

2025 H1 EN

PRODUCT BROCHURE

VIVOTEK IP Surveillance Solutions



VSS NEDERLAND
VIDEO SYSTEMS

www.vssnederland.nl



VIVOTEK
A Delta Group Company

Image source: Archimedes Mandap

Making Society's Most Trusted Intelligent Security Systems

25 Years of Innovation in Security and Focus on AI

Founded in Taiwan in 2000, VIVOTEK delivers intelligent IP surveillance solutions for a safer society, specializing in advanced imaging, audio technologies, and AI-powered analytics. Since joining the Delta Group in 2017, we've become the security core of Delta's Building Automation Business. With robust R&D capabilities and a global network, we continue to lead innovations in security technology and AI applications.

Smarter, Safer Solutions

Our AI-powered video analytics, combined with cloud and advanced search technologies, deliver real-time insights that empower security operators to boost safety and efficiency. With seamless integration, we safeguard sensitive information and offer comprehensive solutions to protect people, assets, and data across diverse industries.

Global Reach and Partnership

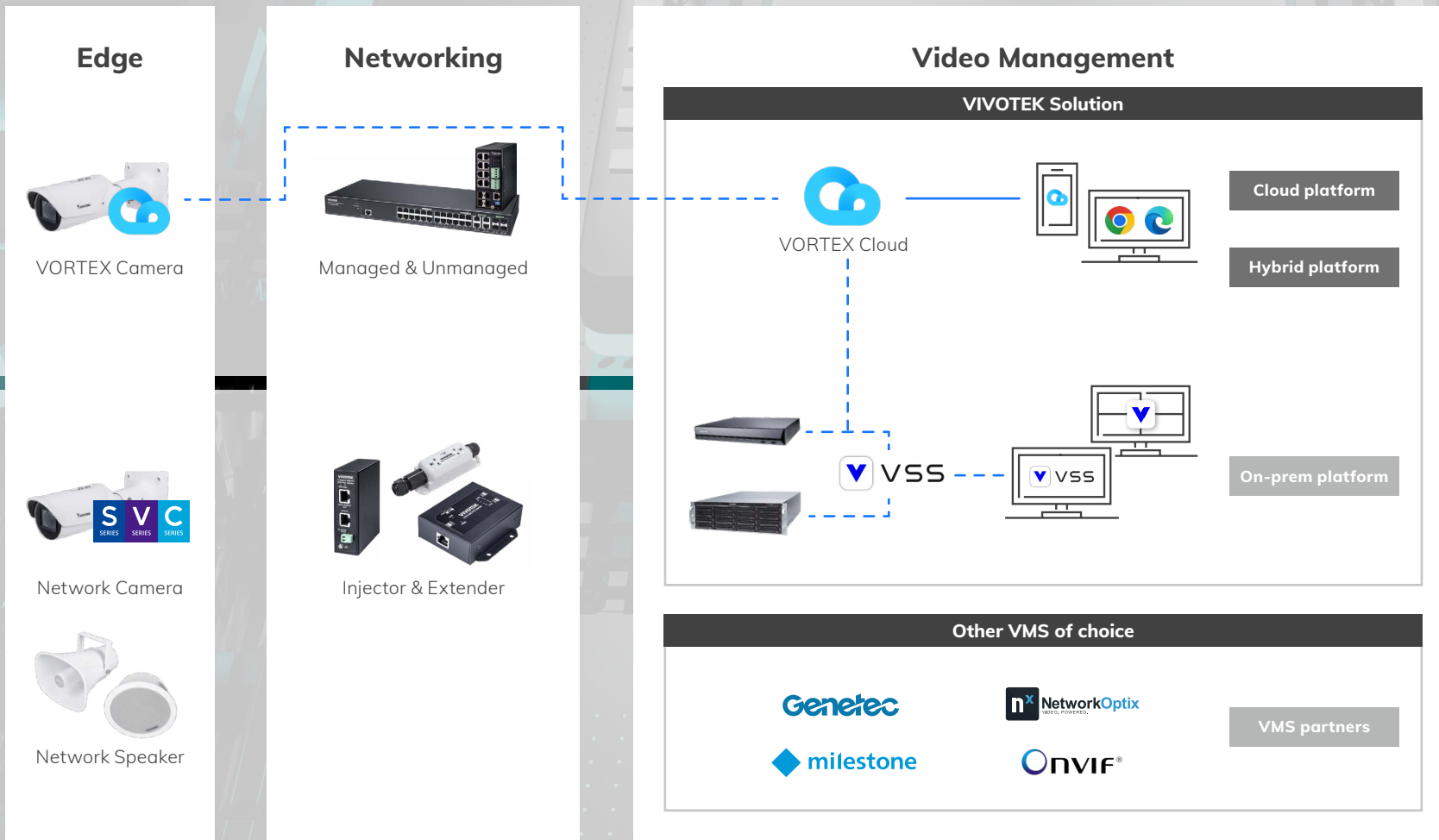
Following our IPO in 2006 and listing on the TWSE in 2011 (TAIEX: 3454), VIVOTEK has expanded globally, establishing offices in the U.S., the Netherlands, India, Mexico, and Japan. Our network of over 200 distributors across more than 120 countries enables us to deliver innovative security solutions worldwide.

