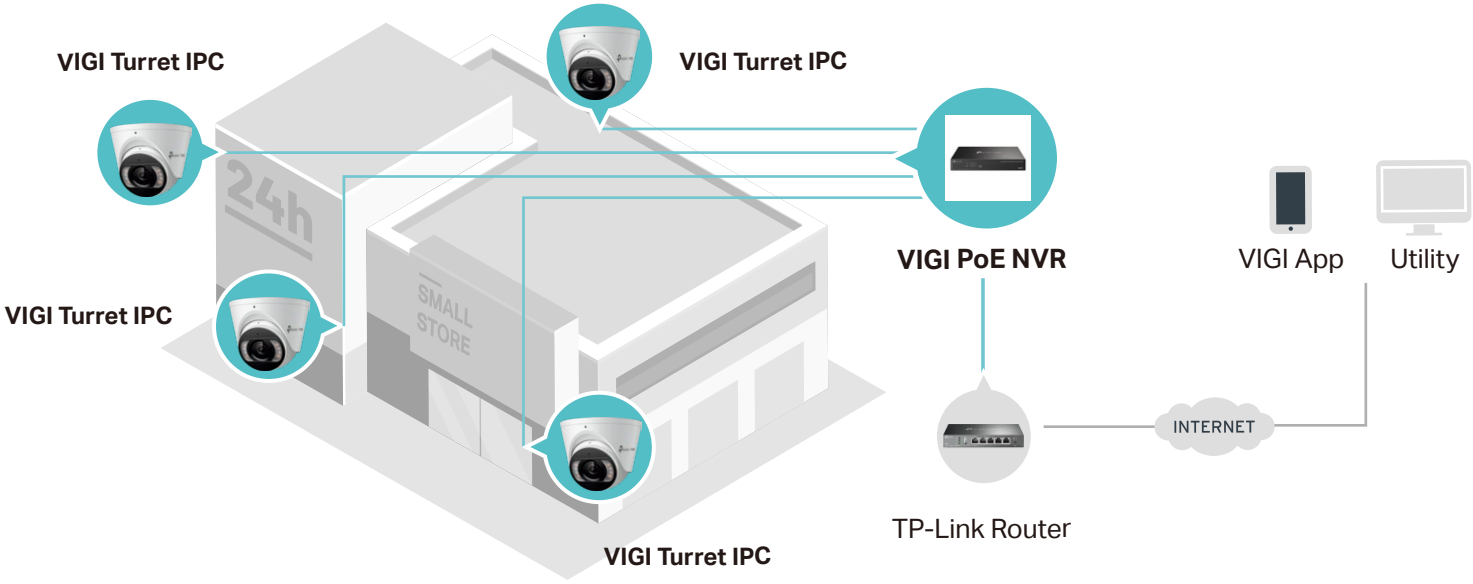
Smart Detection
Proactively Detects Abnormal Events

H.265+ Video Coding
Saves Storage Space

IP67 Weatherproof
Ensures Stable Outdoor Performance

VIGI Surveillance Solution

The VIGI NVR Kit is dedicated to helping you quickly deploy surveillance system and providing uninterrupted protection for your business. It is suitable for small-scale scenarios, such as small shops and offices.



VIGI Surveillance Introduction

This NVR kit is designed to help you quickly install, configure, and deploy a complete video solution.

4MP Super-High Definition

The camera boasts a 4MP resolution—ample for capturing even the more discreet details.

Smart Detection

Actively detects abnormal events like area intrusion and line-crossing, sending notifications to you instantly.

4K HDMI Video Output

Show more details with up to 8MP resolution for one channel and 16MP decoding capacity in total for all channels.

8× PoE+ Ports for Simple Deployment

Easily connect and power your PoE camera with one RJ45 cable transmitting both data and power.

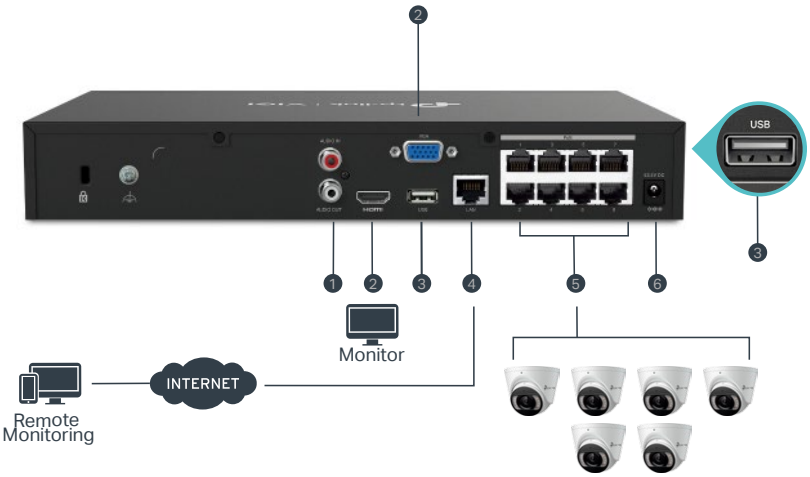
Human & Vehicle Classification

Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.

