tp-link | VIGI

VIGI Intelligent Surveillance Solutions

Cameras | Video Recorders | Accessories | Software Service

2024 Product Guide

CORPORATE PROFILE

Founded in 1996, TP-Link is a global conglomerate specializing in network communications, consumer electronics, and surveillance. We've grown from humble beginnings to a world leader, consistently ranked as the No. 1 provider of Wi-Fi devices by analyst firm IDC for over a decade.* Our product range, featuring top brands like TP-Link®, Kasa®, Tapo®, TP-Link Omada®, Aginet™, and VIGI®, connects over 1.7 billion people in more than 170 countries.

We are committed to independent R&D, manufacturing, and marketing, ensuring high-quality, reliable, and high-performance products. Our three R&D centers and four global supply systems, supported by over 40 subsidiaries, underscore our operational excellence and innovative edge.

As we continue to harness cutting-edge technology, our focus remains on making life better with technology, fostering a sustainable and safer society, and bringing innovative solutions to users worldwide. Our guiding principle, 'Reliable,' is embedded in every aspect of our development, reflecting our dedication to enhancing technology's wonders for all.

About VIGI

The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever. Intelligent functions, reliable quality guarantees, and world-class support work together in our one-stop solutions to ensure your business is safe and sound.

VIGI stands on the shoulders of TP-Link and is always moving forward. Based on TP-Link's rich experience in the surveillance market and professional business solutions, VIGI is committed to providing continuous, structured vigilance for you and your business with innovations and reliability.
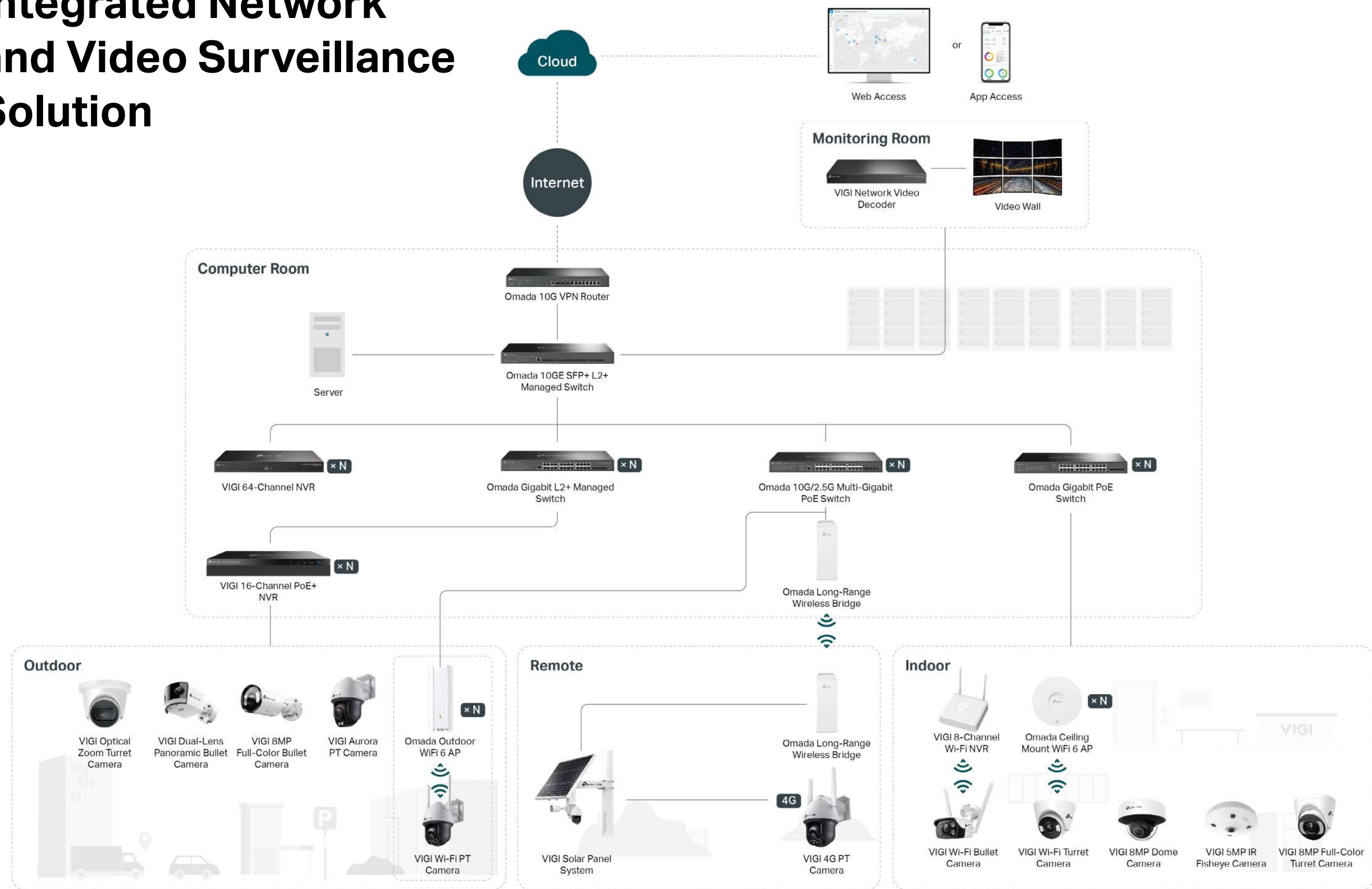
*According to the IDC Worldwide Quarterly WLAN Tracker Report, Q4 2022 Final Release

CONTENTS

Integrated Network and Video Surveillance Solution

Cloud

Web Access or App Access

Internet

Monitoring Room

VIGI Network Video Decoder

Video Wall

Computer Room

Omada 10G VPN Router

Server

Omada 10GE SFP+ L2+ Managed Switch

VIGI 64-Channel NVR × N

Omada Gigabit L2+ Managed Switch × N

Omada 10G/2.5G Multi-Gigabit PoE Switch × N

Omada Gigabit PoE Switch × N

VIGI 16-Channel PoE+ NVR × N

Omada Long-Range Wireless Bridge

Outdoor

VIGI Optical Zoom Turret Camera

VIGI Dual-Lens Panoramic Bullet Camera

VIGI 8MP Full-Color Bullet Camera

VIGI Aurora PT Camera

Omada Outdoor WiFi 6 AP × N

VIGI Wi-Fi PT Camera

Remote

Omada Long-Range Wireless Bridge

4G

VIGI Solar Panel System

VIGI 4G PT Camera

Indoor

VIGI 8-Channel Wi-Fi NVR

Omada Ceiling Mount WiFi 6 AP × N

VIGI Wi-Fi Bullet Camera

VIGI Wi-Fi Turret Camera

VIGI 8MP Dome Camera

VIGI 5MP IR Fisheye Camera

VIGI 8MP Full-Color Turret Camera

*Products and solutions are chosen based on real monitoring needs.

Highlights

Centralized Control Network and Surveillance Devices

TP-Link Integrated Network and Video Surveillance Solution combines high-performance network equipment with powerful video devices with an single interface, achieving 100% hassle-free centralized management, anywhere, anytime.
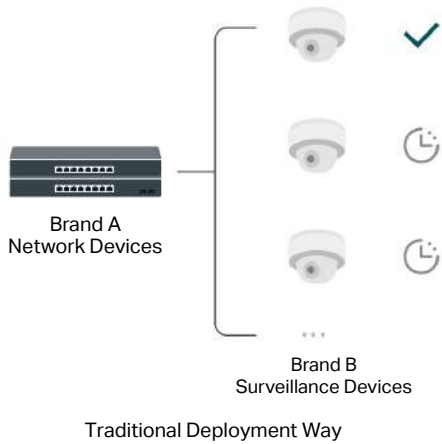
Network Camera

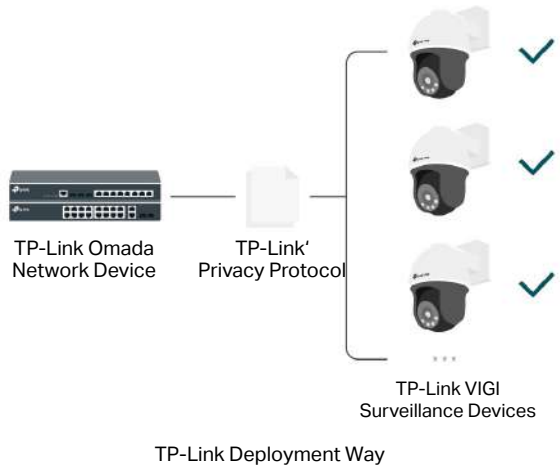Router & Switch

Access Point

NVR & NVD
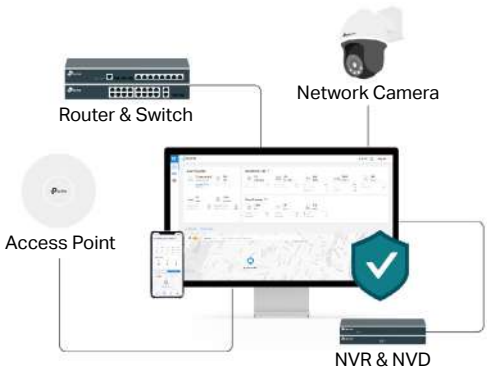
Visual & Intelligent Dashboard

Easily view the number of sites and users throughout the system and check the overall network & surveillance status and alerts.

The Number of Sites and Users

Overall Network Status

Overall Video Status
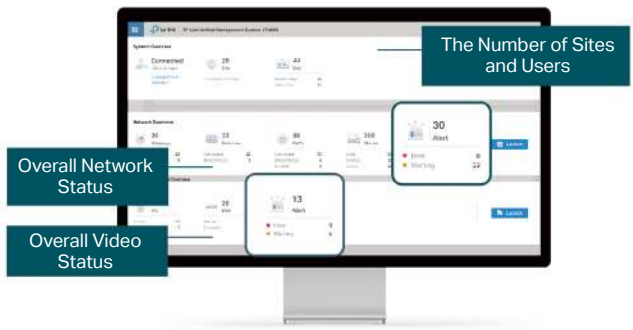
Simple Deployment

Because TP-Link Integrated Network and Video Surveillance Solution supports advanced privacy protocols, the Omada network can automatically identify and assign corresponding VLAN to VIGI products. This simplifies the deployment process and reducing security issues due to misconfiguration.

TP-Link Omada Network Device

TP-Link' Privacy Protocol

TP-Link VIGI Surveillance Devices

TP-Link Deployment Way

Brand A Network Devices

Brand B Surveillance Devices

Traditional Deployment Way
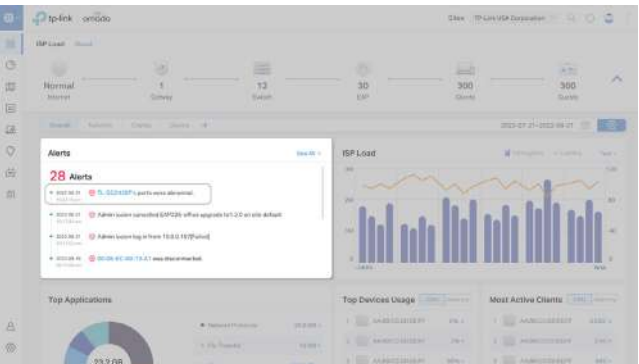
Locate and Resolve Faults Quickly

Easily View Alerts from Site Map

With just one click on the red flashing site, quickly check site alerts.
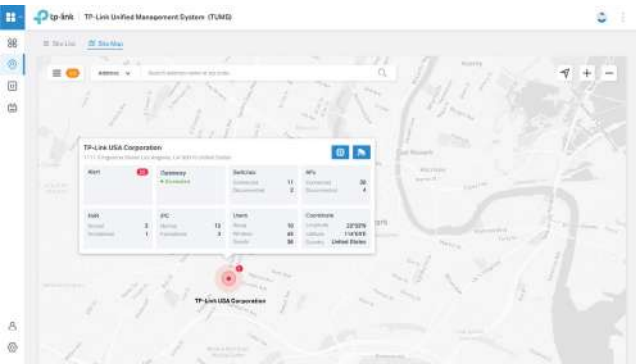
Analyze Alerts in Further Depth

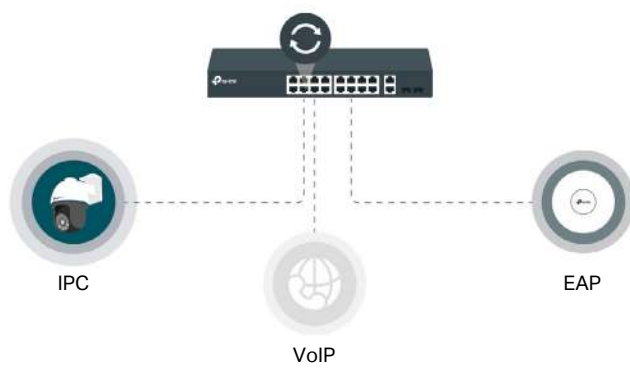TP-Link Omada further provides network troubleshooting.

Quickly Locate Faults from System Topology

Easily check the details of faulty devices from system topology.

Efficiently Repair System Issues

PoE Auto Recovery will automatically detect and reboot dropped or unresponsive connections, ensuring devices always remain on.

IPC

VoIP
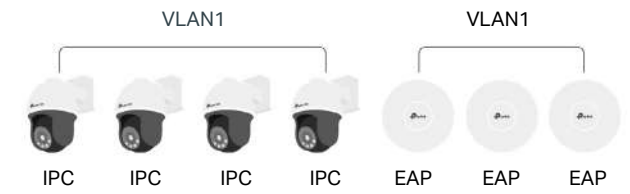
EAP

Value Added Technologies for Surveillance

Quality of Service

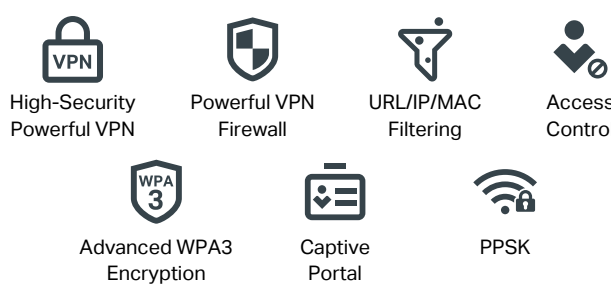Prioritizes identification and allocation of traffic to VIGI security video in congested networks.

Surveillance VLAN

Automatically identifies VIGI devices and divides VLAN with a single click for higher safety.

VLAN1

VLAN1

IPC   IPC   IPC   IPC   EAP   EAP   EAP

Abundant Security Functions

Powerful firewall and advanced security functions further protect the network for safer video transmission.

High-Security Powerful VPN

Powerful VPN Firewall

URL/IP/MAC Filtering

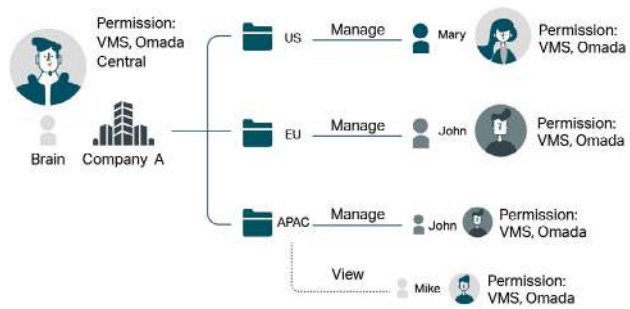Access Control

Advanced WPA3 Encryption

Captive Portal

PPSK

AI-Driven Security

Featuring extensive AI-Driven security software like IDS/IPS, Omada empowers VIGI devices with a safer network environment.

IDS/IPS

Video Data

WIDS/WIPS

Assign Different Management Roles

Multi-user privilege assignment is available to increase management efficiency and security.

Brain   Company A

Permission: VMS, Omada Central

US   Manage   Mary   Permission: VMS, Omada

EU   Manage   John   Permission: VMS, Omada

APAC   Manage   John   Permission: VMS, Omada

View   Mike   Permission: VMS, Omada

VIGI Surveillance Solutions

The VIGI professional surveillance system is designed to provide round-the-clock protection for your business. With outstanding AI and image features, guaranteed quality, and easy installation, we ensure the utmost security and flexibility for your business. Our intelligent solution is also well-suited for a wide range of SMB scenarios, making it a versatile choice.

VIGI Surveillance Solution's Strengths

Comprehensive Product Categories

VIGI offers various kinds of surveillance products for multiple situations, including different types of network cameras, network video recorders, decoders and solar panel system, and more.
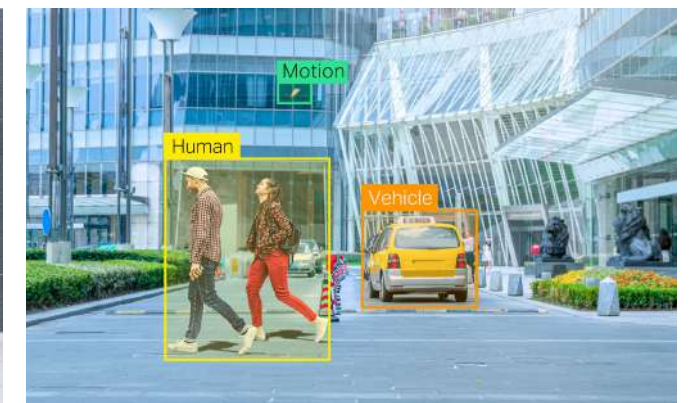

Advanced AI Features

Cutting-edge AI features allow for quicker and more accurate threat identification and improve overall security effectiveness.

People Analytics

Human & Vehicle Classification

Progressive Imaging Technology

Innovative imaging technology captures images with crystal clarity and sharper details even in low-light or nighttime conditions, enhancing situational awareness.
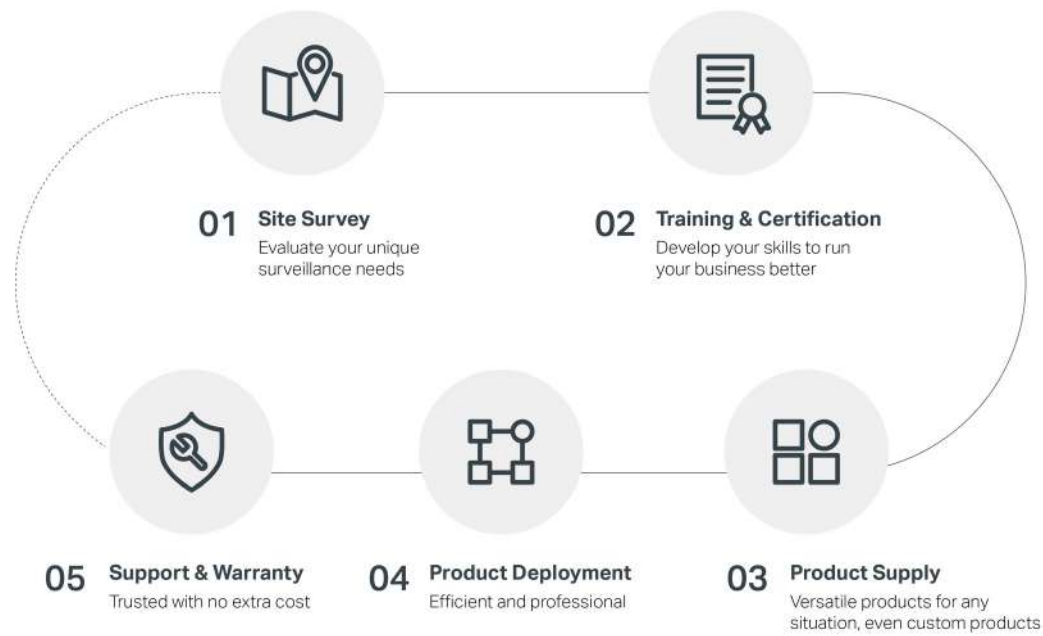

Ultra Low-light Night Vision

3x Zoom

Professional and Efficient One-Stop Solution

01 Site Survey
Evaluate your unique surveillance needs

02 Training & Certification
Develop your skills to run your business better

03 Product Supply
Versatile products for any situation, even custom products

04 Product Deployment
Efficient and professional

05 Support & Warranty
Trusted with no extra cost

Trusted Quality

Continuous Innovations
Independent research and development allow TP-Link to master the core technology and react rapidly to changes in the market.

Superior Suppliers
VIGI ensures the excellent quality of products by strictly vetting suppliers and using materials manufactured by the world's top suppliers.

Vertical Integration
TP-Link operates inhouse manufacturing facilities to maintain the standard of every component.
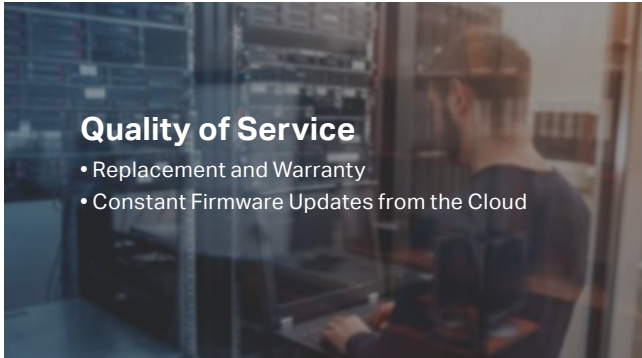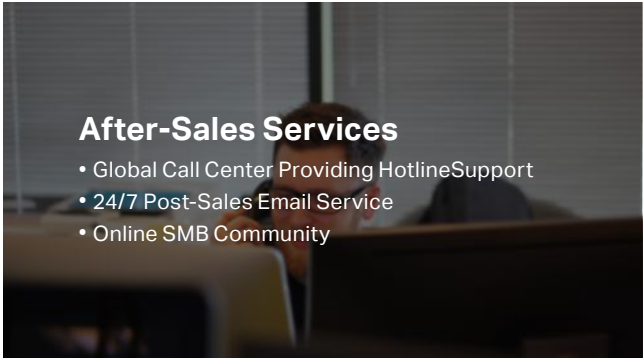
Complete Quality Control
TP-Link develops, builds, crafts, and sells products from start to finish, using rigorous tests and whole-process quality control.