Commitment to Quality and Sustainability: 2030 RE100

As a global leader in security solutions, we are dedicated to delivering reliable and intelligent security for society. Guided by our brand's focus on "Concern for Others' Cares," we prioritize environmental, social, and governance (ESG) issues, setting ambitious goals and taking concrete actions.

We are committed to sustainability, utilizing over 50% renewable energy and targeting RE100 by 2030. We maintain ISO 14001, ISO 9001, TL9000, RoHS, and ISO 27001 certifications to ensure product quality and comprehensive information security.

VIVOTEK Solution Architecture



VIVOTEK Solution Highlight

Make Tomorrow Easier with AI and Cloud

1. See more of video

- Full range of AI cameras.
- Cloud Transition through VORTEX Connect

2. Know more of video

- Edge analytics for situational awareness.
- Edge-centric object analytics.

3. Do more with video

- Deep Search – find evidence in seconds.
- Automate more devices for protection.

4. Cybersecurity

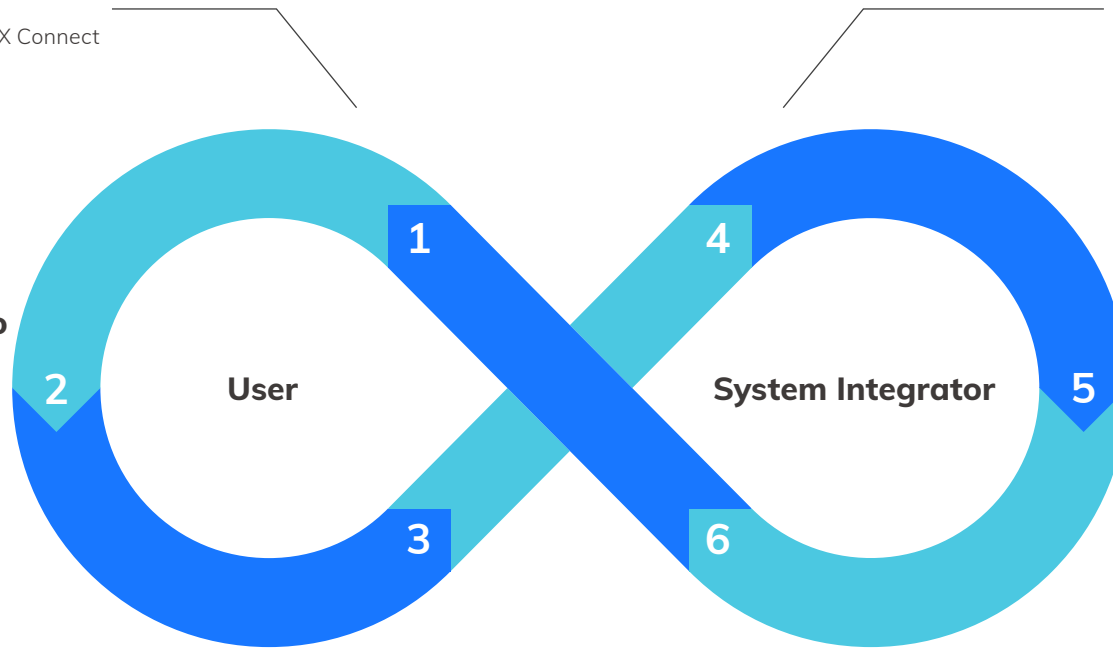
- NDAA & TAA compliant.
- AWS Qualified Software.
- ISO27001
- Cybersecurity features for edge device, in-transit data, and cloud.

5. Flexible platform

- Full cloud, hybrid cloud, and on-prem option.
- Integration and application plug-in for major VMS.
- SDK and API for development support.