Mass Storage (2 TB Preinstalled)

Stores up to 16 TB of footage from connected cameras to secure your data for quick and convenient access.

2TB HDD Preinstalled
Ensures 24/7 video recording without missing anything.



1. AUDIO IN and AUDIO OUT for Two-Way Audio
2. HDMI and VGA Ports for Video Output
3. 2× USB 2.0 Ports for Mouse and Keyboard Connection
4. 1× LAN Port for Ethernet Connection
5. 8× PoE+ Ports to Connect and Power Your Cameras
6. Power Supply

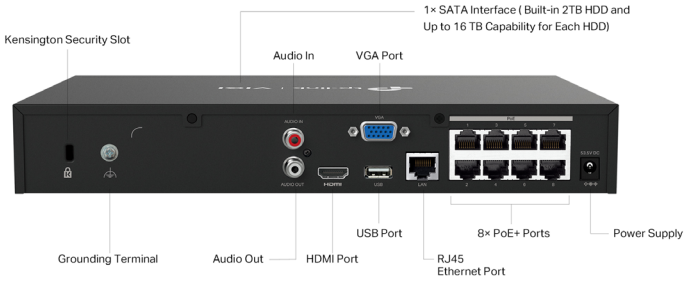
Specifications

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Shutter Speed	1/3 to 1/10000 s
Slow Shutter	Yes
Aperture	F1.6
Lens	2.8 mm, Fixed Focal Lens
Lens Mount	M12*P 0.5
FOV	Horizontal FOV: 100°, Vertical FOV: 54°, Diagonal FOV: 118°
Min. Illumination	0.005 Lux; 0 Lux with IR/White Light
Day/Night Mechanism	IR Cut Filter
Day/Night Switch	Unified/ Scheduled/ Auto
White LED	• Quantity: 4 • Range: 30m
IR LED	• Quantity: 4 • Range: 30m • Wavelength: 850nm
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Max. Resolution	2688 x 1520
Main Stream	• Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 2688x1520, 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720 Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.

Sub-Stream	• Frame Rate 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 704x576,640x480, 352x288, 320x240 Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
Video Compression	• Main Stream: H.265+/H.265/H.264+/H.264 • Sub-Stream: H.265/H.264
Linkage Method	N/A
Output Notification	Message Push
Operating Temperature	-30–60 °C
Power Supply	• 12V DC ± 5%, Max. 11 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 12 W
Weatherproof Rating	IP67
Check VIGI C445 (2.8mm)'s datasheet to learn more.	
NVR	
IP Video Input	8-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 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	8-Channel*
Decoding Capability	2-ch @ 8MP, 4-ch @ 4MP, 8-ch @ 2MP

Hard Disk	• 1 SATA Interface • Up to 16 TB Capacity for Each HDD • 1 × 2TB HDD Preinstalled
PoE Budget	113 W Available for All PoE+ Ports†, 30 W Max per Port
Power Supply	53.5V DC/2.43 A
Working Temperature	• NVR: -10–55 °C • Power Adapter: 0–40 °C
Working Humidity	10%~90% RH Non-Condensing
Check VIGI NVR1008-8MP's datasheet to learn more.	

Build Features



Security Standards Compliance
All VIGI products are fully compliant with the following security and safety standards:

- EN 55032:2015 + A11:2020
- EN 55035:2017 + A11:2020
- EN IEC 61000-3-2:2019 + A1:2021
- EN 61000-3-3:2013 + A2:2021
- EN IEC 61000-6-3:2021 + AC:2022-01
- EN IEC 61000-6-1:2019
- EN 50130-4:2011 + A1:2014
- EN 62368-1:2014 + A11:2017
- EN IEC 63000:2018
- (EU) 2023/826

*The number of simultaneously playable channels may be fewer than 8, or none, if the total resolution exceeds 16MP.
†PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.
Specifications are subject to change without notice and can be found at www.tp-link.com.
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