Excellent Pre- and After-Sales Services

VIGI provides not only products with outstanding quality but also whole service for complete client satisfaction.

After-Sales Services
• Global Call Center Providing HotlineSupport
• 24/7 Post-Sales Email Service
• Online SMB Community

Quality of Service
• Replacement and Warranty
• Constant Firmware Updates from the Cloud

Certification and Training

VIGI provides a whole series of surveillance training courses. Access these courses to acquire specialized skills and gain certification to empower your business.

TPSA surveillance
tp-link | VIGI

Designed for surveillance practitioners

TPSP surveillance
tp-link | VIGI

Designed for professional technicians*

TPCI surveillance
tp-link | VIGI

Designed for TPSA or TPSP certified users*

Partner Program

https://partner.tp-link.com/

The TP-Link SolutionX Partner Program offers a targeted approach for expert partners like installers, system integrators, and MSPs. It enhances your business through sales, technical support, training, and marketing benefits.

SMB Community

https://community.tp-link.com/en/business

Technical support and case sharing.
Your direct dialogue with TP-Link.
When it comes to SMB, we know you want to learn more...

Forums   Stories   Knowledge Base
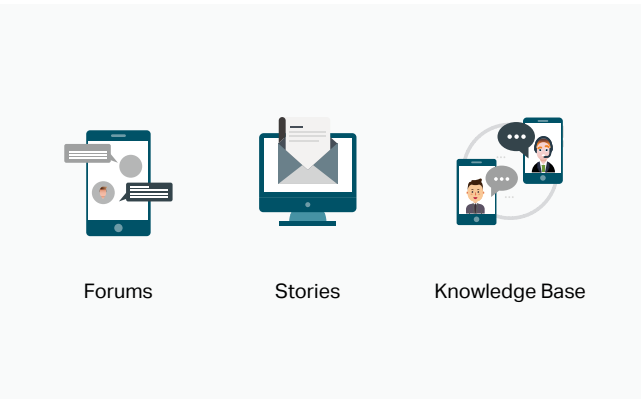
Scan for more information about Partner Program

Scan for more information about SMB Community

*TPSP and TPCI are in preparation.

Solutions for
Small Business

Solution Requirements

For small businesses without dedicated IT staff and limited budgets, proactive defense, ease of use, and cost-effective surveillance solutions are essential. That's where VIGI comes in. With hassle-free product installation and deployment, you can quickly build a surveillance system at minimal cost. Also, our intelligent AI system ensures timely threat prevention and response, protecting your property day and night.

Flexible Installation

Quick Deployment

Timely Response

24/7 Stable Operation

Comprehensive Application Scenarios

Small Stores

Gas Stations

Small Offices

Courtyards

Bars

Cafés

Typical Topology
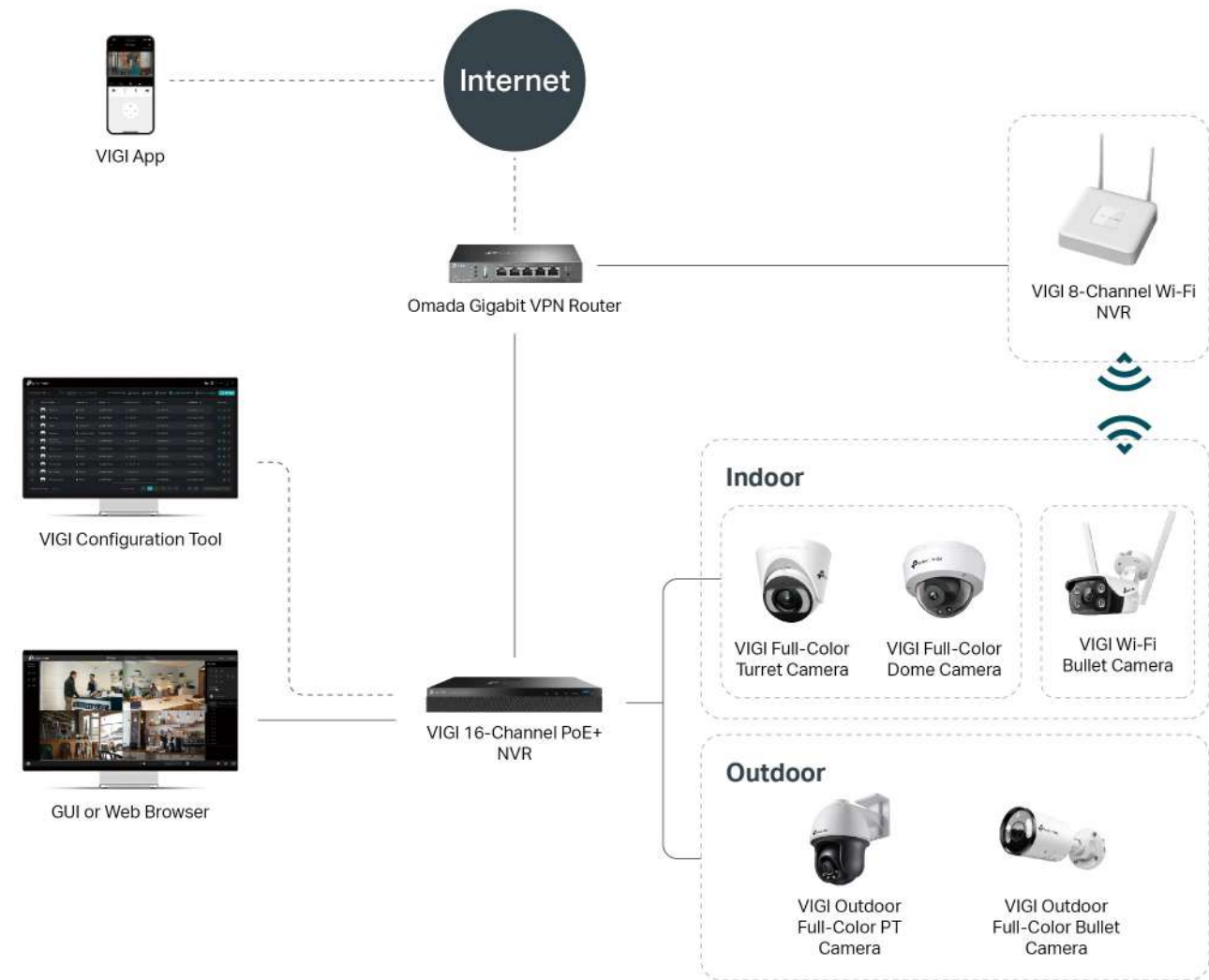
Internet

VIGI App

Omada Gigabit VPN Router

VIGI 8-Channel Wi-Fi NVR

VIGI Configuration Tool

Indoor

VIGI Full-Color Turret Camera

VIGI Full-Color Dome Camera

VIGI Wi-Fi Bullet Camera

GUI or Web Browser

VIGI 16-Channel PoE+ NVR

Outdoor

VIGI Outdoor Full-Color PT Camera

VIGI Outdoor Full-Color Bullet Camera

Scan for more solutions

*Products and solutions are chosen based on real monitoring needs.

Highlights

Multiple AI Detection for Property Loss

Accurately identifies and alerts you to potential threats or suspicious activities, saving manual monitoring cost and allowing for quicker response.
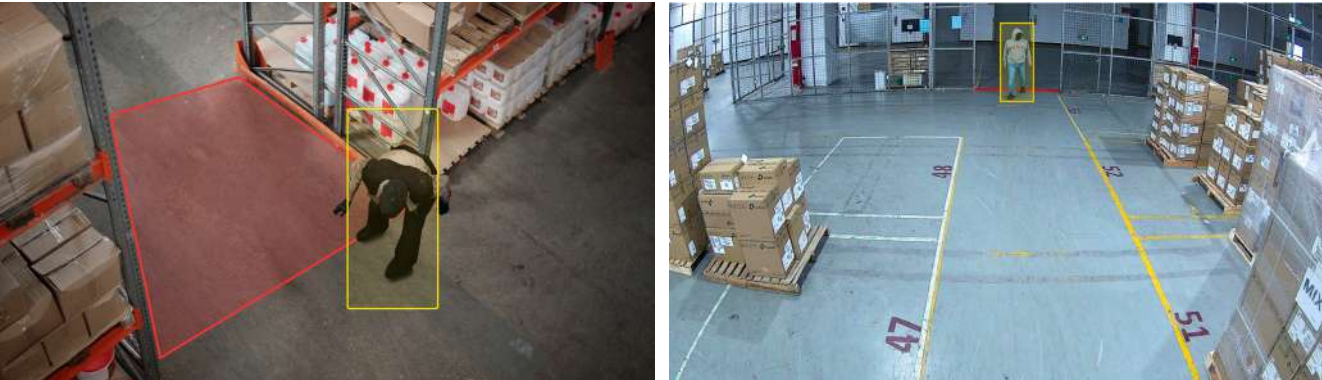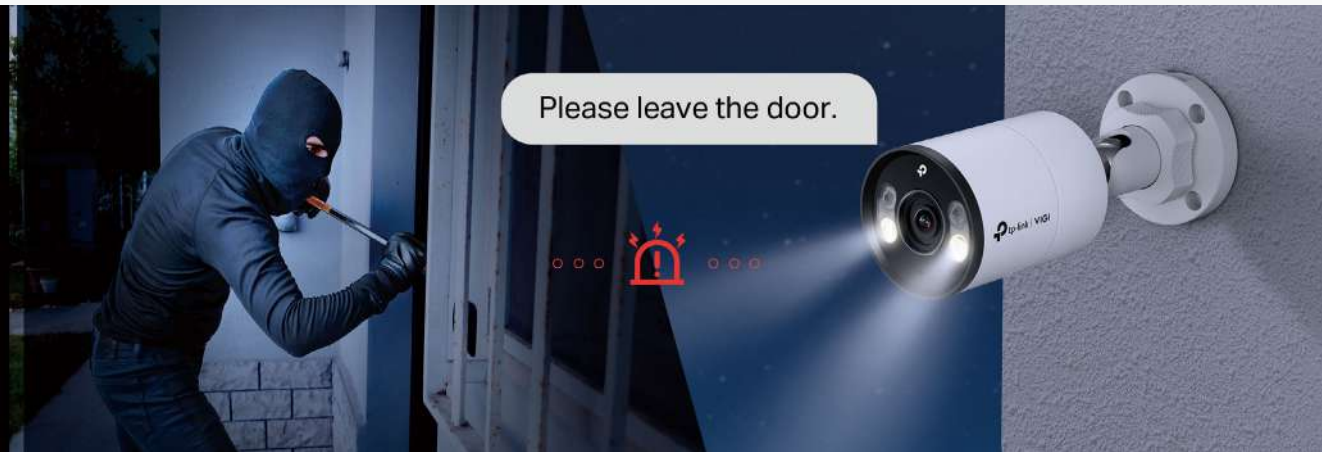

Intrusion Detection


Line-Crossing Detection

Active Defense for Potential Threat Prevention

Warn and expel potential intruders instantly with sound and light alarms. Protect your property effectively when you're not on site.

Please leave the door.

Two-Way Audio for Quicker Event Response

With voice intercom support, carry two-way conversations while watching your feed from anywhere. This efficiently prevents incidents from escalating.

No parking, please.

Ok.
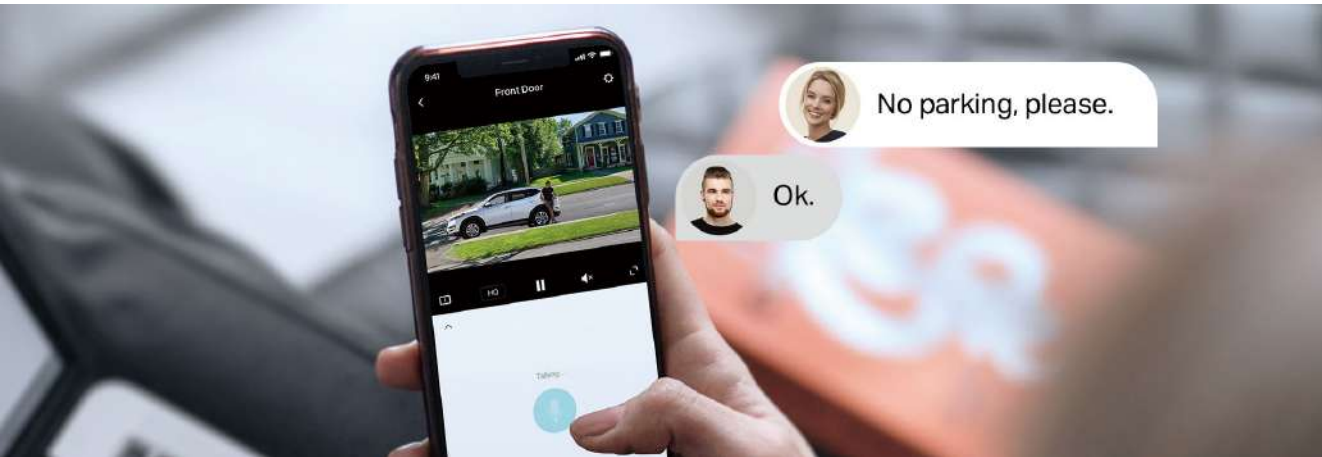
24/7 Full-Color for Uninterrupted Security

Equipped with enhanced sensors and smart spotlights, VIGI cameras capture clear and colorful details 24/7 even in pitch dark nights, enhancing your ability to identify any objects of interests.

Day 2023-09-16 10:30:56

Night 2023-09-16 20:26:38

Lightweight Designer Tool Designed for Installers

Simulate actual security scenarios by dragging the virtual devices to the map. This helps you quickly create a deployment project.


Superb Product Design for Easy Installation

Effortlessly install VIGI cameras in various scenarios with our innovative structural design, Wi-Fi, 4G and PoE connectivity.
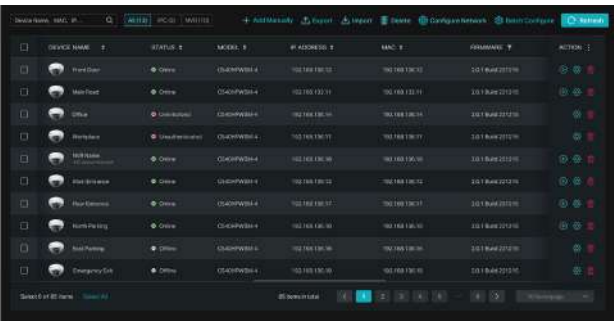

Power+Data

EXIT

4G

Quick Setup

Both VIGI Security Manager and Config Tool help you quickly design your system, including automatically initializing and activating devices, modifying IP, upgrading, and other configurations.
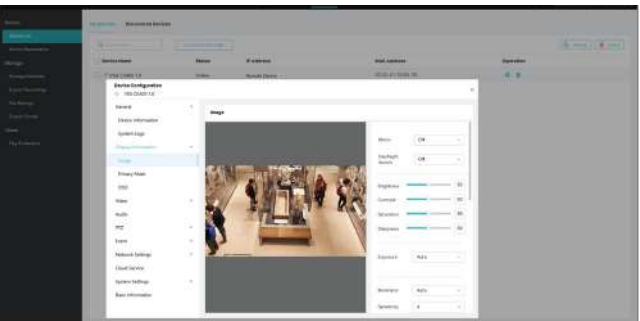
VIGI Security Manager

VIGI Config Tool

Recommended Products

High-Performance Solution

Network Cameras

VIGI C345
4MP Outdoor Full-Color
Bullet Network Camera

- 4MP Resolution & Full-Color
- People & Vehicle Analytics
- Smart Detection
- Active Defense
- IP67 & Metal Case

VIGI C445
4MP Full-Color Turret
Network Camera

- 4MP Resolution & Full-Color
- People & Vehicle Analytics
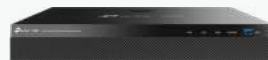- Smart Detection
- Two-Way Audio
- IP67 & Metal Case

VIGI C245
4MP Full-Color Dome
Network Camera

- 4MP Resolution & Full-Color
- People & Vehicle Analytics
- Smart Detection
- Two-Way Audio
- IK10 & IP67 & Metal Case

VIGI C540-W
4MP Outdoor Full-Color Wi-Fi
Pan Tilt Network Camera

- 360° Monitoring
- Wireless connection
- 4MP Resolution & Full-Color
- Human & Vehicle Classification
- Active Defense

Network Video Recorders

VIGI NVR2016H-16MP
16 Channel PoE+ Network
Video Recorder

- 16× PoE+ Ports & 140W PoE Budget
- 4K HDMI Video Output
- 8-ch@2MP Decoding Capability
- 16-Channel Simultaneous Playback
- 2× 10TB HDDs*
- H.265+

VIGI NVR1108H-W
8 Channel WI-Fi Network
Video Recorder

- 4K HDMI Video Output
- Wireless Pairing
- 8-ch@2MP Decoding Capability
- 8-Channel Simultaneous Playback
- Simple HDD Installation
- 1× 10TB HDD*

Cost-Effective Solution

Network Cameras

VIGI C240
4MP Full-Color Dome
Network Camera

- 4MP Resolution & Full-Color
- Smart Detection
- Built-In Microphone
- IK10 & IP67
- H.265+

VIGI C440
4MP Full-Color Turret
Network Camera

- 4MP Resolution & Full-Color
- Smart Detection
- Active Defense
- Two-Way Audio
- H.265+

VIGI C340
4MP Outdoor Full-Color
Bullet Network Camera

- 4MP Resolution & Full-Color
- Human & Vehicle Classification
- Smart Detection
- Two-Way Audio
- IP67 & H.265+

Network Video Recorders

VIGI NVR1008H-8MP
8 Channel PoE+ Network
Video Recorder

- 8× PoE+ Ports & 113W PoE Budget
- 4K HDMI Video Output
- 8-ch@2MP Decoding Capability
- 8-Channel Simultaneous Playback
- 1× 10TB HDD*
- H.265+

Scan for more details about VIGI products

Scan for more details about switches

Scan for more details about access points

*HDD is not included.
**All specifications are subject to change without notice.

Solutions for Midsize Businesses with Single Sites

Solution Requirements

VIGI understands that you are calling for flexible, stable, and efficient surveillance solutions. With a full range of products, we are tailored to suit your unique needs. Our high-quality products equipped with advanced features also ensure the reliability and efficiency of your surveillance system. Choose VIGI to create a safer and smarter environment for today and tomorrow.

One-Stop Solution

Flexible Deployment

Efficient Management

24/7 Stable Operation

Comprehensive Application Scenarios

Kindergartens
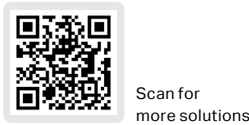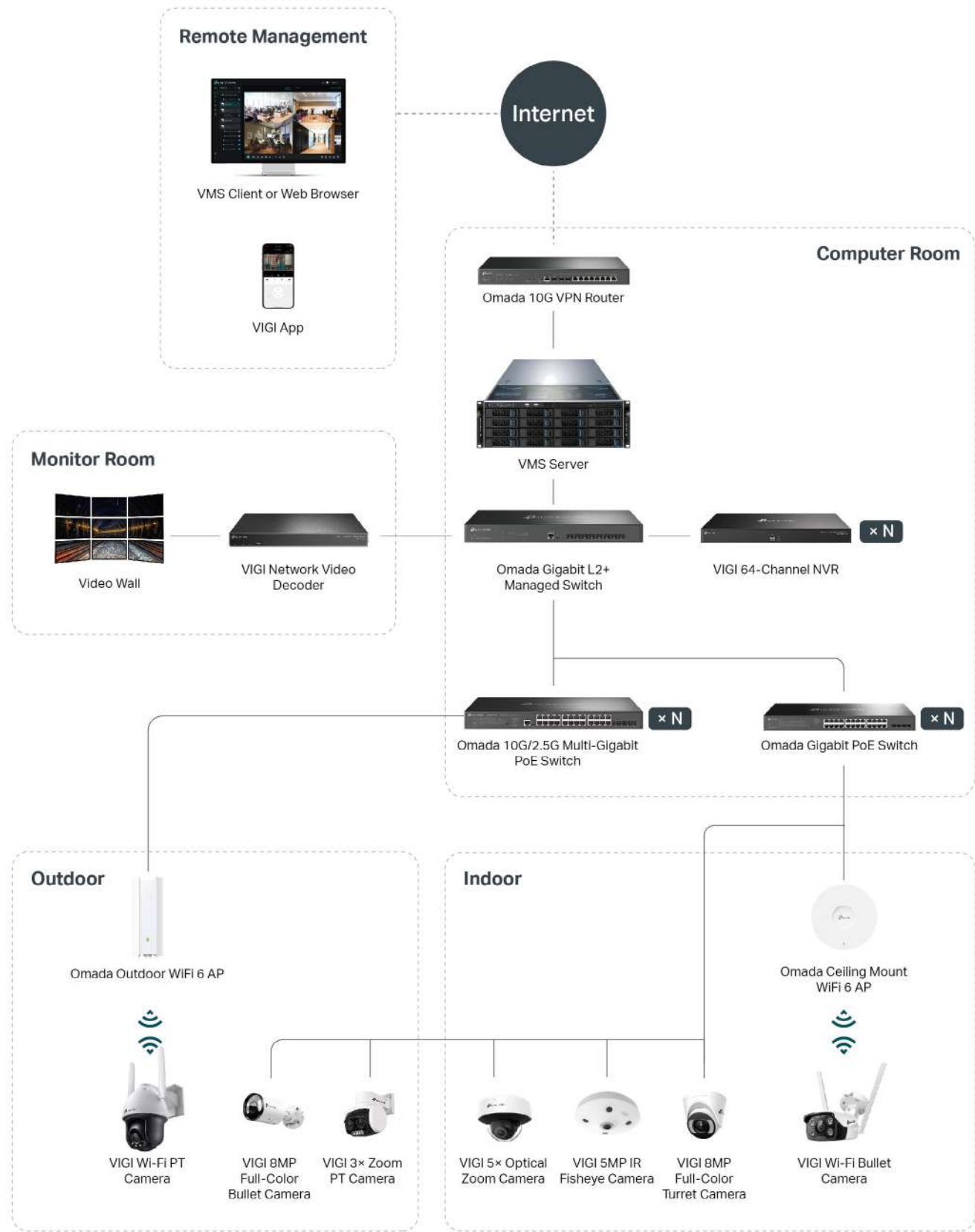
Midsize Offices

Supermarkets

K-12

Midsize Restaurants

Budget Hotels

Typical Topology

Remote Management

Internet

VMS Client or Web Browser

VIGI App

Computer Room

Omada 10G VPN Router

VMS Server

Omada Gigabit L2+ Managed Switch

VIGI 64-Channel NVR × N

Monitor Room

Video Wall

VIGI Network Video Decoder

Omada 10G/2.5G Multi-Gigabit PoE Switch × N

Omada Gigabit PoE Switch × N

Outdoor

Omada Outdoor WiFi 6 AP

VIGI Wi-Fi PT Camera

VIGI 8MP Full-Color Bullet Camera

VIGI 3× Zoom PT Camera

Indoor

Omada Ceiling Mount WiFi 6 AP

VIGI 5× Optical Zoom Camera

VIGI 5MP IR Fisheye Camera

VIGI 8MP Full-Color Turret Camera

VIGI Wi-Fi Bullet Camera

Scan for more solutions

*Products and solutions are chosen based on real monitoring needs.