6. Easy installation

- Design and batch deployment tools.
- Easy install camera design.



01 See More of Video

Technology solutions focused on smarter and easier ways to see video

Full range of AI cameras

Edge AI integrates artificial intelligence into cameras for real-time event analysis. Eliminating the need for a dedicated server to handle video analytics, streamlines system setup and reduces overall costs. Experience increased flexibility in analytic applications, regardless of your system's deployment method.

Form Factor for All Scenarios

VIVOTEK continues advancing edge AI network cameras across various form factors and segments, delivering tailored solutions to meet diverse security needs.



RealSight Engine – AI Powered Image Clarity

RealSight Engine with AI-powered capability offers unparalleled visibility, preserves true colors, and remains unaffected by environmental factors, even in any lighting condition, effortlessly maintaining crucial human details. This ready-to-use solution ensures you never miss a detail, providing insightful images for every scene without the need for complex setup.

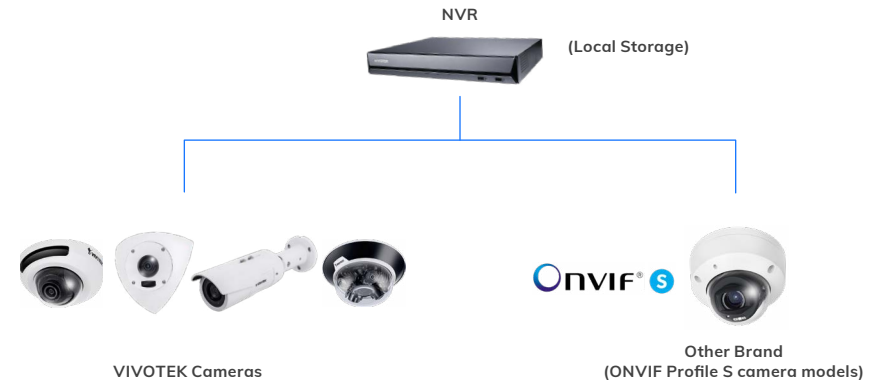


Camera with RealSight Engine in nighttime



Camera with RealSight Engine in low light movement

VORTEX Connect



Bridge Any Cameras to Cloud

Seamlessly integrate ONVIF Profile S cameras with VORTEX using V-series Embedded NVR. Elevate your existing cameras with centralized management and remote access.

Cloud Security Protection

Support for Single Sign-On (SSO) and Multi-Factor Authentication (MFA) simplifies access, eliminates multiple credentials, and enhances the security of sensitive information and networks.

Unlimited Cloud Archive for Video Footage

Effortlessly archive footage from multiple cameras in a single platform.

02 Know More of Video

Technology solutions focused on object-of-interest

Accurate object analytics with attribute extraction

Object-of-interest

VIVOTEK AI cameras runs powerful algorithm that accurately detects and classifies people and vehicles while ignoring traditional motion movements.

Appearance Attribute

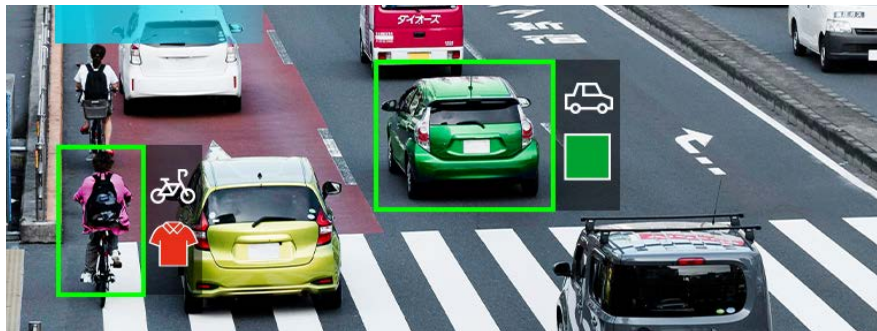
Real-time analytics extract attributes like color and vehicle type, enhancing video search accuracy and offering valuable insights for business intelligence integration.

Facial Attribute

Facial attribute extraction enables advanced video search with precise facial matches, elevating accuracy and efficiency in identifying individuals within surveillance footage.

License Plate Number

Effortlessly track and identify plates without the need for third-party integration.



Improve situational awareness with Smart VCA

Powered by cutting-edge deep learning technology, our advanced algorithm consistently elevates detection accuracy by significantly reducing false alarms. With the unparalleled capabilities of deep learning, surveillance systems can distinguish real threats from non-threatening events, resulting in security and operational efficiency.