Highlights

Comprehensive & Top-Notch Products

Fully meet different scenario needs and ensure the stability of surveillance systems.

Efficient Event Management

Manage events in batches and centrally via the Event Center and Dashboard to boost operational efficiency and on-site security.

Event Center

Dashboard
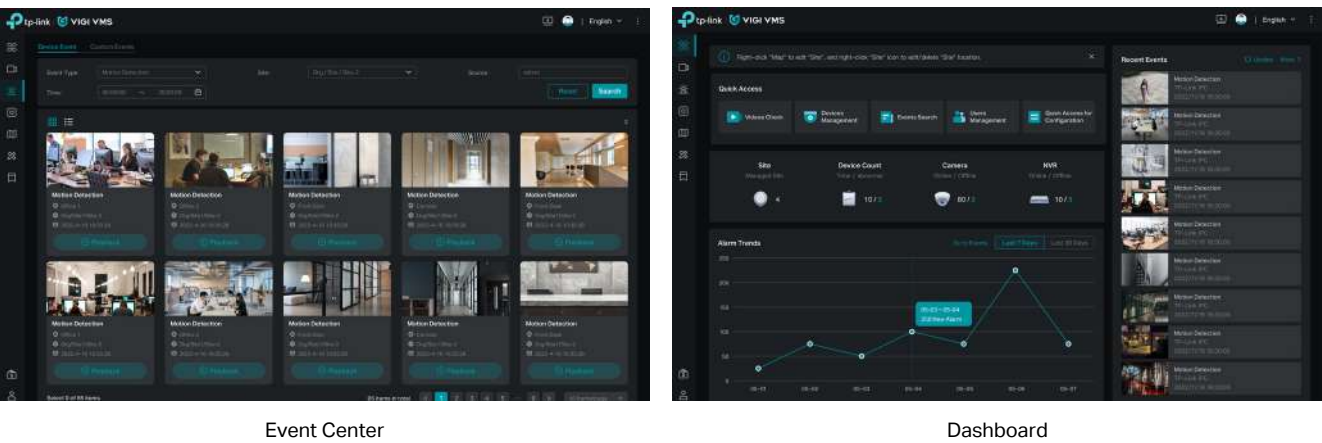
Advanced AI & Imaging Technology

The entire series of VIGI cameras integrate powerful AI and imaging capabilities for improved safety, proactive monitoring, and quicker incident response.

One-Stop Service

VIGI offers convenience, quality assurance, and professional service at every stage, from pre-sales to after-sales.

Site Survey — Training & Certification — Support & Warranty — Product Deployment — Product Supply

People & Vehicle Analytics for Efficient Target Search

Quickly find people or vehicles of interest using various attributes, greatly improve your search efficiency.

People Analytics

Filter people of interest by various attributes, such as hair length and clothing, allowing you to improve search efficiency.

Vehicle Analytics

Quickly target meaningful events by identifying and searching for vehicles based on color and type.

Hair:
Long
Upper Body:
Long Sleeves
Upper Body Color:
Yellow
Lower Body:
Trousers
Lower Body Color:
Black
Carry/Backpack:
Yes

Vehicle Type:
Car
Vehicle Color:
White

Face Recognition

VIGI's advanced built-in face recognition algorithm enables cameras to intelligently capture faces, extract facial features, and form unique facial data. By comparing the facial data with a face library, quickly match a human face, efficiently reducing the risk of unauthorized access.

Capturing → Extracting → Comparing → Matching IDENTIFICATION
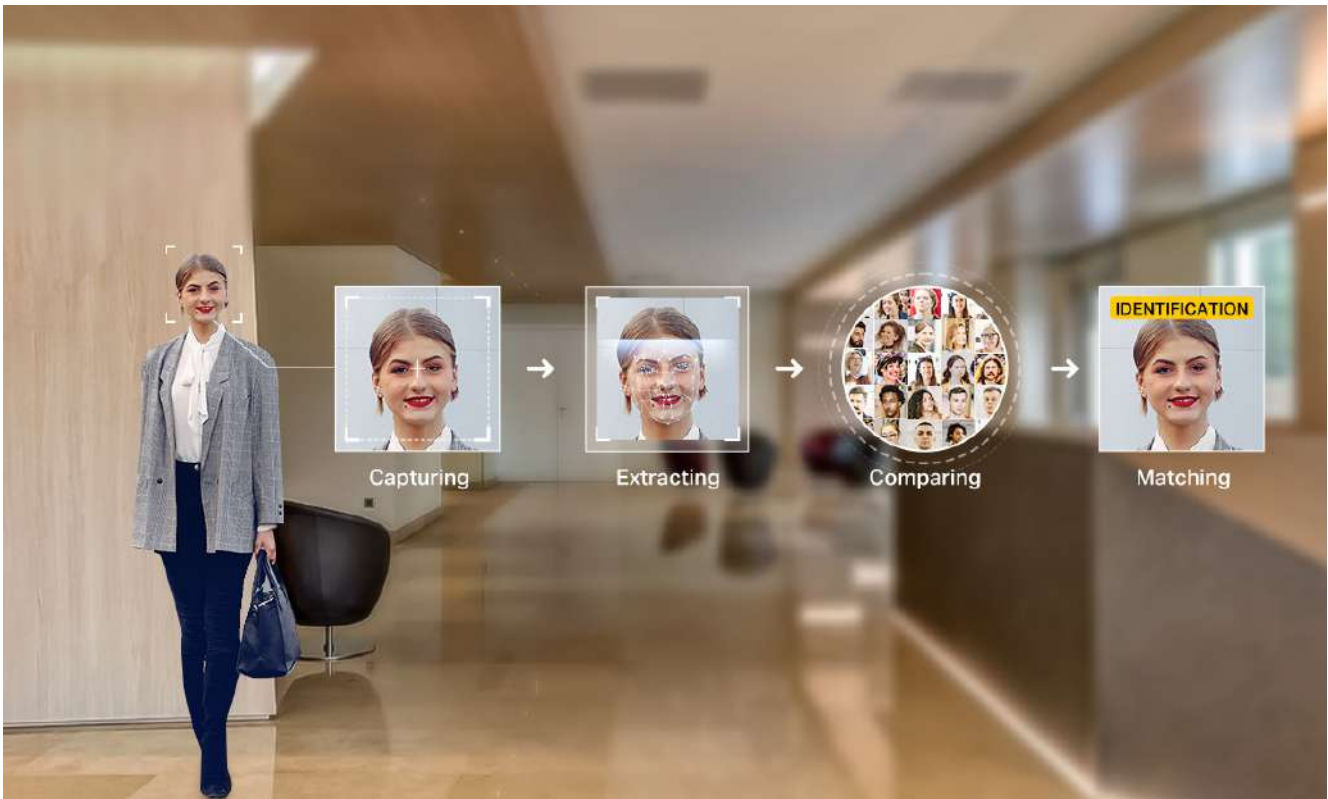
Recommended Products

High-Performance Solution

Network Cameras

VIGI C385
8MP Outdoor Full-Color Bullet Network Camera
- 4K Ultra HD & Full-Color
- Human & Vehicle Classification
- True WDR
- Active Defense
- IP67 & Metal Case

VIGI C485
8MP Full-Color Turret Network Camera
- 4K Ultra HD & Full-Color
- Human & Vehicle Classification
- True WDR
- Two-Way Audio
- IP67 & Metal Case

VIGI C340S
4MP Outdoor Aurora Bullet Network Camera
- Ultra Low-Light Color Night Vision
- True WDR
- Face Recognition
- People & Vehicle Analytics
- Two-Way Audio

VIGI C385DP
8MP Outdoor Dual-Lens Panoramic Bullet Network Camera
- 4K Ultra HD & Full-Color
- 32:9 Ultra-Wide Viewing Angle
- Perfect Stitching
- Human & Vehicle Classification
- Two-Way Audio

VIGI C245ZI
4MP IR Optical Zoom Dome Network Camera
- 4MP Resolution
- 5× Optical Zoom
- Face Recognition
- People & Vehicle Analytics
- IK10 & IP67 & Metal Case

VIGI C540-W
4MP Outdoor Full-Color Wi-Fi Pan Tilt Network Camera
- 360° Monitoring
- Wireless connection
- 4MP Resolution & Full-Color
- Human & Vehicle Classification
- Active Defense

VIGI C540V
4MP Outdoor Full-Color Dual-Lens Varifocal Pan Tilt Network Camera
- 4MP Resolution & Full-Color
- 3× Zoom & Instant zoom
- 360° Monitoring
- Human & Vehicle Classification
- Active Defense

VIGI C655I
5MP IR Fisheye Network Camera
- 5MP Resolution
- 360° Panoramic View
- Flexible Display Modes
- Smart IR
- Density Heat Map
- Smart Detection

Network Video Recorders

VIGI NVR4064H
64 Channel Network Video Recorder
- Face Recognition
- Smart Search by Motion and Object
- 16-ch@2MP Decoding Capability
- H.265+/H.265/H.264+/H.264
- 640 Mbps Incoming and Outgoing Bandwidth
- 4× 10TB HDDs**

Network Video Decoders

VIGI NVD6004*
Network Video Decoder
- 4× 4K Video Output (3840× 2160@ 30hz)
- Decode Up to 64-ch@1080p Cameras Simultaneously
- Max 4 HDIM Ports
- Web UI / VMS Management

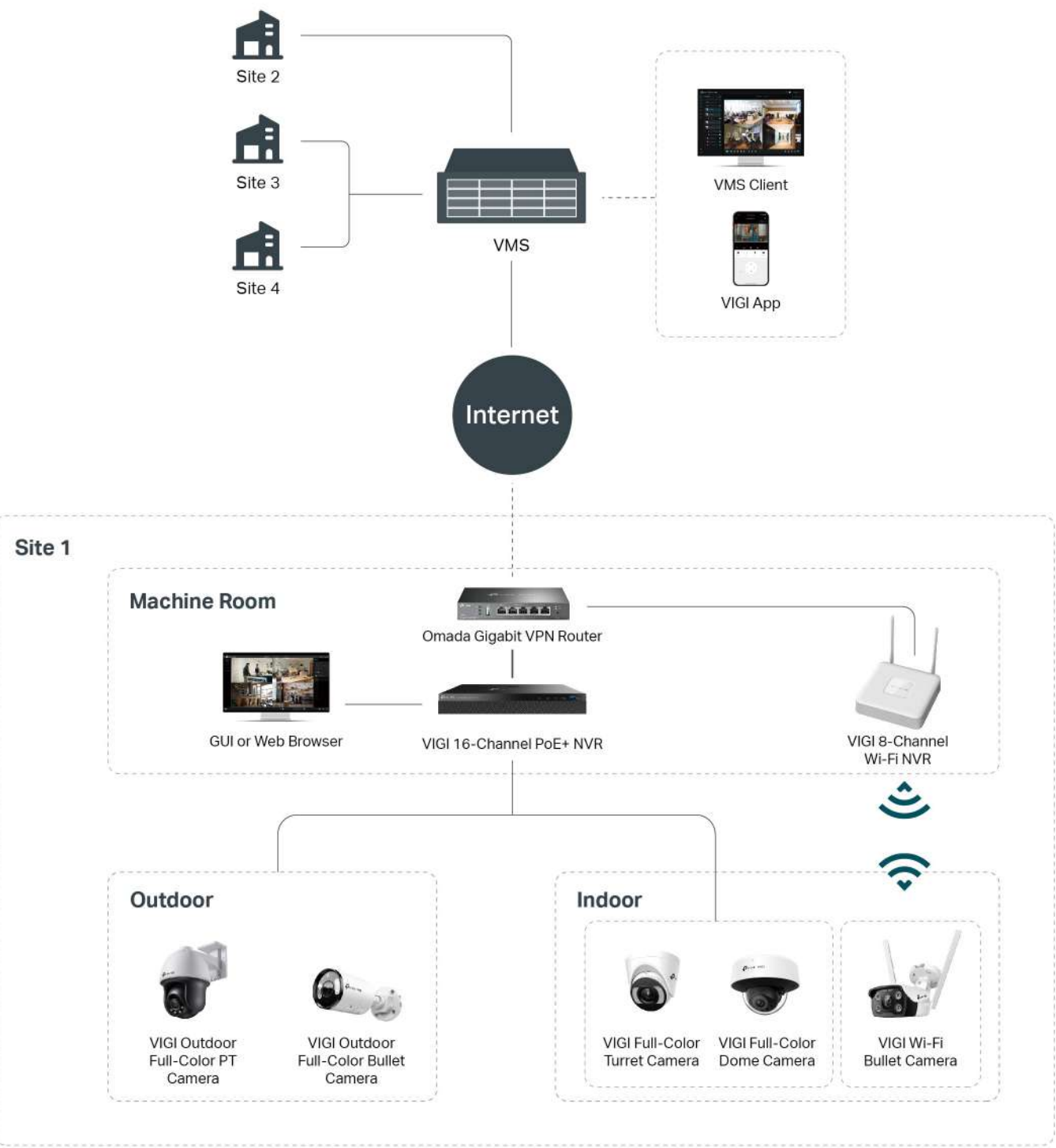Scan for more details about VIGI products

Scan for more details about switches

Scan for more details about access points

*These products and functions may be in development and may vary from displayed images and features.
**HDD is not included.
†All specifications are subject to change without notice.

Recommended Products

Cost-Effective Solution

Network Cameras

VIGI C340
4MP Outdoor Full-Color
Bullet Camera

- 4MP Resolution & Full-Color
- Human & Vehicle Classification
- Active Defense
- Two-Way Audio
- IP67 & H.265+

VIGI C340-W
4MP Outdoor Full-Color
Wi-Fi Bullet Camera

- 4MP Resolution & Full-Color
- Wireless Connection
- Human & Vehicle Classification
- Active Defense
- IP67 & H.265+

VIGI C540
4MP Outdoor Full-Color Pan
Tilt Network Camera

- 360° Monitoring
- 4MP Resolution & Full-Color
- Human & Vehicle Classification
- Auto Tracking
- Active Defense

VIGI C440
4MP Full-Color Turret
Network Camera

- 4MP Resolution
- Human & Vehicle Classification
- Active Defense
- H.265+
- PoE for Simple Wiring

VIGI C240
4MP Full-Color Dome
Network Camera

- 4MP Resolution & Full-Color
- Smart Detection
- Built-In Microphone
- IK10 & IP67
- H.265+

VIGI C230I Mini
3MP IR Mini Dome
Network Camera

- 3MP Resolution
- Smart IR
- Compact Design
- Vandal Proof (IK08)
- PoE for Simple Wiring

Network Video Recorders

VIGI NVR1016H
16 Channel Network
Video Recorder

- 4K HDMI Video Output
- 8-ch@2MP Decoding Capability
- 16-Channel Simultaneous
  Playback
- 1× 10TB HDD**
- H.265+

Network Video Decoders

VIGI NVD6004*
Network Video Decoder

- 4× 4K Video Output
  (3840×2160@ 30hz)
- Decode Up to 64-ch@1080p
  Cameras Simultaneously
- 4× HDMI Ports
- Web UI / VMS Management

Solutions for
Midsize Businesses
with Multiple Sites

Solution Requirements

For businesses with multiple branches like chain stores, it is difficult to manage all branches from a centralized point and respond to alarms in time. In addition, the branches may lack the resources to deploy and maintain physical facilities. But now, VIGI makes multi-site management a breeze.

**Multi-Site
Management**

High Scalability

Timely Response

Budget-Friendly

Comprehensive Application Scenarios

Chain Stores

Distribution Centers

Scan for more details
about VIGI products

Scan for more details
about switches

Scan for more details
about access points

*These products and functions may be in development and may vary from displayed images and features.
**HDD is not included.
†All specifications are subject to change without notice.

Typical Topology

Site 2

Site 3

Site 4

VMS

VMS Client

VIGI App

Internet

Site 1

Machine Room

Omada Gigabit VPN Router

GUI or Web Browser

VIGI 16-Channel PoE+ NVR

VIGI 8-Channel Wi-Fi NVR

Outdoor

VIGI Outdoor Full-Color PT Camera

VIGI Outdoor Full-Color Bullet Camera

Indoor

VIGI Full-Color Turret Camera

VIGI Full-Color Dome Camera

VIGI Wi-Fi Bullet Camera

Scan for more solutions

Highlights

Multi-Site Management

Manage the security of multiple sites from a single interface and flexibly scale your sites as your business grows.

Cloud VMS

Respond to Incidents in Time

Manage events in batches in Event Center, visualize alarms through the Dashboard or Dynamic Map, and quickly locate target events using Smart Search. VIGI assists you to deal with issues efficiently.
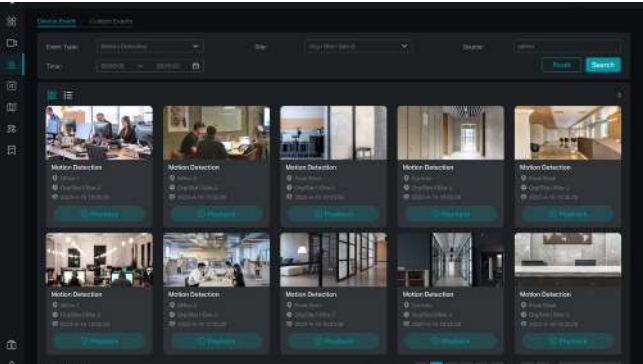
Event Center
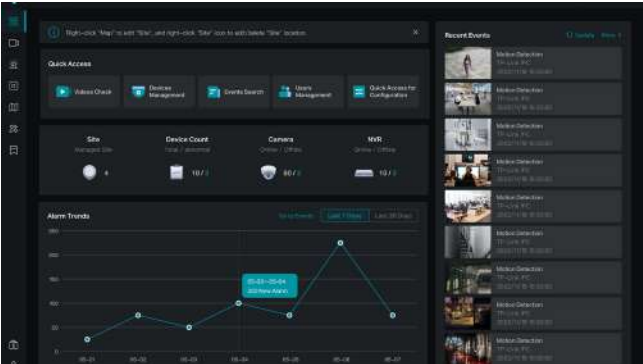
Dashboard

Dynamic Map
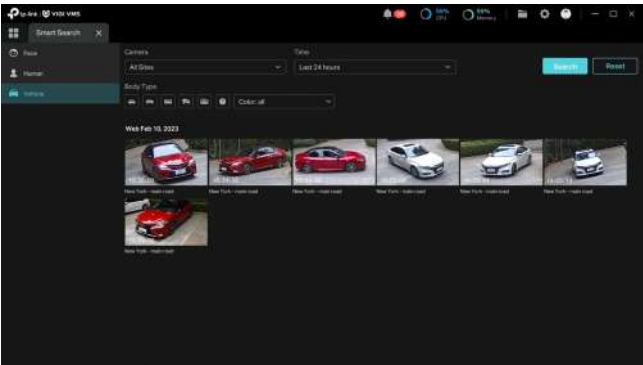
Smart Search

Assign Different Management Roles

Enables granular control over access permissions, enhancing data security and operational efficiency.
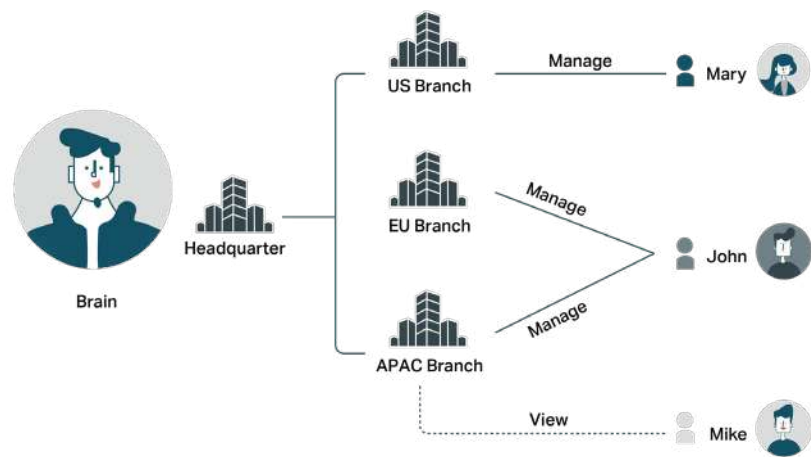
Customer Flow Analysis*

Get real-time insights into customer traffic at each branch and dynamically adapt your business strategies accordingly.
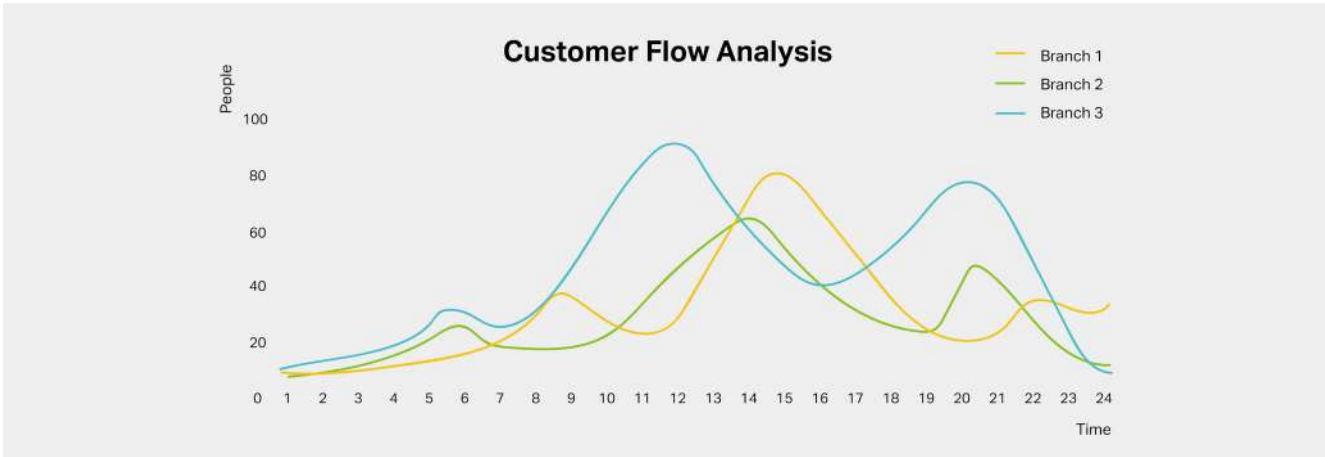
Shop Management

Detects if branch staff are late or absent for simple and efficient shop management.

Recommended Products

High-Performance Solution

Network Video Recorders

VIGI C345
4MP Outdoor Full-Color
Bullet Network Camera
- 4MP Resolution & Full-Color
- People & Vehicle Analytics
- Smart Detection
- Active Defense
- IP67 & Metal Case

VIGI C445
4MP Full-Color Turret
Network Camera
- 4MP Resolution & Full-Color
- People & Vehicle Analytics
- Smart Detection
- Two-Way Audio
- IP67 & Metal Case

VIGI C245
4MP Full-Color Dome
Network Camera
- 4MP Resolution & Full-Color
- People & Vehicle Analytics
- Smart Detection
- Two-Way Audio
- IK10 & IP67 & Metal Case

VIGI C540-W
4MP Outdoor Full-Color Wi-Fi
Pan Tilt Network Camera
- 360° Monitoring
- Wireless Connection
- 4MP Resolution & Full-Color
- Human & Vehicle Classification
- Active Defense

Network Video Recorder

VIGI NVR2016H-16MP
16 Channel PoE+ Network
Video Recorder
- 16× PoE+ Ports & 140W PoE Budget
- 4K HDMI Video Output
- 8-ch@2MP Decoding Capability
- 16-Channel Simultaneous Playback
- 2× 10TB HDDs*
- H.265+

VIGI NVR1108H-W
8 Channel Wi-Fi Network
Video Recorder
- 4K HDMI Video Output
- Wireless Pairing
- 8-ch@2MP Decoding Capability
- 8-Channel Simultaneous Playback
- Simple HDD Installation
- 1× 10TB HDD*

Cost-Effective Solution

Network Cameras

VIGI C240
4MP Full-Color Dome
Network Camera
- 4MP Resolution & Full-Color
- Smart Detection
- Built-In Microphone
- IK10 & IP67
- H.265+

VIGI C440
4MP Full-Color Turret
Network Camera
- 4MP Resolution & Full-Color
- Smart Detection
- Active Defense
- Two-Way Audio
- H.265+

Network Video Recorders

VIGI C340
4MP Outdoor Full-Color Bullet
Network Camera
- 4MP Resolution & Full-Color
- Human & Vehicle Classification
- Smart Detection
- Two-Way Audio
- IP67 & H.265+

VIGI NVR1008H-8MP
8 Channel PoE+ Network
Video Recorder
- 8× PoE+ Ports & 113W PoE Budget
- 4K HDMI Video Output
- 8-ch@2MP Decoding Capability
- 8-Channel Simultaneous Playback
- 1× 10TB HDD*
- H.265+

Scan for more details
about VIGI products

Scan for more details
about switches

Scan for more details
about access points

*HDD is not included.
**All specifications are subject to change without notice.

*These products and functions may be in development and may vary from displayed images and features.

23 | VIGI Surveillance Solutions

VIGI Surveillance Solutions | 24

Solutions Powered by AI

Overview

VIGI has developed rich AI functions to protect and boost your business. The whole series of VIGI cameras support AI functions, making them the optimal choice for high-quality, cost-effective products.

Human

Accurately detect suspicious people for timely action.

- Loitering Detection
- People Attribute Analytics
- Face Recognition

Business Insight

Intelligent analysis boosts your business growth.

- People Counting
- Density Heat Map
- Pathway Analysis*

AI Detection

Vehicle

Smartly analyze attributes of vehicles for quick search and easy management.

- Color
- Vehicle Type

Area/Event

Strong awareness of events and areas for quicker response.

- Intrusion Detection
- Abnormal Sound Detection*
- Departure Monitoring

Scan for more details about VIGI AI Technology.

*These products and functions may be in development and may vary from displayed images and features.

Highlights

24/7 Protection with Smart AI Detection

Face Recognition

By comparing detected face images with a customized face database, you can gain more business value through VIP recognition, blocklist alarm, stranger alarm, and more.

Face Comparison
- List Alarm
- Stranger Alarm
- Face Attendance
- ...

Intelligent Search
- Search by Picture
- Search by People
- ...
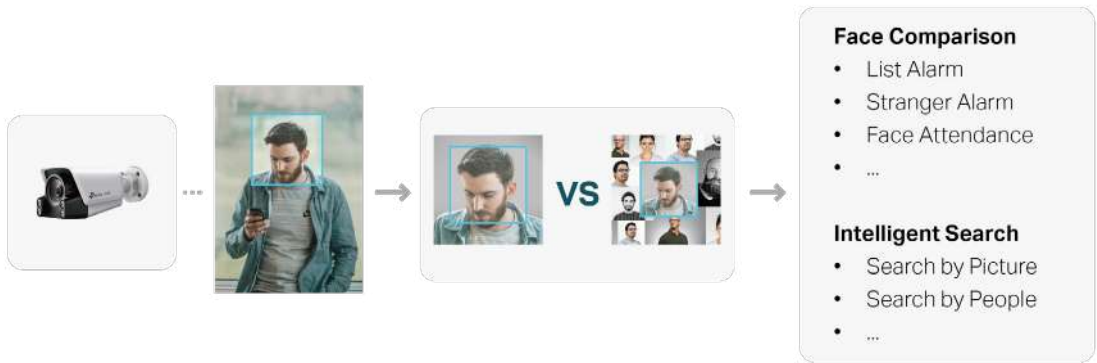
People & Vehicle Analytics

Quickly locate individuals or vehicles of interest by filtering through various attributes such as clothing color, vehicle type, and more, expediting post-event searches.

VIGI Camera — Attribute Analytics — Storage — Attributes Search
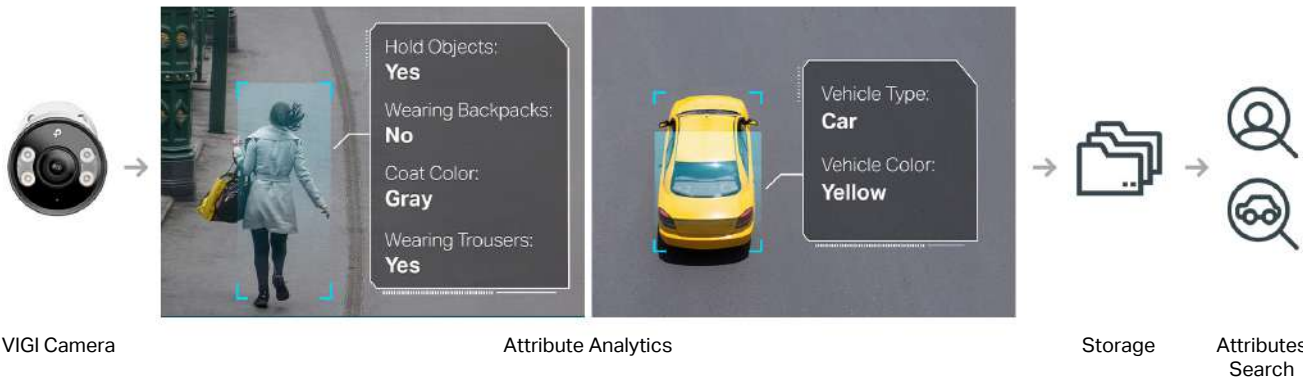
Human & Vehicle Classification

Distinguishes humans and vehicles from other non-target motions, so you will receive more accurate event notifications.

Applications

Face Search*

Search for specific people by selecting an existing face from your organization's face library or by uploading a face image.
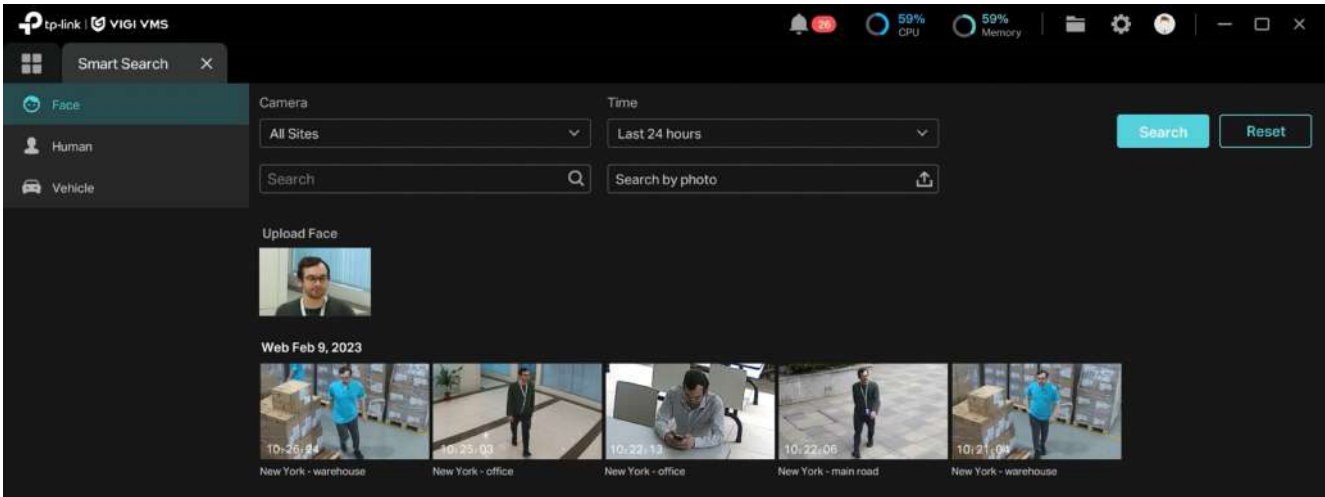
Attribute Search

Quickly search through your cameras to find people or vehicles that match selected attributes, including clothing/vehicle color, vehicle type, and more.
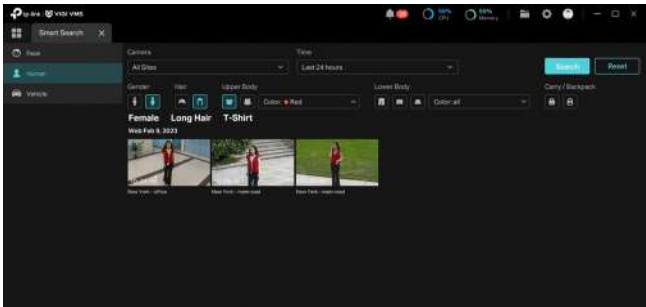
Search By People Attributes
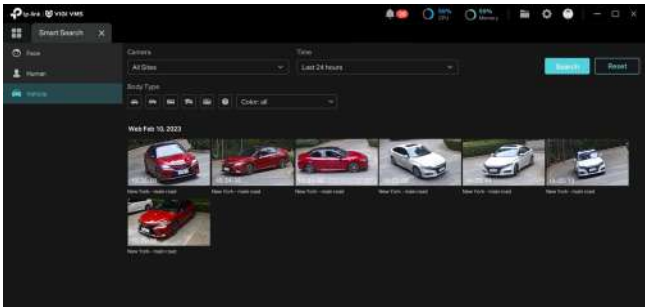
Search By Vehicle Attributes

Related Footage Tracking Across Cameras

Easily track all the activities of similar people or vehicles across cameras in the entire surveillance system, and take more efficient action.

Human & Vehicle Classification + Smart Detection*

When combining Human & Vehicle Classification with Smart Detection*, you will maximize detection accuracy rate and focus on real threats.

Intrusion Detection + Vehicle Classification

- **Benefits:** Receive alarms once a vehicle intrudes the customized zones for an extended period.
- **Typical Applications:** Fire escapes and private courtyards.

Line-Crossing Detection + Human Classification

- **Benefits:** Pushes notifications to you anytime a person crosses a virtual boundary from either or both directions.
- **Typical Applications:** Art exhibitions and station platforms.
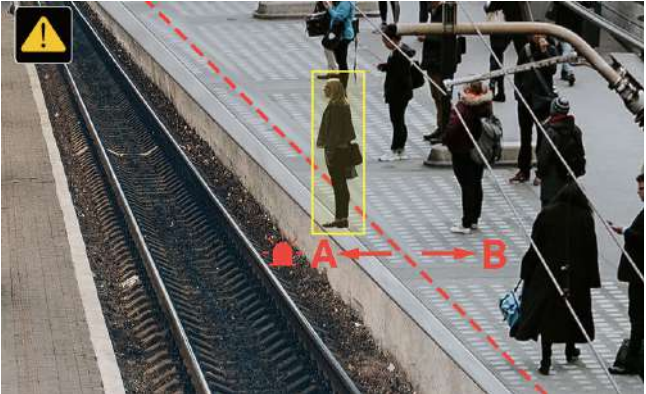
Region Entering Detection + Vehicle Classification

- **Benefits:** Get instant notifications whenever a vehicle enters a restricted area.
- **Typical Applications:** Lawns and pedestrian streets.
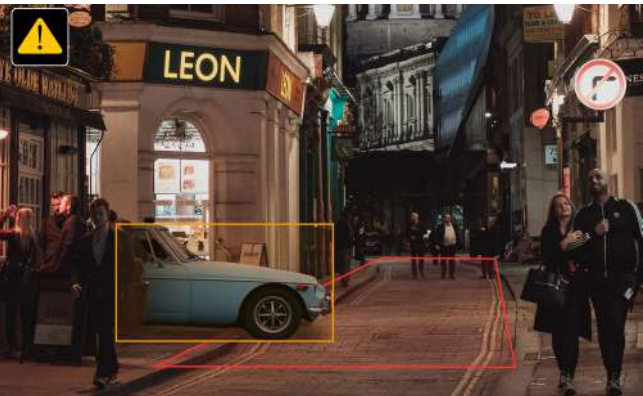
Region Exiting Detection + Human Classification

- **Benefits:** Get notified when someone leaves a specific region for a preset time.
- **Typical Applications:** Checkouts and security booths

Get Insight into your Customers

Density Heat Map*

Easily identify both "hot spots" and "dead zones" to optimize merchandise displays.
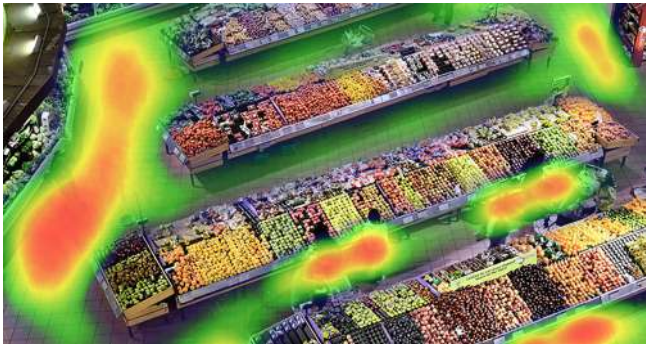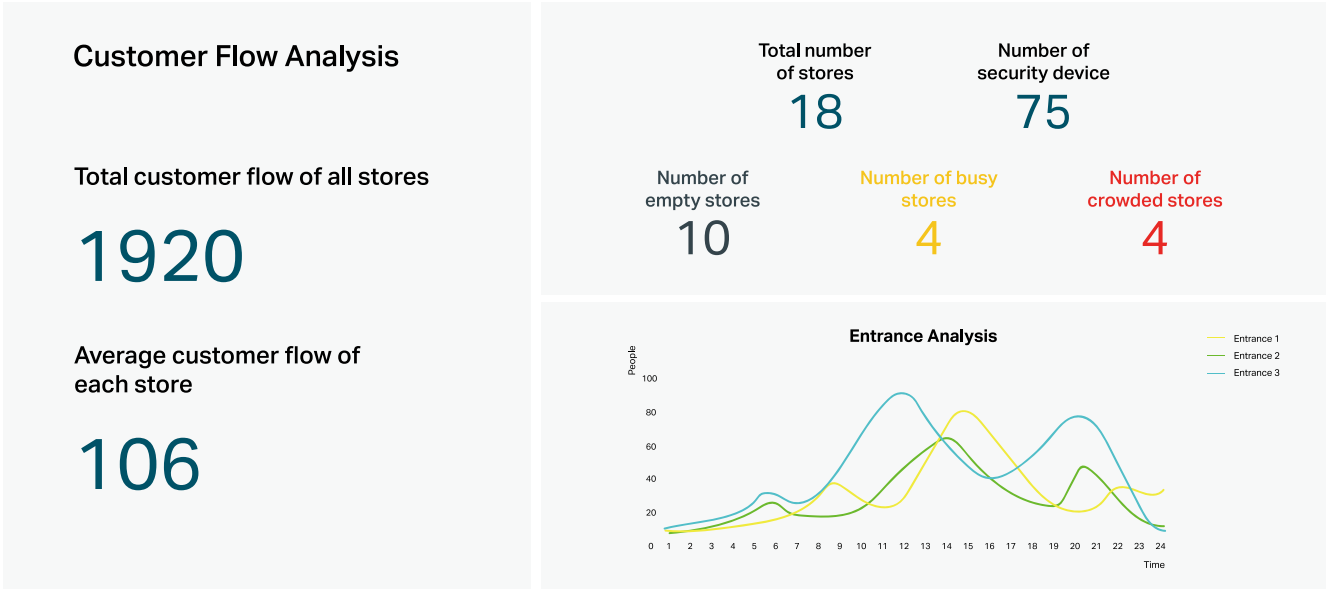

Pathway Analytics*

Find high-traffic locations from the routes of customers and make sales strategies.

Customer Flow Analysis*

Helps you assess marketing strategies with higher efficiency and make data-driven decisions for future improvements.

Customer Flow Analysis	
Total customer flow of all stores	**Total number of stores** 18 **Number of security device** 75
1920	**Number of empty stores** 10 **Number of busy stores** 4 **Number of crowded stores** 4
Average customer flow of each store **106**	**Entrance Analysis**

Shop Management

Receive instant notifications from VIGI cameras when staff members are late or absent, simplifying shop management.

*These products and functions may be in development and may vary from displayed images and features.

Network Cameras

Experience unparalleled security and peace of mind with VIGI network cameras. With state-of-the-art AI algorithms, our cameras offer advanced features like facial recognition and human & vehicle classification for accurate threat identification. Capture crystal-clear footage in any lighting condition with the help of our powerful imaging technologies. Our cameras also guarantee reliable quality and flexible installation options to adapt to various scenarios. Trust VIGI network cameras for exceptional security.

State-of-Art Imaging Technology

VIGI Aurora Night Vision

Better than the Naked Eye

VIGI's Aurora Night Vision produces unparalleled colors along with amazingly crisp images in ultra-low light conditions, which can't be achieved with natural eyesight.*

Beyond IR, Beyond Full-Color

Images captured by IR cameras or traditional full-color cameras will suffer from digital noise and the loss of detail. VIGI's Aurora Night Vision cameras reveal excellent image details even in extreme darkness.*

IR Night Vision | IR Night Vision | Aurora Night Vision

Less Light Pollution

VIGI's Aurora Night Vision cameras offer true color and bright imaging in low light without the need for spotlights, minimizing light pollution.

More Light Pollution with Traditional Full-Color Cameras

Less Light Pollution with VIGI Aurora Night Vision Cameras

Scan for more details about VIGI Aurora Night Vision Technology.

*The image was captured by VIGI C340S.

Four Technology Breakthroughs

F1.0 Large Aperture

Collects 4× more light to support colorful imaging at night*

1/1.8" Highly Sensitive Sensor

Increased photosensitive surface by 2.1× to make the best of available light*

Uniquely Designed White Lights

Light is more concentrated for the FOV required by the lens

LED fill lights emit more uniform and softer lighting

Embedded ISP Module

Smart image-processing algorithms automatically enhance image quality

120 dB WDR ensures crystal-clear images in high contrast scenes

Wide Applications

Parking Lot

Reduces license plate reflections caused by infrared and accurately identifies vehicle features.

Entrance/Street

Identifies the characteristics of people and vehicles and avoids false alarms due to flying insects.

Park

Collect color information for improved security.

Scan for more details about VIGI Aurora Night Vision Technology.

*This value is compared with the traditional F2.0 aperture, 1/3" target surface sensor.

4K Ultra HD

4K Ultra HD is 2.2× clearer than 4MP, providing incredibly clear videos that allow for better object identification and analysis. Perfect for stadiums, warehouses, and parking lots that require detailed monitoring.

Dual-Lens Image Fusion

By combining two lenses, VIGI cameras render 32:9 ultra-wide images without overlaps or gaps in the middle, effectively widening FOV and minimizing blind spots.