Smart Motion Detection



Line Crossing Detection



Loitering Detection



Intrusion Detection



Face Detection



Crowd Detection



Missing Object Detection



Unattended Object Detection



Restricted Zone Detection



Running Detection



Parking Violation Detection

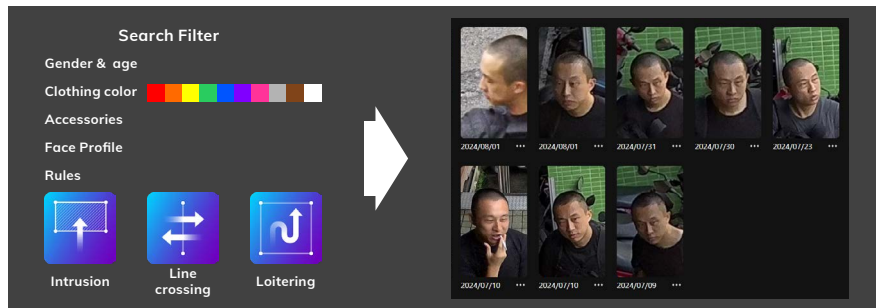
03 Do More with Video

Technology solutions focused on smarter and easier ways to see video

Deep Search

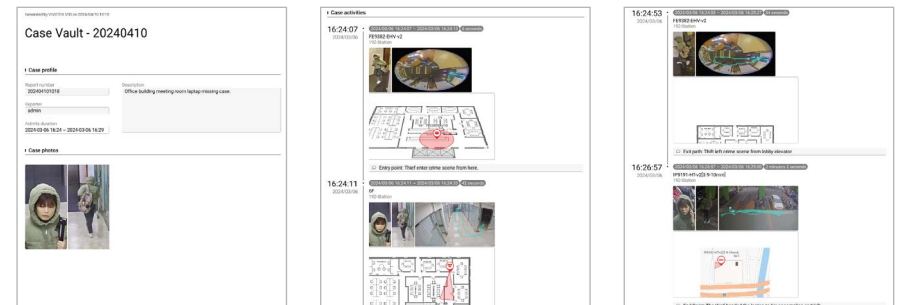
Find Footage in Seconds

Screening through footage is a mental-fatigue, eye-soring, daunting task. VIVOTEK Deep Search improves your operation efficiency with automated investigation.



Export Evidence with Ease

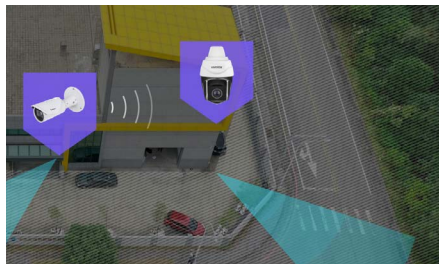
Case Vault organizes the clips and export detailed report straight from your search results. This feature makes case management easier, simplifying the process of collecting and sharing key information with stakeholders.



Trigger PTZ Tracking

Inter-camera communication to capture more details

- Spotter camera detects activity at a pre-set location.
- Alerts PTZ cameras to zoom onto pre-set location.
- PTZ cameras capture clearer details.



Trigger Audio Broadcast

Automated from an event or broadcast from microphone

- Avoid confrontation or danger of physical contact.
- Warn remotely and immediately on-the-spot in large perimeter protection.