Left Lens   Right Lens

Dual-Lens Imaging
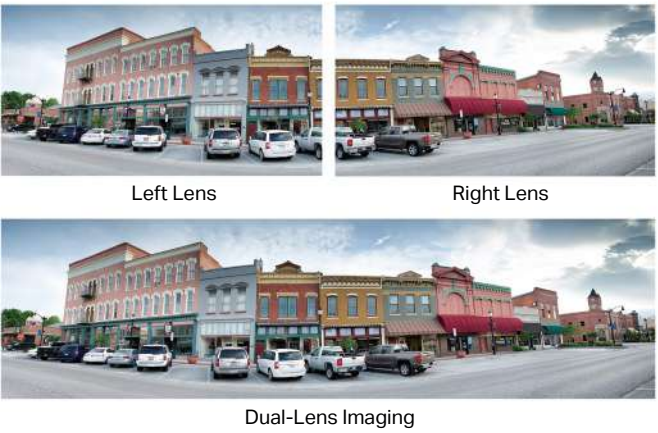
Optical Varied Focal

By adjusting the field of view (FOV), this feature assists you in concentrating on areas of interest, minimizing invalid detection zones, and enhancing target clarity.

Before Adjustment   After Adjustment

Dual-Lens Mixed Zoom

3× Zoom

Allows you to freely view the entire scene and capture far-off details, useful for places like small parking lots and courtyards where 360° and detailed close-up monitoring is required.

Instant Zoom

Zooming is instant without suffering from delays and image dragging, helping you quickly focus on details and get on-site information.

2s   **8.5×Faster**

17 s

3× Zoom Time*

VIGI Dual-Lens Varifocal   Traditional Mechano-Optical Zoom
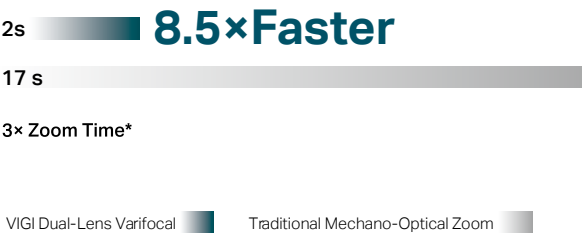
Fisheye

One Camera for the Coverage of Four

Covers four angles with a single 360° panoramic view, eliminating the need for extra cameras and saving costs.

Flexible Display Modes

Captures every direction with various display modes to reduce potential blind spots. Install fisheye cameras small-scale scenarios like offices and stores to enjoy monitoring without dead zones.

Dewarping   360° View

180° View   Quad View
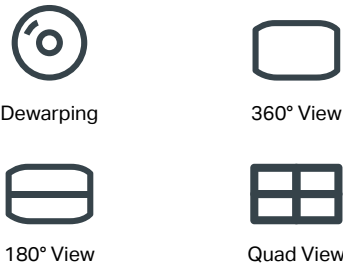
Smart Video Enhancement

Up to 120 dB WDR

Intelligently adjusts exposure in high-contrast settings like building entrances, ATMs, or near windows, preventing overexposed or underexposed images.

Smart IR

Automatically adjusts IR lights and keeps objects from being under-rendered when far away or washed out when close to the camera.

Without WDR   With WDR   Normal IR   Smart IR

*Calculations based on laboratory testing. Actual zooming speed will vary as a result of client limitations and environmental factors.

Naming Rules

VIGI **C** **3** **4** **0** **S** - **W** - **(4mm)**

VIGI	VIGI: Brand Name

C	C: Camera

3	2: Dome Camera 5: Pan Tilt Camera 3: Bullet Camera 6: Fisheye Camera 4: Turret Camera

4	2: 2MP 5: 5MP 3: 3MP 8: 8MP 4: 4MP

0	0-9 Small Updates in Appearance or Functions 5: Metal Shell

S	Letters representing supported special features. P: Fisheye Panoramic S: Aurora Night Vision V: Variable Focal Lens I: Infrared DP: Dual-Lens Panoramic Z: Optical Zoom Empty: Full Color ......

W	W: Wi-Fi Camera 4G: 4G Camera Empty: Wired Camera

(4mm)	Focal Length*

Series Name	Definition
Insight Series	Cameras with Powerful AI and Imaging Capabilities
Eco Series	Cameras with Economical and Easy-to-Use Features

Insight Series

Aurora Night Vision Cameras

Captures Vivid Images in Ultra-Low Light

- Ultra Low-Light Color Night Vision
- People & Vehicle Analytics
- 120dB WDR Technology
- Human & Vehicle Classification
- Face Recognition
- Significantly Lower Bandwidth with H.265+

*Only displayed in the model name and only for fixed-lens cameras.

Specifications

Product Type	Dome Camera		Bullet Camera			Turret Camera		Pan Tilt Camera
Product Image								
Product Model	VIGI C285S*	VIGI C245S*	VIGI C385S*	VIGI C345S*	VIGI C340S	VIGI C485S*	VIGI C445S*	VIGI C540S
Pixels	8MP	4MP	8MP	4MP	4MP	8MP	4MP	4MP
Image Sensor	1/1.8" Progressive Scan CMOS							
Day/Night Switch	Unified/ Scheduled/ Auto							
Aperture	F1.0	F1.0	F1.0	F1.0	F1.0	F1.0	F1.0	F1.0
Focal Length	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	4mm
FOV	2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 95.2° (H), 50.6° (V), 114.7° (D)		2.8mm: 96.1° (H), 52° (V), 113.6° (V) 4mm: 95.2° (H), 50.6° (V), 114.7° (D)			2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 95.2° (H), 50.6° (V), 114.7° (D)		4mm : 104° (H), 55°(V), 127°(D)
Min. Illumination	0.0005 Lux; 0 Lux with White lLight							
Video Compression	H.265+/H.264+/ H.265/H.264							
Smart Detection[†]	●	●	●	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●	●	●	●
People & Vehicle Analytics**	●	●	●	●	●	●	●	●
Facial Recognition**	●	●	●	●	●	●	●	●
SmartVid	●	●	●	●	●	●	●	●
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
IR LED	-	-	-	-	-	-	-	-
White LED	30 m, White LED*2	30 m, White LED*2	30 m, White LED*4	30 m, White LED*4	30 m, White LED*4	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2
Built-In Microphone	●	●	●	●	●	●	●	●
Built-In Speaker	●	●	●	●	●	●	●	●
Alarm In/Out Interfaces	-	-	-	-	-	-	-	-
Audio In/Out Interfaces	-	-	-	-	-	-	-	-
microSD Card Slot	●	●	●	●	●	●	●	●
Network	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Protection	IP67, IK10, Metal	IP67, IK10	IP67, Metal	IP67, Metal	IP67	IP67, Metal	-	IP66
Operating Temperature	30–60°	30–60°	30–60°	30–60°	30–60°	30–60°	30–60°	30–60°
Power Supply	12V DC ± 5%, Max. 10.1 W PoE: 802.3af/at, class 0, Max. 11.5 W		12V DC ± 5%, Max. 10.1 W PoE: 802.3af/at, class 0, Max. 11.5 W			12V DC ± 5%, Max. 10.1 W PoE: 802.3af/at, class 0, Max. 11.5 W		12V DC ± 5%, Max. 13.13 W PoE: 802.3at, class 4, Max. 16.47 W

*These products may be in development. Actual products may vary from displayed images and features.
**When Face Recognition is enabled, 120dB is not supported and only DWDR is supported. And People & Vehicle Analytics and Face Recognition can't be enabled at the same time.
[†]Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.
[‡]All specifications are subject to change without notice.

Insight Series

Full-Color Cameras

Colorful Videos Day & Night

🌈 Full-Color 24/7

🚶🚗 Human & Vehicle Classification

120dB WDR 120dB WDR Technology

🛡 Active Defense

📊 People & Vehicle Analytics*

H.265+ Significantly Lower Bandwidth with H.265+

*Features may vary from products. Please refer to the actual products.

Specifications

Product Type	Dome Camera			Turret Camera			
Product Image							
Product Model	VIGI C285	VIGI C255	VIGI C245	VIGI C485P*	VIGI C485	VIGI C455	VVIGI C445
Pixels	8MP	5MP	4MP	8MP	8MP	5MP	4MP
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Day/Night Switch	Unified/ Scheduled/ Auto						
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6	F1.6	F1.6
Focal Length	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm
FOV	2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 91.5° (H), 46.1° (V), 109.6° (D)	2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 88° (H), 46° (V), 105.4° (D)	2.8mm: 100° (H), 54° (V), 118° (D) 4mm: 80.4° (H), 41.8° (V), 98.7° (D)	2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 91.5° (H), 46.1° (V), 109.6° (D)		2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 88° (H), 46° (V), 105.4° (D)	2.8mm: 100° (H), 54° (V), 118° (D) 4mm: 80.4° (H), 41.8° (V), 98.7° (D)
Min. Illumination	0.005 Lux; 0 Lux with IR/White Light						
Video Compression	H.265+/H.264+/ H.265/H.264						
Smart Detection[†]	●	●	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●	●	●
People & Vehicle Analytics*	-	●	●	●	●	●	●
Face Recognition	-	-	-	-	-	-	-
SmartVid	●	●	●	●	●	●	●
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
IR LED	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*4	30 m, IR LED*4	30 m, IR LED*4	30 m, IR LED*4
White LED	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*4	30 m, White LED*4	30 m, White LED*4	30 m, White LED*4
Built-In Microphone	●	●	●	●	●	●	●
Alarm In/Out Interfaces	-	-	-	-	-	-	-
Audio In/Out Interfaces	-	-	-	-	-	-	-
Built-In Speaker	●	●	-	●	●	●	●
microSD Card Slot	●	●	●	●	●	●	●
Network	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Protection	IP67, IK10, Metal	IP67, IK10, Metal	IP67, IK10, Metal	IP67,Metal	IP67,Metal	IP67, Metal	IP67, Metal
Operating Temperature	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°
Power Supply	12V DC ± 5%, Max. 10.5 W PoE: 802.3af/at, class 0, Max. 11.2 W			12V DC ± 5%, Max. 11.52 W PoE: 802.3af/at, class 0, Max. 12.5 W		12V DC ± 5%, Max. 11 W PoE: 802.3af/at, class 0, Max. 12 W	

*When People & Vehicle Analytics is enabled, 120dB is not supported and only DWDR is supported.
**All specifications are subject to change without notice.
[†]Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.
ᵃThese products may be in development. Actual products may vary from displayed images and features.

Specifications

Product Type	Bullet Camera				
Product Image					
Product Model	VIGI C385DP*	VIGI C385P*	VIGI C385	VIGI C355	VIGI C345
Pixels	8MP	8MP	8MP	5MP	4MP
Image Sensor	1/2.7" Progressive Scan CMOS × 2	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Day/Night Switch	Unified/ Scheduled/ Auto				
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6
Focal Length	4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm/6mm	2.8mm/4mm/6mm
FOV	4mm: 91.5° (H), 46.1° (V), 109.6° (D)	2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 91.5° (H), 46.1° (V), 109.6° (D)		2.8mm: 111.4° (H), 58.8° (V), 134° (D) 4mm: 88° (H), 46° (V), 105.4° (D) 6mm: 57.3° (H), 31.3° (V), 67.2° (D)	2.8mm: 100° (H), 54° (V), 118° (D) 4mm: 80.4° (H), 41.8° (V), 98.7° (D) 6mm: 52.7° (H), 29° (V), 60.8° (D)
Min. Illumination	0.005 Lux; 0 Lux with IR/white light				
Video Compression	H.265+/H.264+/ H.265/H.264				
Smart Detection[†]	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●
People & Vehicle Analytics**	-	-	-	●	●
Face Recognition	-	-	-	-	-
SmartVid	●	●	●	●	●
WDR	120dB	120dB	120dB	120dB	120dB
IR LED	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2
White LED	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2
Built-In Microphone	●	●	●	●	●
Built-In Speaker	●	●	●	●	●
Alarm In/Out Interfaces	-	-	-	-	-
Audio In/Out Interfaces	-	-	-	-	-
microSD Card Slot	●	●	●	●	●
Network	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Protection	IP67, Metal	IP67, Metal	IP67, Metal	IP67, Metal	IP67, Metal
Operating Temperature	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°
Power Supply	12V DC ± 5%, Max. 10.5 W PoE: 802.3af/at, class 0, Max. 11.5 W			12V DC ± 5%, Max. 9.7W PoE: 802.3af/at, class 0, Max. 10.7 W	

*This product may be in development. Actual product may vary from displayed image and features.
**When People & Vehicle Analytics is enabled, 120dB is not supported and only DWDR is supported.
[†]Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.
ᵃAll specifications are subject to change without notice.

Insight Series

IR Cameras

Protect Your Property Around-The-Clock

IR Night Vision

5× Optical Zoom*

120dB WDR Technology

Face Recognition

People & Vehicle Analytics

Significantly Lower Bandwidth with H.265+

*Features may vary from products. Please refer the actual products.

Specifications

Product Type	Dome Camera		Bullet Camera		Turret Camera		Fisheye Camera	
Product Image								
Product Model	VIGI C285ZI	VIGI C245ZI	VIGI C385ZI	VIGI C345ZI	VIGI C485ZI	VIGI C445ZI	VIGI C685I	VIGI C655I
Pixels	8MP	4MP	8MP	4MP	8MP	4MP	8MP	5MP
Image Sensor	1/2.9" Progressive Scan CMOS		1/2.9" Progressive Scan CMOS		1/2.9" Progressive Scan CMOS		1/2.7" Progressive Scan CMOS	
Day/Night Switch	Unified/ Scheduled/ Auto							
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6	F1.6	F2.0	F2.0
Focal Length	2.7mm to 13.5mm	2.7mm to 13.5mm	2.7mm to 13.5mm	2.7mm to 13.5mm	2.7mm to 13.5mm	2.7mm to 13.5mm	1.4mm	1.4mm
FOV	2.7mm: 98.9° (H), 52.6° (V), 117.4° (D) 13.5mm: 30.4° (H), 17.1° (V), 34.8° (D)		2.7mm: 98.9° (H), 52.6° (V), 117.4° (D) 13.5mm: 30.4° (H), 17.1° (V), 34.8° (D)		2.7mm: 98.9° (H), 52.6° (V), 117.4° (D) 13.5mm: 30.4° (H), 17.1° (V), 34.8° (D)		1.4mm: 180° (H), 180°(V), 180°(D)	
Min. Illumination	Color: 0.1 Lux; 0 Lux with IR							
Video Compression	H.265+/H.264+/ H.265/H.264							
Smart Detection[†]	●	●	●	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●	●	-	-
People & Vehicle Analytics	●	●	●	●	●	●	-	-
Facial Recognition*	●	●	●	●	●	●	-	-
SmartVid	●	●	●	●	●	●	●	●
WDR	120dB	120dB	120dB	120dB	120dB	120dB	100dB	100dB
IR LED	60m, IR LED*2	60m, IR LED*2	60m, IR LED*2	60m, IR LED*2	60m, IR LED*2	60m, IR LED*2	10m, IR LED*4	10m, IR LED*4
White LED	-	-	-	-	-	-	-	-
Built-In Microphone	●	●	●	●	●	●	●	●
Built-In Speaker	●	●	●	●	●	●	●	●
Alarm In/Out Interfaces	●	●	●	●	●	●	-	-
Audio In/Out Interfaces	●	●	●	●	●	●	-	-
microSD Card Slot	●	●	●	●	●	●	●	●
Network	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Protection	IP67, Metal	IP67, Metal	IP67, Metal	IP67, Metal	IP67, Metal	IP67, Metal	-	-
Operating Temperature	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°
Power Supply	12V DC ± 5%, Max. 15W PoE: 802.3at, class 4, Max. 18 W		12V DC ± 5%, Max. 15W PoE: 802.3at, class 4, Max. 18 W		12V DC ± 5%, Max. 15W PoE: 802.3at, class 4, Max. 18 W		12V DC ± 5%, Max. 7.85 W PoE: 802.3af/at, class 0, Max. 9.8 W	

*When Face Recognition is enabled, 120dB is not supported and only DWDR is supported. And People & Vehicle Analytics and Face Recognition can't be enabled at the same time.
**All specifications are subject to change without notice.
[†]Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.

Eco Series

Full-Color Cameras

Provides Video Footage in Vibrant Colors

Full-Color 24/7

120dB WDR Technology*

People & Vehicle Analytics*

Human & Vehicle Classification

Active Defense

Significantly Lower Bandwidth with H.265+

Specifications

Product Type	Dome Camera			Turret Camera			
Product Image							
Product Model	VIGI C250	VIGI C240	VIGI C230	VIGI C450	VIGI C440*	VIGI C440-W*	VIGI C430
Pixels	5MP	4MP	3MP	5MP	4MP	4MP	3MP
Image Sensor	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Day/Night Switch	Unified/ Scheduled/ Auto						
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6	F1.6	F1.6
Focal Length	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	4mm	2.8mm/4mm
FOV	2.8mm: 109° (H), 57° (V), 128° (D) 4mm: 90° (H), 48° (V), 107° (D)	2.8mm: 95.7° (H), 51.7° (V), 113.0° (D) 4mm: 79.7° (H), 42.9° (V), 93.9° (D)	2.8mm: 107.5° (H), 57.2° (V), 128.7° (D) 4mm: 89.1° (H), 54.1° (V), 106.9° (D)	2.8mm: 109° (H), 57° (V), 128° (D) 4mm: 90° (H), 48° (V), 107° (D)	2.8mm: 102° (H), 55° (V), 122.0° (D) 4mm: 79° (H), 43° (V), 93° (D)	4mm: 80° (H), 43.2° (V), 94.2° (D)	2.8mm: 107.5° (H), 57.2° (V), 128.7° (D) 4mm: 89.1° (H), 45.1° (V), 106.9° (D)
Min. Illumination	0.005 Lux; 0 Lux with IR/White Light						
Video Compression	H.265+/H.264+/ H.265/H.264						
Smart Detection[†]	●	●	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●	●	●
People & Vehicle Analytics**	●	-	-	●	-	-	-
Face Recognition	-	-	-	-	-	-	-
SmartVid	●	●	●	●	●	●	●
WDR	120dB	DWDR	DWDR	120dB	DWDR	DWDR	DWDR
IR LED	30 m, IR LED*1	30 m, IR LED*1	30 m, IR LED*1	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2
White LED	30 m, White LED*1	30 m, White LED*1	30 m, White LED*1	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2
Built-In Microphone	●	●	●	●	●	●	●
Built-In Speaker	-	-	-	●	●	●	-
Alarm In/Out Interfaces	-	-	-	-	-	-	-
Audio In/Out Interfaces	-	-	-	-	-	-	-
microSD Card Slot	●	●	-	●	●	●	-
Network	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Wi-Fi/Ethernet	Ethernet
Protection	IP67, IK10	IP67, IK10	IP67, IK10	-	-	-	--
Operating Temperature	-30–60°	-30–60°	-30–60°	30–60°	30–60°	30–60°	30–60°
Power Supply	12V DC ± 5%, Max. 7 W PoE: 802.3af/at, class 0, Max. 8 W	12V DC ± 5%, Max. 5.4 W PoE: 802.3af/at, class 0, Max. 6 W	12V DC ± 5%, Max. 4.7 W PoE: 802.3af/at, class 0, Max. 5.5 W	12V DC ± 5%, Max. 9 W PoE: 802.3af/at, class 0, Max. 10.5 W	12V DC ± 5%, Max. 7 W PoE: 802.3af/at, class 0, Max. 8 W	9V DC/0.85A	12V DC ± 5%, Max. 5.5 W PoE: 802.3af/at, class 0, Max. 6 W

*Features may vary slightly based on product version.
**When People & Vehicle Analytics is enabled, 120dB is not supported and only DWDR is supported.
***All specifications are subject to change without notice.
†Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.

*Features may vary from products. Please refer the actual products.

Specifications

Bullet Camera

Product Type	Bullet Camera				
Product Image					
Product Model	VIGI C350	VIGI C340*	VIGI C340-W*	VIGI C340-4G**	VIGI C330
Pixels	5MP	4MP	4MP	4MP	4MP
Image Sensor	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Day/Night Switch	Unified/ Scheduled/ Auto				
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6
Focal Length	2.8mm/4mm/6mm	2.8mm/4mm/6mm	4mm	4mm	4mm
FOV	2.8mm: 109° (H), 57° (V), 128° (D) 4mm: 90° (H), 48° (V), 107° (D) 6mm: 56° (H), 30.5° (V), 66° (D)	2.8mm: 102° (H), 55° (V), 122° (D) 4mm: 79° (H), 43° (V), 93° (D) 6mm: 50° (H), 27° (V), 59° (D)	4mm: 80° (H), 43.2° (V), 94.2° (D)	4mm: 80° (H), 43.2° (V), 94.2° (D)	2.8mm: 107.5° (H), 57.2° (V), 128.7° (D) 4mm: 89.1° (H), 45.1° (V), 106.9° (D) 6mm: 55.1° (H), 30.2° (V), 64° (D)
Min. Illumination	0.005 Lux; 0 Lux with IR/white light				
Video Compression	H.265+/H.264+/ H.265/H.264				
Smart Detection†	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●
People & Vehicle Analytics‡	●	-	-	-	-
Face Recognition	-	-	-	-	-
SmartVid	●	●	●	●	●
WDR	120dB	DWDR	DWDR	DWDR	DWDR
IR LED	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2
White LED	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2
Built-In Microphone	●	●	●	●	●
Built-In Speaker	●	●	●	●	-
Alarm In/Out Interfaces	-	-	-	-	-
Audio In/Out Interfaces	-	-	-	-	-
microSD Card Slot	●	●	●	●	-
Network	Ethernet	Ethernet	Wi-Fi/Ethernet	4G/Ethernet	Ethernet
Protection	IP67	IP67	IP67	IP67	IP67
Operating Temperature	-30–60°	-30–60°	30–60°	30–60°	30–60°
Power Supply	12V DC ± 5%, Max. 9 W PoE: 802.3af/at, class 0, Max. 10.5 W	12V DC ± 5%, Max. 7 W PoE: 802.3af/at, class 0, Max. 8 W	9V DC/0.85A	12V DC/1A	12V DC ± 5%, Max. 5.5 W PoE: 802.3af/at, class 0, Max. 6 W

*Features may vary slightly based on product version.
**This product may be in development. Actual product may vary from displayed image and features.
***All specifications are subject to change without notice.
§When People & Vehicle Analytics is enabled, 120dB is not supported and only DWDR is supported.
†Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.

Specifications

Pan Tilt (Zoom) Camera

Product Type	Pan Tilt (Zoom) Camera				
Product Image					
Product Model	VIGI C580*	VIGI C540V	VIGI C540**	VIGI C540-W**	VIGI C540-4G
Pixels	8MP	4MP	4MP	4MP	4MP
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Day/Night Switch	Unified/ Scheduled/ Auto				
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6
Focal Length	4mm	4mm to 12mm	4mm	4mm	4mm
FOV	79° (H), 43° (V), 93° (D)	100° (H), 84° (V), 46° (D)	79° (H), 43° (V), 93° (D)	79° (H), 43° (V), 93° (D)	80°(H), 43°(V), 94.2°(D)
Min. Illumination	0.005 Lux; 0 Lux with IR/white light				
Video Compression	H.265+/H.264+/ H.265/H.264				
Smart Detection†	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●
People & Vehicle Analytics	-	-	-	-	-
Face Recognition	-	-	-	-	-
SmartVid	●	●	●	●	●
WDR	120 dB	DWDR			
IR LED	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2
White LED	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2	30 m, White LED*2
Built-In Microphone	●	●	●	●	●
Built-In Speaker	●	●	●	●	●
Alarm In/Out Interfaces	-	-	-	-	-
Audio In/Out Interfaces	-	-	-	-	-
microSD Card Slot	●	●	●	●	●
Network	Ethernet	Ethernet	Ethernet	Wi-Fi/Ethernet	4G/Ethernet
Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°
Power Supply	12V DC ± 5%, Max. 14 W PoE: 802.3at, class 4, Max. 16 W			12V DC/1A	

*This product may be in development. Actual product may vary from displayed image and features.
**Features may vary slightly based on product version.
***All specifications are subject to change without notice.
†Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.

Eco Series

IR Cameras

Provide Continuous Monitoring Even in Complete Darkness

- IR Night Vision
- Human & Vehicle Classification
- Smart Detection
- Smart Video Enhancement
- Simplified Deployment with PoE
- Significantly Lower Bandwidth with H.265+

Specifications

Product Type	Dome Camera			
Product Image				
Product Model	VIGI C240I	VIGI C230I	VIGI C220I	VIGI C230I Mini
Pixels	4MP	3MP	2MP	3MP
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Day/Night Switch	Unified/ Scheduled/ Auto			
Aperture	F2.2	F2.0 (4mm), F2.2 (2.8mm)	F2.0 (4mm), F2.2 (2.8mm)	F1.6
Focal Length	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm
FOV	2.8mm: 88.8° (H), 48.9° (V), 106.5° (D) 4mm: 75.1° (H), 41.5° (V), 88.7° (D)	2.8mm: 97.8° (H), 52.9° (V), 117.9° (D) 4mm: 82.5° (H), 44.9° (V), 99.3° (D)	2.8mm: 88.2° (H), 48.7° (V), 106.5° (D) 4mm: 74.6° (H), 41.3° (V), 88.1° (D)	2.8mm: 106.9° (H), 56.9° (V), 127.9° (D)
Min. Illumination	Color: 0.01 Lux; 0 Lux with IR			
Video Compression	H.265+/H.264+/ H.265/H.264			
Smart Detection[†]	●	●	●	●
Human & Vehicle Classification	●	●	●	●
People & Vehicle Analytics	-	-	-	-
Face Recognition	-	-	-	-
SmartVid	●	●	●	●
WDR	DWDR	DWDR	DWDR	DWDR
IR LED	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2
White LED	-	-	-	-
Built-In Microphone	-	-	-	●
Built-In Speaker	-	-	-	●
Alarm In/Out Interfaces	-	-	-	-
Audio In/Out Interfaces	-	-	-	-
microSD Card Slot	-	-	-	●
Network	Ethernet	Ethernet	Ethernet	Ethernet
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IK08
Operating Temperature	-30–60°	-30–60°	-30–60°	-30–60°
Power Supply	12V DC ± 5%, Max. 5 W PoE: 802.3af/at, class 0, Max. 5.5 W	PoE: 802.3af/at, class 0, Max. 5.5 W		12V DC ± 5%, Max. 7.5 W PoE: 802.3af/at, class 0, Max. 8.5 W

[†]Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.
*All specifications are subject to change without notice.

Specifications

Product Type	Bullet Camera				Turret Camera		
Product Image							
Product Model	VIGI C340I	VIGI C330I	VIGI C320I	VIGI C323I	VIGI C440I	VIGI C430I	VIGI C420I
Pixels	4MP	3MP	2MP	2MP	4MP	3MP	2MP
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Day/Night Switch	Unified/ Scheduled/ Auto						
Aperture	F2.0 (6mm), F2.2 (2.8/4mm)	F2.0 (4/6mm), F2.2 (2.8mm)	F2.0 (4/6mm), F2.2 (2.8mm)	F2.0 (4/6mm), F2.2 (2.8mm)	F2.2	F2.0 (4mm), F2.2 (2.8mm)	F2.0 (4mm), F2.2 (2.8mm)
Focal Length	2.8mm/4mm/6mm	2.8mm/4mm/6mm	2.8mm/4mm/6mm	2.8mm/4mm/6mm	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm
FOV	2.8mm: 88.8° (H), 48.9° (V), 106.5° (D) 4mm: 75.1° (H), 41.5° (V), 88.7° (D) 6mm: 47.7° (H), 26.5° (V), 56° (D)	2.8mm: 97.8° (H), 52.9° (V), 117.9° (D) 4mm: 82.5° (H), 44.9° (V), 99.3° (D) 6mm: 51.9° (H), 28.7° (V), 60° (D)	2.8mm: 88.2° (H), 48.6° (V), 106.5° (D) 4mm: 74.6° (H), 41.3° (V), 88.1° (D) 6mm: 47.7° (H), 26.5° (V), 56° (D)	2.8mm: 88.2° (H), 48.6° (V), 106.5° (D) 4mm: 74.6° (H), 41.3° (V), 88.1° (D) 6mm: 47.7° (H), 26.5° (V), 56° (D)	2.8mm: 88.8° (H), 48.9° (V), 106.5° (D) 4mm: 75.1° (H), 41.5° (V), 88.7° (D)	2.8mm: 97.8° (H), 52.9° (V), 117.9° (D) 4mm: 82.5° (H), 44.9° (V), 99.3° (D)	2.8mm: 88.2° (H), 48.7° (V), 106.5° (D) 4mm: 74.6° (H), 41.3° (V), 88.1° (D)
Min. Illumination	Color: 0.01 Lux; 0 Lux with IR light						
Video Compression	H.265+/H.264+/ H.265/H.264						
Smart Detection[†]	●	●	●	●	●	●	●
Human & Vehicle Classification	●	●	●	●	●	●	●
People & Vehicle Analytics	-	-	-	-	-	-	-
Face Recognition	-	-	-	-	-	-	-
SmartVid	●	●	●	●	●	●	●
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
IR LED	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*1	30 m, IR LED*1	30 m, IR LED*1
White LED	-	-	-	-	-	-	-
Built-In Microphone	-	-	-	●	-	-	-
Built-In Speaker	-	-	-	-	-	-	-
Alarm In/Out Interfaces	-	-	-	-	-	-	-
Audio In/Out Interfaces	-	-	-	-	-	-	-
microSD Card Slot	-	-	-	-	-	-	-
Network	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Protection	IP67	IP67	IP67	IP67	-	-	-
Operating Temperature	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°	-30–60°
Power Supply	12V DC ± 5%, Max. 5 W PoE: 802.3af/at, class 0, Max. 5.5 W		PoE: 802.3af/at, Max. 5.5 W		12V DC ± 5%, Max. 5 W PoE: 802.3af/at, class 0, Max. 5.5 W		PoE: 802.3af/at, class 0, Max. 5.5 W

†Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.
*All specifications are subject to change without notice.

Network Video Recorders

Designed to seamlessly integrate with cameras, VIGI Network Video Recorders offer a robust and reliable solution for storing, managing, and accessing your video footage. With advanced features such as high-capacity storage, intelligent video analytics, and user-friendly interfaces, our NVRs ensure efficient and effective video management. Experience the convenience of remote viewing and playback, enabling you to monitor your premises from anywhere, at any time.
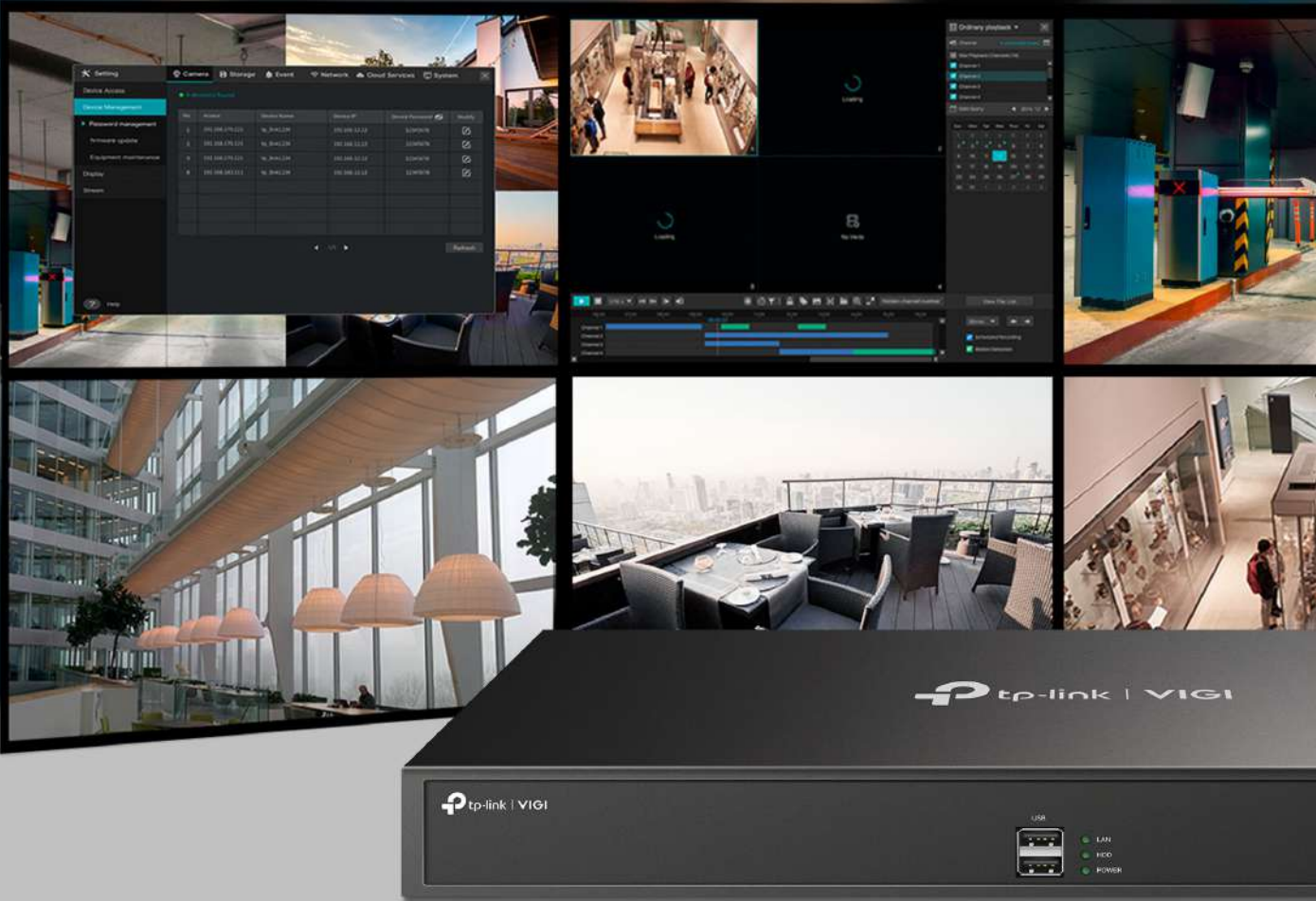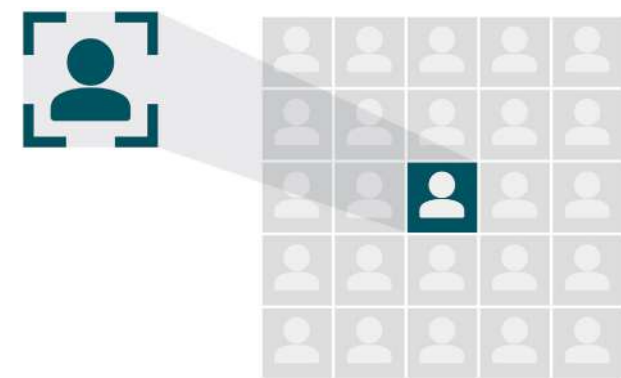
Highlights

Smart Search

Efficiently search out and review certain video clips by event type, face, and characteristics of vehicle/human.

Event

Vehicle

Face

Human

Face Recognition

By comparing the facial data with a face library, quickly match a human face, efficiently reducing the risk of unauthorized access.

Quick Lookup & Playback

Enjoy multi-channel simultaneous playback and find target footage easily by date, event type, and tag, so you can respond to events quickly.

Channel 1
Channel 2
Channel 3
Channel 4
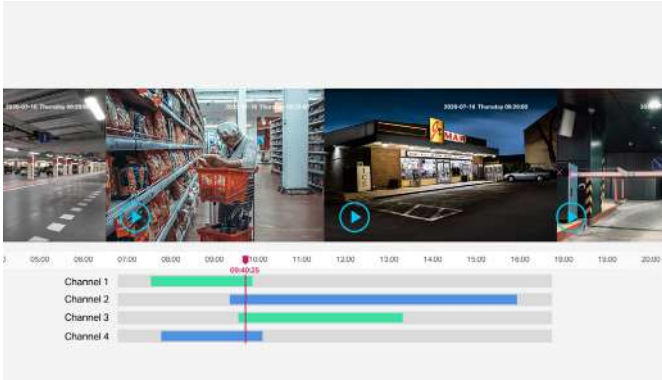
Significantly Lower Bandwidth with H.265+*

Compresses video size without sacrificing video quality, easing network loads and saving disk space.

57.5% Gap**

50% Gap**

15% Gap**

H.265+   H.265   H.264
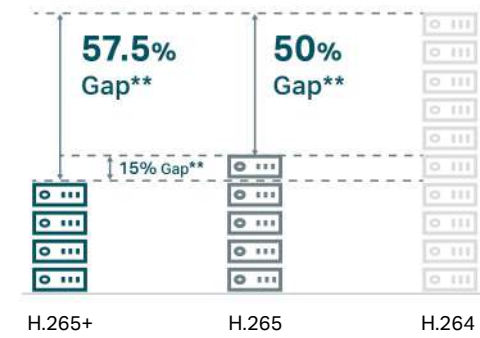
Independent Video Output

Allows users to view multiple feeds simultaneously on separate screens and customize setup, improving monitoring efficiency.

VGA
HDMI

Multilevel Permissions

Flexibly assign specific access levels for each user, ensuring your device and information security.

Admin

Operator

User
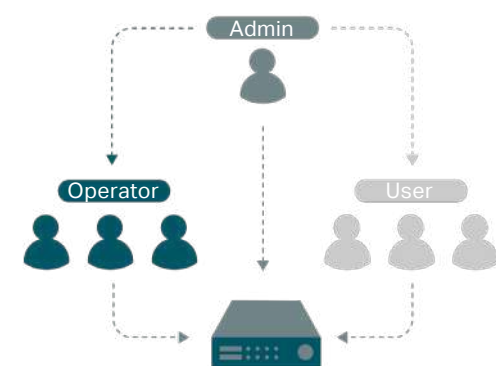
Wireless Connection

Simply pair your wireless cameras to VIGI NVR with Wi-Fi for quick wireless surveillance system deployment.

VIGI Wi-Fi IPC

VIGI Wi-Fi NVR

TP-Link Switch

VIGI PoE Camera

VIGI PoE Camera

Internet

Computer

Phone
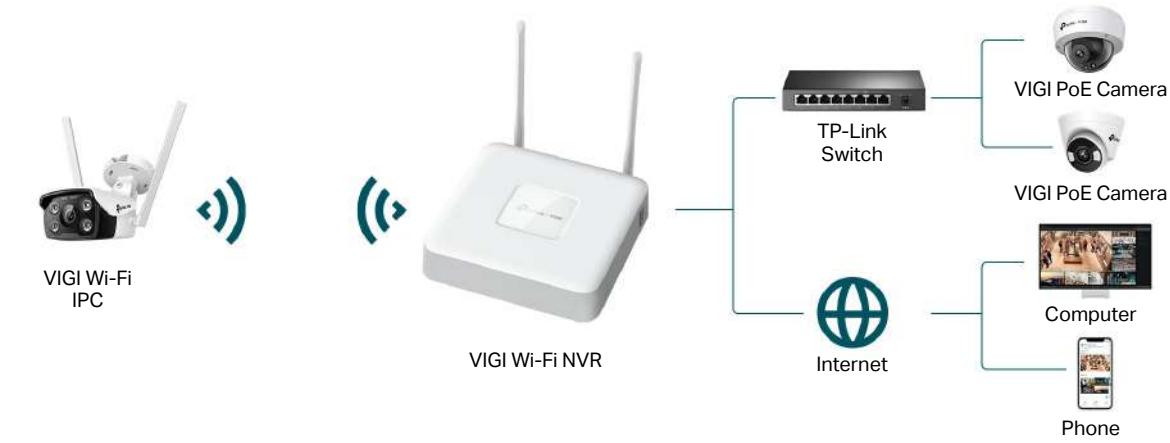
RAID Supported

RAID 1/5 configuration specifically enhances data security in case of a rare event hard drive failure.

RAID 1

Block 1	Block 1
Block 2	Block 2
Block 3	Block 3
Block 4	Block4
DISK 1	DISK 2

RAID 5

Block 1a	Block 1b	Block 1c	Parity b1
Block 2a	Block 2b	Parity b2	Block 2c
Block 3a	Parity b3	Block 3b	Block 3c
Parity b4	Block 4a	Block 4b	Block 4c
DISK 1	DISK 2	DISK 3	DISK 4
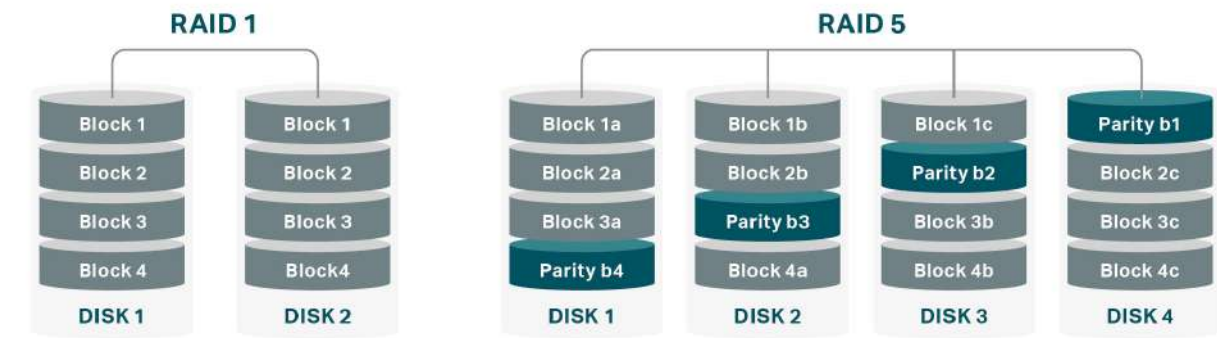
Dual Ethernet Port Design

Supports multiple network modes to enhance the reliability, performance, and flexibility of the surveillance system.

Multi-Address Mode

Allows your NVR and IPCs to be on two different networks. This way, you won't have all cameras bogging down your main network.

Network Fault-Tolerance

The two ethernet ports are in mutual backup, creating a safeguard or redundancy for your data.

Load Balance

Enables both ethernet ports to "share" the load of video data, reducing the "lagging" or "skipping" on video from the cameras.

Dual Ethernet Ports

*Tile encoding is automatically enabled in H.265 mode when the horizontal resolution exceeds 2688. If a third-party NVR doesn't support tile encoding, it cannot enable H.265 mode. For optimal performance, we recommend using VIGI NVR with VIGI cameras.
**Calculations based on laboratory testing using a 3MP VIGI camera. Actual performance may vary according to the amount of activity recorded, resolution, and other variables.

Naming Rules

NVR

VIGI NVR 4 0 32 H - XX - XTB

Code	Description
VIGI	Brand Name
NK	Network Video Recorder
4	X: HDD Numbers 4: 4 HDD 1: 1 HDD 8: 8 HDD 2: 2 HDD
0	0: Reserved Number 1: Simple HDD Installation
32	XX: Number of Channels (08/16/32/48/64)
H	H: H.265+ Empty: H.264+
W	XX: Special Function P/MP: PoE Supply, P/MP for Different Budget AI: Built-in AI Function W: Wi-Fi
XTB	Built-in HDD Capability

NVR KIT

VIGI NK 16 (M)P - T 12 4 2 X - XT

Code	Description
VIGI	Brand Name
NK	NVR Kit
16	Number of Channels (08/16/32/48/64)
(M)P	PoE Supply, P/MP for Different Budget
T	D: Dome Camera T: Turret Camera B: Bullet Camera P: Pan&Tilt Camera
12	Number of Cameras
4	Camera Resolution (2/3/4/5/8)
2	Focal Length 2: 2.8mm 4: 4mm 6: 6mm
X	5: Metal Case P: Panoramic S: Aurora Night Vision Empty: Full Color V: Variable Focal Lens I: Infrared
XT	The Capability of HDD Preinstalled

Specifications

Product Type	PoE NVR								
Product Image									
Product Model	VIGI NVR2016H-16MP	VIGI NVR2016H-16MP-4TB	VIGI NVR2016H-16P	VIGI NVR2008H-8MP-2TB	VIGI NVR1008H-8MP	VIGI NVR1008H-8P	VIGI NVR1004H-4P	VIGI NVR1004H-4P-2TB	VIGI NVR1104H-4P
Network Video Access Bandwidth	80 Mbps	80 Mbps	80 Mbps	80 Mbps	80 Mbps	80 Mbps	80 Mbps	80 Mbps	80 Mbps
Network Video Input	16 Channels	16 Channels	16 Channels	8 Channels	8 Channels	8 Channels	4 Channels	4 Channels	4 Channels
Network Interface	1*1000Mbps	1*1000Mbps	1*1000Mbps	1*100 Mbps	1*100Mbps	1*100Mbps	1*100Mbps	1*100Mbps	1*100Mbps
PoE Interface	16*10/100 Mbps, Max 140W, 802.3 af/at	16*10/100 Mbps, Max 140W, 802.3 af/at	16*10/100 Mbps, Max 90W, 802.3 af/at	8*10/100 Mbps, Max 92W, 802.3 af/at	8*10/100 Mbps, Max 113W, 802.3 af/at	8*10/100 Mbps, Max 53W, 802.3 af/at	4*10/100 Mbps, Max 53W, 802.3 af/at	4*10/100 Mbps, Max 53W, 802.3 af/at	4*10/100 Mbps, Max 53W, 802.3 af/at
Video Compression	H.265+/H.264+/H.265/H.264								
Decoding Capability	4-ch @ 4MP, 8-ch @ 2MP						4-ch @ 4MP	4-ch @ 4MP	4-ch @ 4MP
Recorded Resolution	Up to 4K (8MP)								
Video Interface	HDMI/VGA Simultaneous Output								HDMI / VGA Simultaneous Output (Built-in Speaker)
Hard Drive	2 SATA Interfaces (Max 10TB for each*)	2 SATA Interfaces (Max 10TB for each and 4TB HDD preinstalled)	2 SATA Interfaces (Max 10TB for each*)	2 SATA Interfaces (Max 10TB for each and 2TB HDD preinstalled)	1 SATA Interface (Max 10TB for each*)	1 SATA Interface (Max 10TB for each*)	1 SATA Interface (Max 10TB for each*)	1 SATA Interface (10TB max and 2TB HDD preinstalled)	1 SATA Interface (Max 10TB for each*) (HDD Quick Installation)
Power Supply	DC 53.5 V, 3.37 A	DC 53.5 V, 3.37 A	DC 53.5 V, 2.43 A	DC 53.5 V, 2.43 A	DC 53.5 V, 2.43 A	DC 53.5 V, 1.31 A	DC 53.5 V, 1.31 A	DC 53.5 V, 1.31 A	DC 53.5 V, 1.31 A

Product Type	Non-PoE NVR				
Product Image					
Product Model	VIGI NVR8096H†	VIGI NVR8064H†	VIGI NVR4064H	VIGI NVR4032H	VIGI NVR2032H
Network Video Access Bandwidth	480Mbps	480Mbps	320 Mbps	320 Mbps	320 Mbps
Network Video Input	96 channels	64 channels	64 channels	32 channels	32 channels
Network Interface	2*1000M	2*1000M	2*1000M	2*1000M	2*1000M
Video Compression	H.265+/H.264+/H.265/H.264				
Smart Analysis	Face Recognition/ Smart Search				
Decoding Capability	16-ch @ 4MP, 32-ch @ 2MP			16-ch @ 2MP, 8-ch @ 4MP	
Recorded Resolution	Up to 8K (32MP)	Up to 8K (32MP)	Up to 4K (8MP)	Up to 4K (8MP)	Up to 4K (8MP)
Video Interface	HDMI/VGA Independent Output	HDMI/VGA Independent Output	HDMI1/VGA Simultaneous or Independent Output; HDMI1/HDMI2 Simultaneous or Independent Output	HDMI/VGA Independent Output	HDMI/VGA Independent Output
Hard Drive	8 SATA Interface (Max 10TB for each*)	8 SATA Interface (Max 10TB for each*)	4 SATA Interface (Max 10TB for each*)	4 SATA Interface (Max 10TB for each*)	2 SATA Interface (Max 10TB for each*)
Power Supply	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz

†This product may be in development. Actual product may vary from displayed image and features.
*A hard disk drive (not included) must be installed for operation.

Specifications

Product Type	Non-PoE NVR				
Product Image					
Product Model	VIGI NVR2016H	VIGI NVR1016H	VIGI NVR1108H-W	VIGI NVR1008H	VIGI NVR1004H
Network Video Access Bandwidth	80 Mbps	80 Mbps	80 Mbps	80 Mbps	80 Mbps
Network Video Input	16 Channels	16 Channels	8 Channels	8 Channels	4 Channels
Network Interface	1*100M	1*100M	1*100M Wi-Fi, 11n, 300M	1*100M	1*100M
Video Compression	H.265+/H.264+/H.265/H.264				
Decoding Capability	4-ch @ 4MP, 8-ch @ 2MP	4-ch @ 4MP, 8-ch @ 2MP	4-ch @ 4MP, 8-ch @ 2MP	4-ch @ 4MP, 8-ch @ 2MP	4-ch @ 4MP
Recorded Resolution	Up to 4K (8MP)	Up to 4K (8MP)	Up to 4K (8MP)	Up to 4K (8MP)	Up to 4K (8MP)
Video Interface	HDMI/VGA Simultaneous Output				
Hard Drive	2 SATA Interface (Max 10TB for each*)	1 SATA Interface (Max 10TB for each*)	1 SATA Interface (Max 10TB for each*)	1 SATA Interface (Max 10TB for each*)	1 SATA Interface (Max 10TB for each*)
Power Supply	DC 12 V, 3.3 A	DC 12 V, 1.5 A	DC 12 V, 1.5 A	DC 12 V, 1.5 A	DC 12 V, 1.5 A

Product Type		NVR Kit*			
Kit Image		×12	×6	×4	×4
Kit Model		VIGI NK16MP-T12425-4T	VIGI NK8MP-T6425-2T	VIGI NK8P-B434I	VIGI NK4P-T4425-2T
Kit Contents		1* VIGI NVR2016H-16MP + 12* VIGI C445(2.8mm) + 1* 4TB HDD Preinstalled	1* VIGI NVR1008H-8MP + 6* VIGI C445(2.8mm) + 1* 2TB HDD Preinstalled	1* VIGI NVR1008H-8P + 4* VIGI C330I(4mm)	1* VIGI NVR1004H-4P + 4* VIGI C445(2.8mm) + 1* 2TB HDD Preinstalled
NVR Spec	Network Video Input	16 Channels	8 Channels	8 Channels	4 Channels
	Network Video Access Bandwidth	80 Mbps	80 Mbps	80 Mbps	80 Mbps
	PoE Interface	16*10/100 Mbps, Max 140W, 802.3af/at	8*10/100 Mbps, Max 113W, 802.3af/at	8*10/100 Mbps, Max 53W, 802.3af/at	4*10/100 Mbps, Max 53W, 802.3af/at
	Network Interface	1*1000Mbps	1*100Mbps	1*100Mbps	1*100Mbps
	Decoding Capability	4-ch @ 4MP, 8-ch @ 2MP	4-ch @ 4MP, 8-ch @ 2MP	4-ch @ 4MP, 8-ch @ 2MP	4-ch @ 4MP
	Recorded Resolution	Up to 4K (8MP)			
	Hard Drive	2 SATA interfaces (Max 10TB for each)	1 SATA interface (Max 10TB for each)	1 SATA interface (Max 10TB for each)	1 SATA interface (Max 10TB for each)
Camera Spec	Case Type	Turret	Turret	Bullet	Turret
	Pixels	4MP, Full-Color	4MP, Full-Color	3MP, IR	4MP, Full-Color
	People & Vehicle Analytics	●	●	-	●
	Human & Vehicle Classification	●	●	●	●
	Smart Detection**	●	●	●	●
	Protection	IP67, Metal	IP67, Metal	IP67	IP67, Metal

*The table only includes a few models of NVR Kits. For more options, please contact our local sales team.
**Smart Detection refers to multiple AI detections and may vary based on product models and versions. AI detections include Scene Change Detection, Loitering Detection, Object Abandoned Detection, Object Removal Detection, Intrusion Detection, Line-Crossing Detection, Region Exiting Detection, Region Entering Detection, Vehicle Detection, and Human Detection.

Network Video Decoders

With advanced decoding capabilities, VIGI Network Video Decoders deliver smooth and seamless video playback, ensuring you never miss a moment. Equipped with HDMI and VGA outputs, they support multiple display options and resolutions for flexible viewing. Intuitive user interfaces and easy-to-use controls make it simple to navigate and access video feeds. Whether used as a standalone device or as part of a larger surveillance system, VIGI Network Video Decoders provide reliable performance and exceptional video decoding for a seamless surveillance experience.

Highlights

The VIGI network video decoder provides up to 8K signal decoding, suitable for large-scale monitoring solutions. Powerful decoding ability, customized splicing, and system management simplify maintenance.

Network Camera   VMS Workstation   NVR

Video Wall   Network Video Decoder
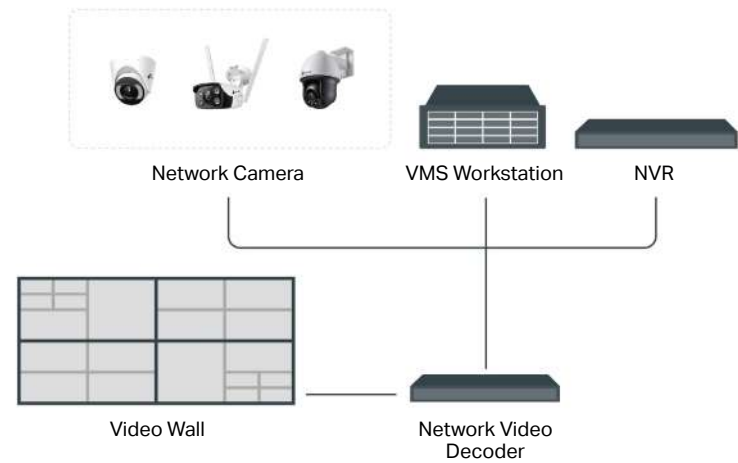
Multiple Protocols
- TP-Link/ONVIF

Efficient Decoding
- H.265+/H.264+/H.265/H.264
- Up to 24× 4K cameras

Flexible Splicing
- Up to 12 HDMI
- 4K Output (3840×2160@30Hz)

Centralized Management
- Compatible with VIGI Video Management System

Specifications

Product Image		
Product Model	VIGI NVD6004*	VIGI NVD6012*
Output	HDMI × 4, VGA × 4	HDMI × 12, VGA × 12
Output Resolution	4K: 3840 × 2160@30 Hz (HDMI)	4K: 3840 × 2160@30 Hz (HDMI)
Decoding Resolution	64-ch @1080P cameras simultaneously	192-ch @1080P cameras simultaneously
Split Screen	A single screen supports a maximum of 32 split screens, and 4 × 32 split screens can be displayed across four screens	A single screen supports a maximum of 36 split screens, and 12 × 36 split screens can be displayed across four screens
Video Compression	H.265+/H.264+/H.265/H.264	H.265+/H.264+/H.265/H.264
Network Interface	RJ45 interface × 1, 10/100/1000 Mbps adaptive	RJ45 interface × 1, 10/100/1000 Mbps adaptive

Solar Panel Systems

The VIGI solar panel system offers a dependable and eco-friendly power solution, guaranteeing uninterrupted operation of VIGI cameras and related equipment. Its modular design allows for versatile deployment options, while the utilization of high-quality materials ensures reliability even in outdoor and rugged environments. With remote management capabilities, the solar panel system facilitates effortless monitoring and maintenance. These make our solar panel system particularly ideal for areas with challenging network and power infrastructure, eliminating the need for extensive wiring and reducing investment costs.

Highlights

Customized Assembly

Customize your solar panel system easily with our modular hardware design. Multiple combinations of batteries and panels as well as various types of camera products are available for the VIGI integrated bracket.

1 Flexibly Expand Solar Panels

2 Freely Add or Remove Batteries

3 VIGI Cameras and Network Devices in Various Combinations
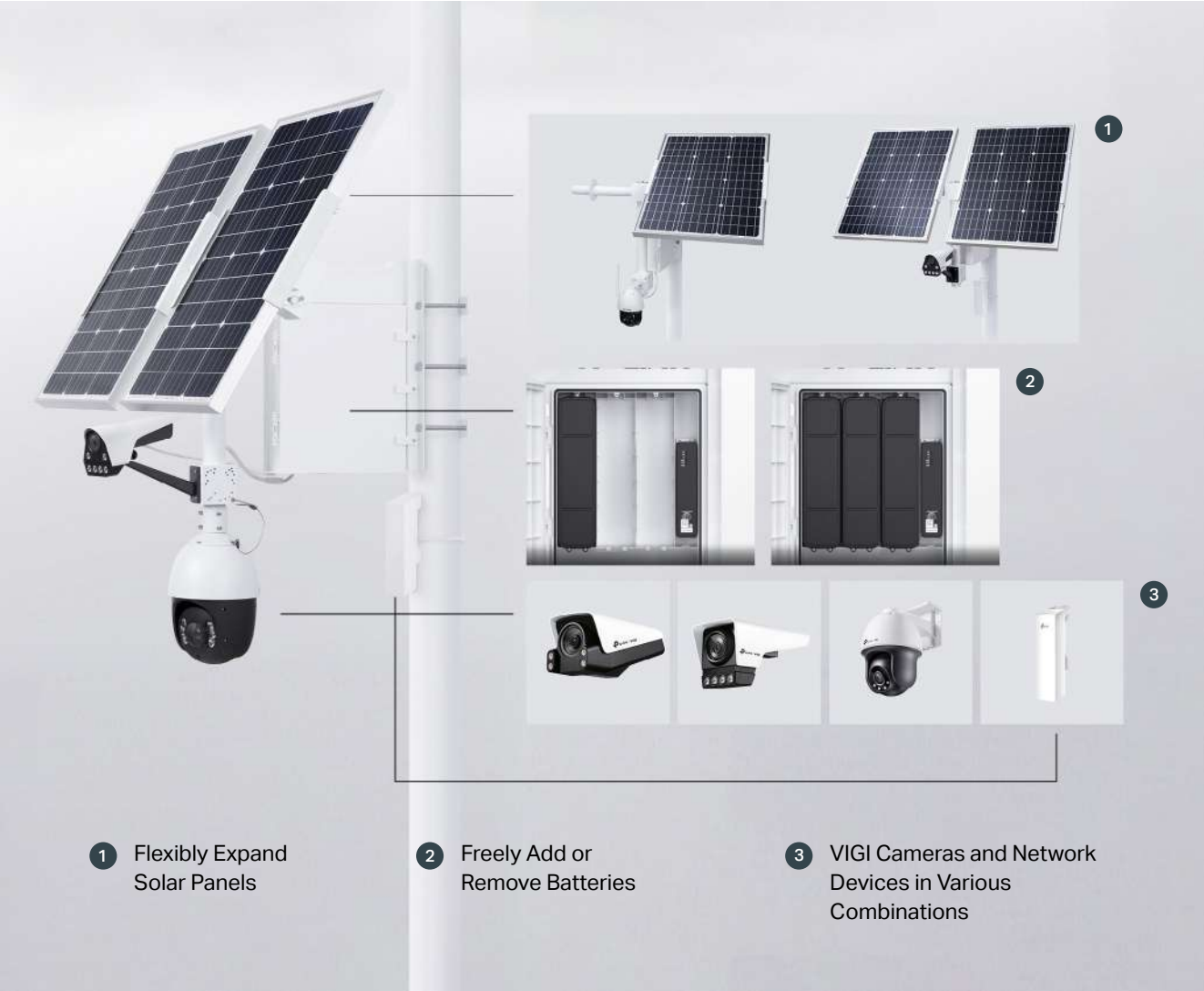
High-Efficiency Solar Panel

Improves the conversion efficiency of light with a Grade-A solar panel (output power up to 60 or 90 W/Pc), ensuring a long lifespan of 25+ years.

Grade **A** Solar Panel

25+ Year Life

Durable Hardware Design

Protects the system from long-term use even in severe weather phenomena such as hurricanes.

IP66 Waterproof
-30℃ **-60**℃ Working Temperature

Simple Installation

Quickly install the bracket in just several minutes and build up your solar panel system.

1   **2**   **3**

Remote Monitoring

Through the VIGI App, you can view the battery's current power, current generating power, and current load power at any time, anywhere. It also provides daily and monthly information on the production and use of battery power. You will find it simpler to maintain barriers.
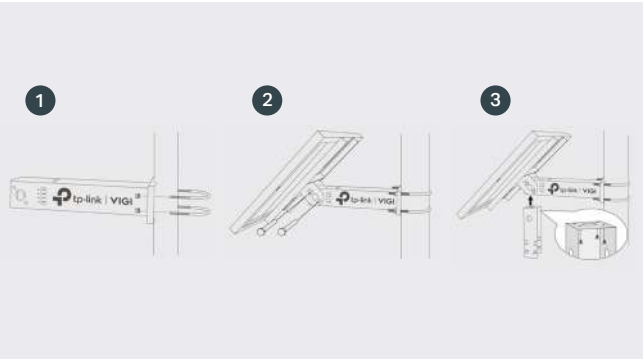
Adjustable Angles for Wide Applicability

Choose a working angle flexibly to best match your situation and make use of efficiency.

5°/15°/25°/35°/45°/55° Adjustable Angles

Specifications

Product Image				
Product Model	VIGI SP18090*	VIGI SP9030	VIGI SP6030	VIGI SP6020
Solar Panel Power	1/2 * 60W/90W Customized	90W	60W	60W
Battery Capacity	1/2/3 * 20.8Ah@10.8V Customized, Ternary Lithium	31.2Ah@10.8V Ternary Lithium	31.2Ah@10.8V Ternary Lithium	20.8Ah@10.8V Ternary Lithium
Operating Temperature	Charging: -30°C~45°C(With intelligent auxiliary heat) Discharging: -30°C~60°C(With intelligent auxiliary heat)			
Panel Adjust Angle	5°/15°/25°/35°/45°/55°			
Software Feature	Load Control, Battery Overtemperature Protection, Battery Level Display, Generation Power Display, Load Power Display, Generation Power and Load Power Statistics, Time Zone Selection, Region Selection, Daylight Saving, Firmware Remote Update, Remote Rboot			
Output	Output 1&2: 9~12.6V/2A, Output 3: 12V/2A			
Network Interface	RJ45 interface × 1, 10/100 Mbps adaptive	RJ45 interface × 1, 10/100 Mbps adaptive	RJ45 interface × 1, 10/100 Mbps adaptive	RJ45 interface × 1, 10/100 Mbps adaptive
Protection	IP66	IP66	IP66	IP66

Scan for more details about VIGI Solar Panels

*This product may be in development. Actual products may vary from displayed images and features.

Other Related Recommended Products

Switches | Access Points | Outdoor Bridges | Accessories

Product Type	PoE Switches					
Product Image						
Model	DS1018GMP	DS110GMP	DS108GP	DS105GP	DS111P	DS106P
PoE Ports	16× GE PoE+	8× GE PoE+	8× GE PoE+	4× GE PoE+	8× 10/100 Mbps PoE+	4× 10/100 Mbps PoE+
Non-PoE Ports	2× Gigabit Combo (SFP/RJ45)	1× Gigabit RJ45, 2× Gigabit Combo (SFP/RJ45)	-	1× GE	2× GE, 1× SFP	2× 10/100 Mbps
PoE Standards	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at
PoE Budget	250 W	123 W	65 W	65 W	65 W	67 W
Priority Mode	Ports 1–4	Ports 1–2	-	-	-	Ports 1–2
Extend Mode	Ports 1–4	Ports 1–4	Ports 1–2	Ports 1–2	Ports 1-4/1-8	Ports 1–4
PoE Auto Recovery	Ports 1-16	Ports 1-8	Ports 1–8	Ports 1–4	Ports 1-8	Ports 1–4

Product Type	Access Points				
Product Image					
Model	EAP680	EAP683 UR	EAP613	EAP610	EAP245
Wireless Standards	Wi-Fi 6 (11AX)	Wi-Fi 6 (11AX)	Wi-Fi 6 (11AX)	Wi-Fi 6 (11AX)	Wi-Fi 5 (11AC)
Signal Rate	• 5 GHz: Up to 4804 Mbps • 2.4 GHz: Up to 1148 Mbps	• 5 GHz: Up to 4804 Mbps • 2.4 GHz: Up to 1148 Mbps	• 5 GHz: Up to 1201 Mbps • 2.4 GHz: Up to 574 Mbps	• 5 GHz: Up to 1201 Mbps • 2.4 GHz: Up to 574 Mbps	• 5 GHz: Up to 1300 Mbps • 2.4 GHz: Up to 450 Mbps
Concurrent Clients**	512**	512**	250+**	256**	220+**
Ethernet Ports	1× 2.5 Gigabit PoE+ Port	1× 2.5 Gigabit PoE+ Port	1× Gigabit Port	1× Gigabit Port	2× Gigabit Ports
Power Supply	802.3bt PoE / 12V DC	802.3bt PoE / 12V DC	802.3at PoE / 48V Passive PoE / 12V DC	802.3at PoE / 48V Passive PoE / 12V DC	802.3af PoE / 24V Passive PoE (v3)

Product Type	Outdoor Bridges		
Product Image			
Model	EAP215-Bridge KIT	EAP211-Bridge KIT	EAP115-Bridge KIT
Frequency	5 GHz	5 GHz	5 GHz
Max Wireless Speed*	867 Mbps	867 Mbps	300 Mbps
Max Transmission Distance*	5 km+	1 km+	5 km+
Weatherproof Enclosure	IP65	IP65	IP65
Ethernet Ports	3× Gigabit	3× Gigabit	3× 10/100 Mbps
Power Supply Method	Passive PoE and DC	Passive PoE and DC	Passive PoE and DC

Product Type	Accessories	
Product Image		
Model	VJB-300	VJB-240
Features	• Compatible with all VIGI series cameras • Waterproof design • Metal case	• Compatible with VIGI Bullet & Turret cameras • Waterproof design • Metal case

Scan for details about switches

Scan for more details about access points

Scan for more details about accessories

* The data is based on TP-Link laboratory.
**The actual capacity depends on the wireless environment and client traffic and is generally less than the maximum number of client connections.

Software Service

VIGI Software Service encompasses diverse platforms, including mobile, PC clients, and GUI interfaces. Through centralized control, our service empowers you to efficiently oversee numerous devices and users across multiple sites. Real-time monitoring capabilities guarantee uninterrupted surveillance, while advanced video analytics provide in-depth insights and analysis. Our Software Service presents a versatile solution that optimizes control, heightens security, and fosters efficiency, suitable for a wide range of scenarios.
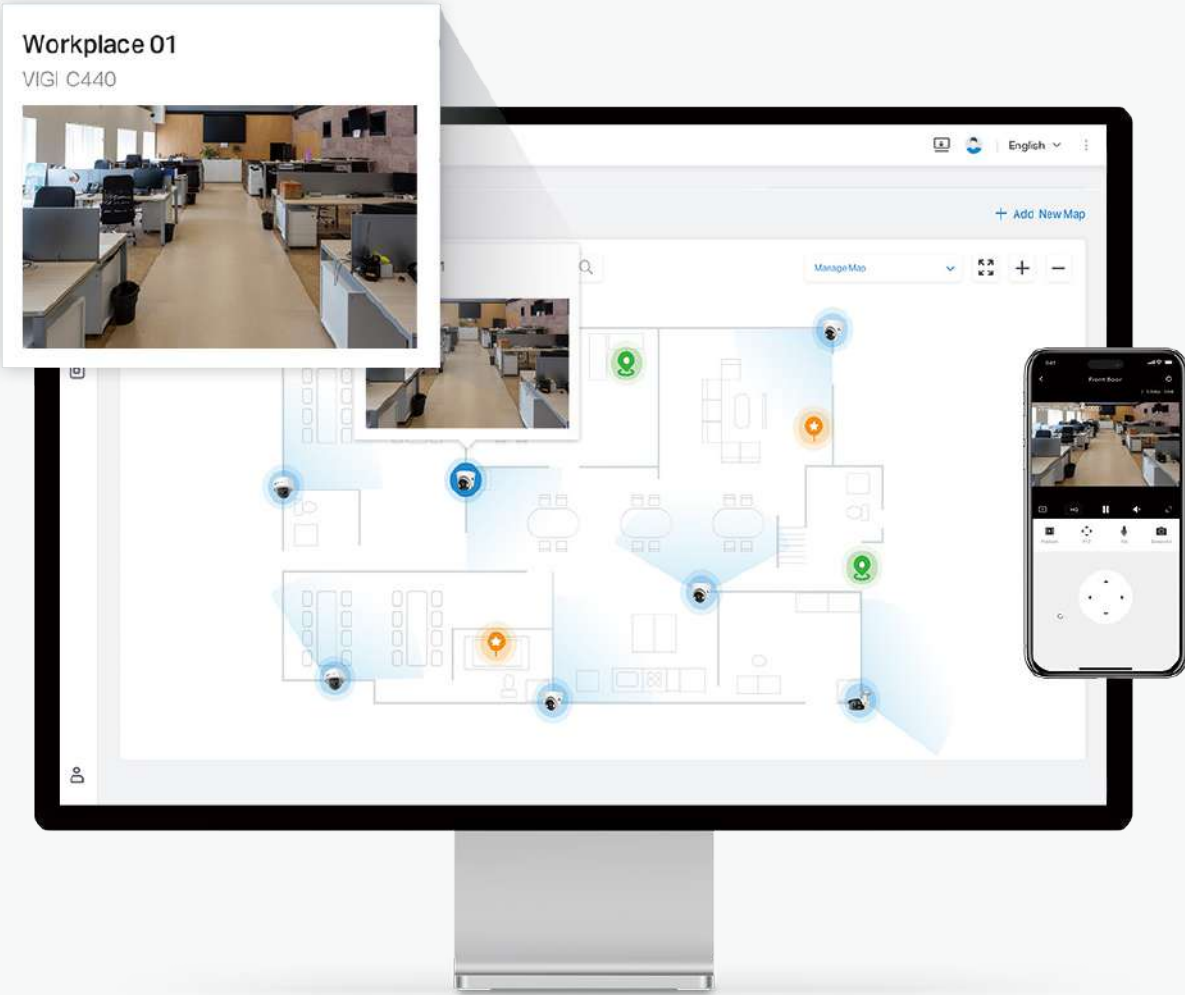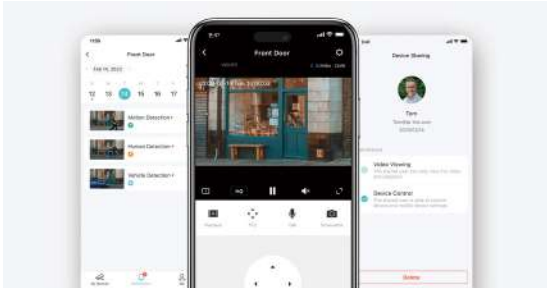
Overview

VIGI has developed various management platforms to meet your specific monitoring requirements for various scenarios.
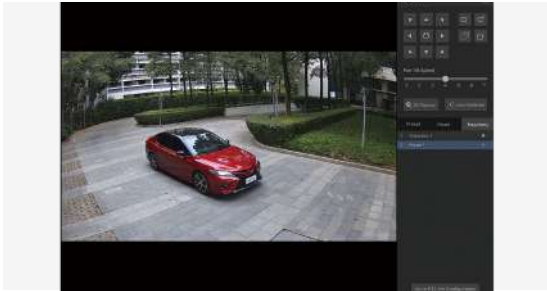
VIGI App

With the VIGI app, you can connect to a VIGI IPC and NVR from your iOS or Android mobile devices to remotely watch live views, play back recordings, trigger outputs, take snapshots, and more.


VIGI Security Manager

The VIGI Security Manager is a powerful PC client that allows you to manage and config local devices. Simply log in to your TP-Link ID to control your devices remotely.

VIGI NVR GUI

VIGI NVRs provide local HDMI and VGA interfaces for local display output. You can also connect a mouse and keyboard to an NVR for local management.

VIGI NVR Web

VIGI NVRs support web access, so you can control the NVR and IPC channels from a web browser by entering the IP address of your NVR.

VIGI IPC Web

With VIGI IPC web access, you can config the IPC parameters from a web browser by entering the device's IP address.
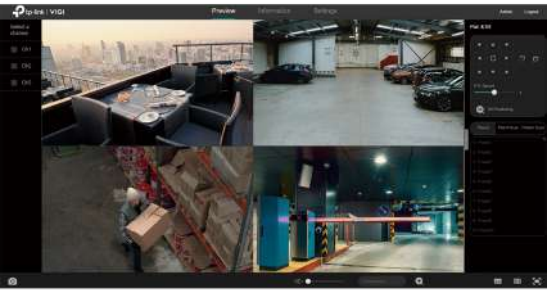
VIGI Config Tool

VIGI Config Tool helps you config your system, including locate VIGI devices on LAN, activate device, modify IP, reset to factory default, upgrade, time sync and other device configuration.

VIGI VMS

VIGI VMS is a software system built for centralized management of large-scale surveillance projects. It supports two forms: the locally deployed version and the cloud-based version.
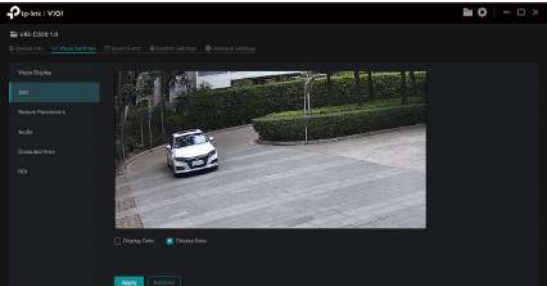
Open API

VIGI provides Open API for third-party integration to get live stream, video playback, event list from VIGI IPC and NVR.
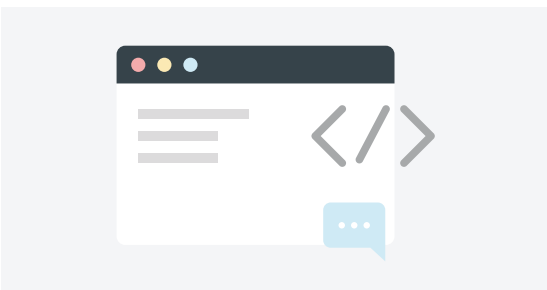

Omada Central

Brief

The Omada Central combines network and surveillance management for streamlined operations and enhanced efficiency. It offers real-time monitoring, alert notifications, rapid issue identification, and multi-user role assignment.
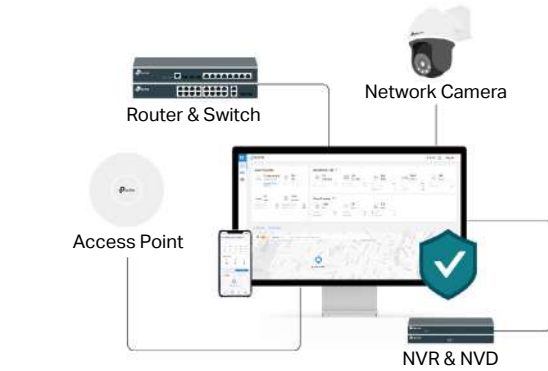
Highlights

Centralized Management

Experience the convenience of managing your network, surveillance devices, and users across sites on a single interface. The Omada Central greatly eliminates complexity and saves your time.
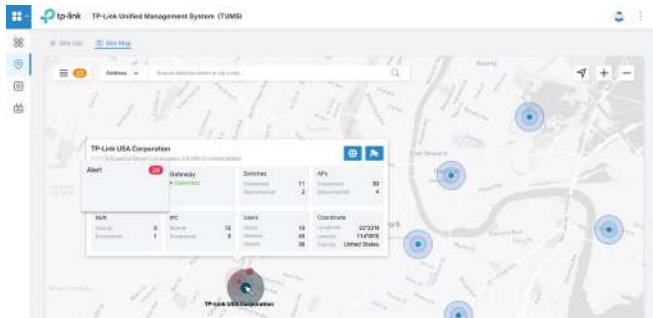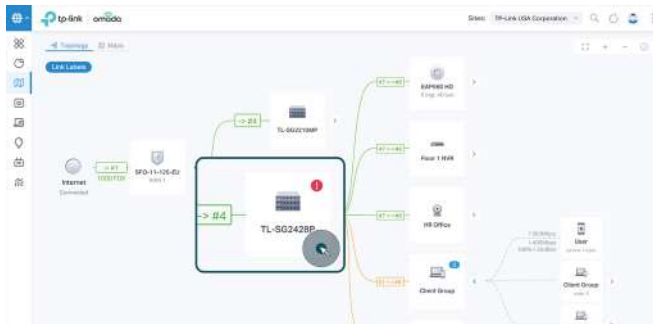

Rapid Issue Identification

Receive instant alerts and quickly locate problems through dashboard, site map, or topology, ensuring uninterrupted network connectivity and surveillance coverage.
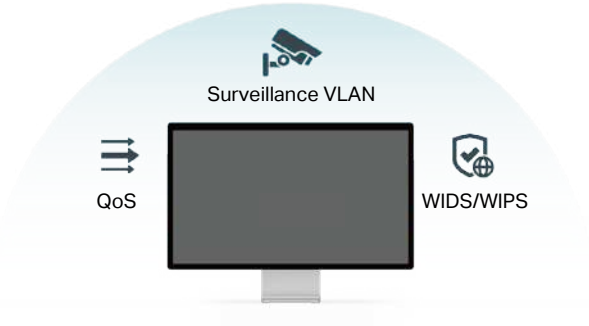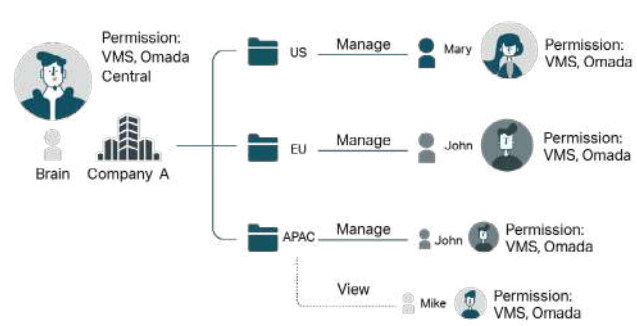

Dashboard

Topology

Value-Added Technologies for Surveillance

Powerful technologies like QoS, Surveillance VLAN, and WIDS/WIPS guarantee stable, smooth, and secure video transmission.

Multi-User Privilege Assignment

With just a few clicks, assign specific access levels to individuals or groups, enhancing overall security.

VIGI VMS

Brief

VIGI VMS is a software platform designed to effectively manage surveillance devices and users from multiple sites in a unified and intuitive manner. It provides features, including real-time live viewing, video recording, video footage search and playback, event and alarm receiving, and more.

VIGI VMS

NVD　　　　　Network Camera　　　　　NVR

Centralized Management
Manage the security of multiple sites with a single interface from anywhere.

Highly Scalable
Easily extend your surveillance network as your business grows.

Easy to Deploy and Maintain
Add and configure security devices in batch, discover faults automatically and even resolve faults remotely.

Proactively Respond to Threats
Real-time monitoring, event and alarm management, advanced video analytics and remote access ensures quick response and intervention.

Highlights

Respond Faster to Incidents

- **Real-time Live Views:** Ensure quick response to emergencies.
- **Dashboard:** Displays overall system status.
- **Dynamic Map:** Easily locate events and follow the latest situation.
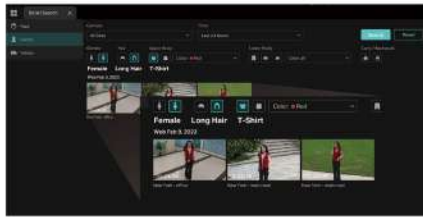- **Event Center:** Centrally manage events and enhance response capabilities.
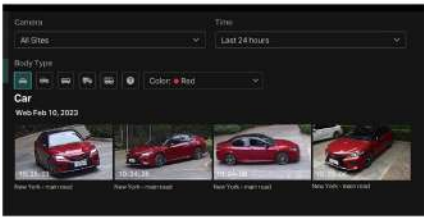

Smart Search

Quickly search for people or vehicles of interest using specific attributes like clothing/vehicle color and vehicle type, even by uploading a face, increasing search efficiency.
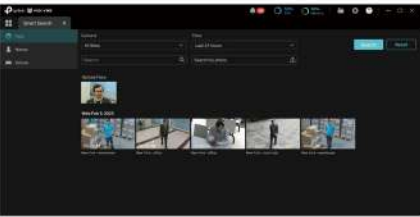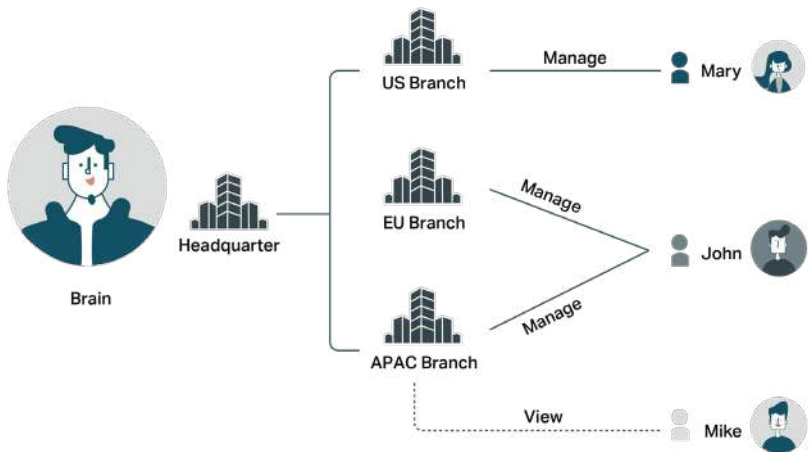

Search by Face*　　　　Search by People Attributes　　　　Search by Vehicle Attributes

Multi-User Privilege Management

Allows you to assign specific access rights and permissions to different user roles, preventing unauthorized access and minimizing the risk of data misuse or tampering.

Reliable & Flexible Cloud Storage

Enjoy fast and durable storage of videos on the cloud. Check feedback at anytime and anywhere with secure and reliable access.
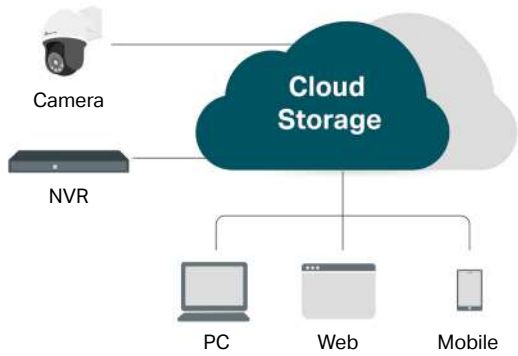
*This feature may be in development. Actual feature may vary from displayed image and feature.

VIGI App

Easy Setup

Security begins with just a few steps. Add devices via multiple methods and set them up with a simple and quick guide.

Remote Monitoring

Keep an eye on things even when you are on the move. Easily adjust live view options to control every corner and see more details.
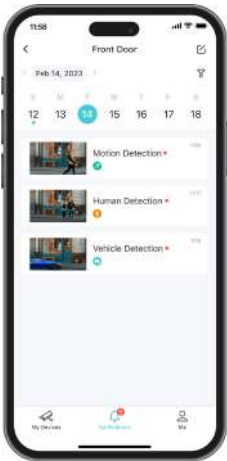
Two-way Talk

Carry two-way conversations with visitors and alert intruders without having to leave your chair.

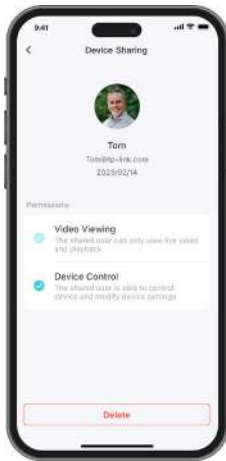## Instant Notification

Receive real-time alerts to stay up-to-date with what's happening.

Efficient Lookup

Quickly locate specific events with the timeline and smart filters.
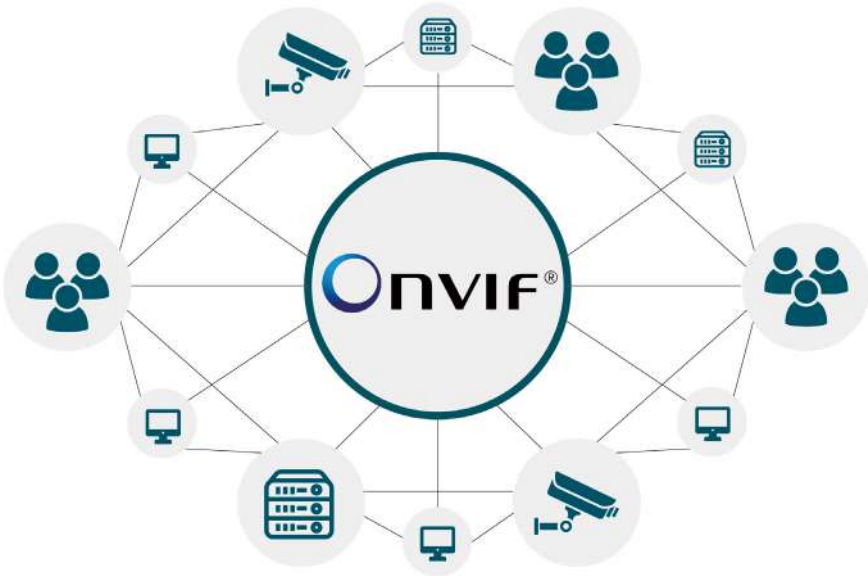
Device Sharing

Easily share devices with up to five users and assign different permissions.


Open Capability

ONVIF for Third-Party Compatibility

The VIGI system can easily cooperate with third parties to build and extend your surveillance network with ONVIF.

Open API

Open API allows different software applications and devices to work seamlessly together via open interfaces. This promotes customization and innovation, resulting in better security solutions and improved efficiency.
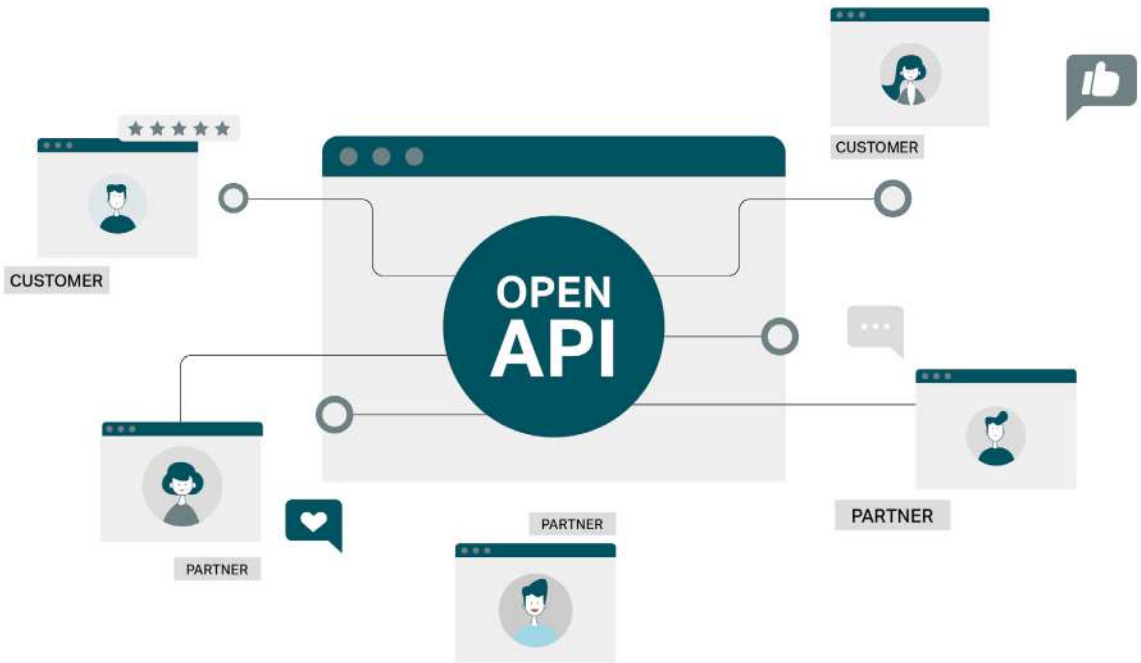
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