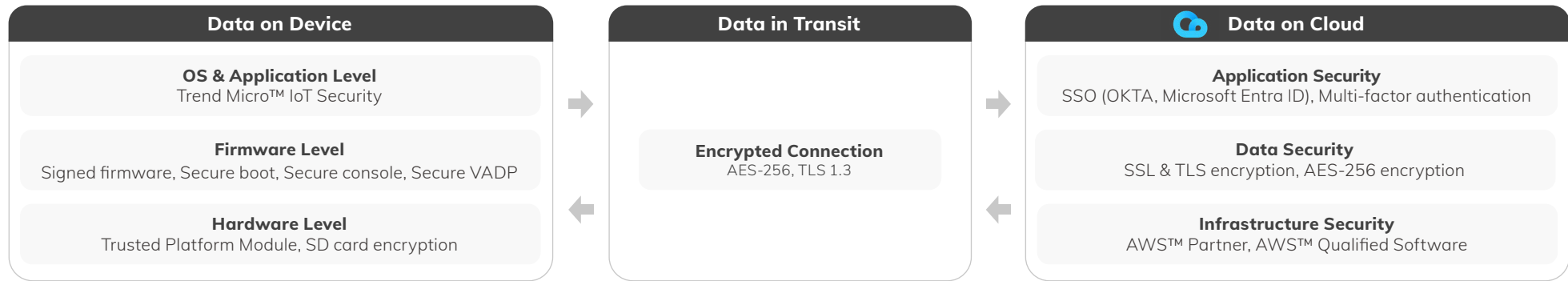


04 Cybersecurity

End-to-end practices to keep your data secure

NDAA TAA ISO27001 FIPS 140-2 level 2 Penetration Test

Our Corporate Practice



NDAA & TAA Compliant

We take pride in emphasizing that all our product research, development, and manufacturing processes take place in Taiwan. This not only underscores our dedication to quality but also assures our customers that every VIVOTEK product is crafted with precision and reliability.

ISO27001

By implementing a robust Information Security Management System (ISMS), we safeguard data confidentiality, integrity, and availability. This certification demonstrates our commitment to protecting sensitive information, managing risks, and maintaining the highest level of security and trust.

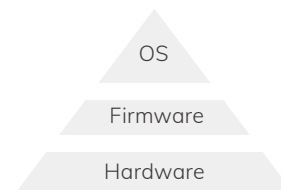
FIPS 140-2 level 2

Our products comply with FIPS 140-2 Level 2, ensuring strong encryption and security protocols. This certification mandates tamper-evident protections, role-based authentication, and rigorous cryptographic module testing, guaranteeing data integrity and confidentiality.

AWS™ Partner and AWS™ Qualified Software

Begin AWS™ Partner and AWS™ Qualified Software proves we have successfully completed Foundational Technical Review (also known as FTR). FTR identifies our cloud is built based on AWS Well-Architected best practices specific.

Product Cybersecurity Features



- Trend Micro™ IoT Security
- Signed firmware, Secure boot, Secure console, Secure VADP
- Trusted Platform Module, SD card encryption

05 Flexible Platform

Solution that meets different infrastructure challenges

Hybrid Cloud Platform – VORTEX

Direct-to-Cloud



Best match for AI-Cameras with VORTEX Platform



Bridge-to-Cloud



Support over 30,000 ONVIF Profile S Camera models simply lift to VORTEX

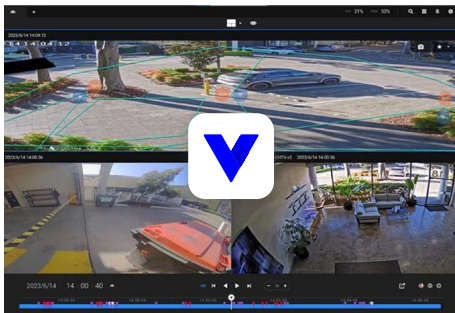
Direct-to-Cloud

- With cloud solutions, customers avoid complicated hardware costs while enjoying continuous feature upgrades through cloud extensions.
- Allowing customers to access cloud-based management systems via mobile, benefiting from over-the-air (OTA) updates and advanced AI features.

Bridge-to-Cloud

- For customers have already invested in a number of cameras, they don't want to waste that investment.
- Bridge to cloud model enables customers to bring their existing ONVIF cameras online without needing to replace them, facilitating remote management, troubleshooting, configuration, and technical support.

On-premise – VAST Security Station



VAST Security Station is a video management software featuring an intuitive and easy-to-use interface, helping customers quickly and efficiently set up projects. Its central management allows rapid expansion from single shop to multi-sites scale, and it seamlessly integrates with VIVOTEK's diverse network devices, including cameras, NVRs, PoE switches and IP audio speakers, meeting various surveillance application.

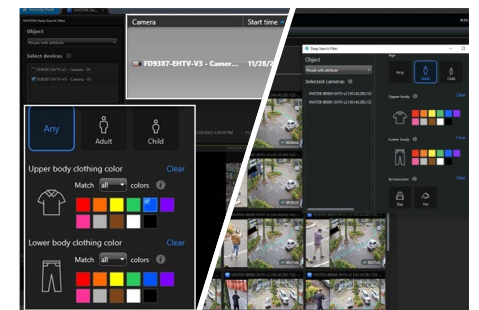
Leading VMS Integration

Milestone Xprotect

Easily enhance your Milestone XProtect with VIVOTEK's AI cameras for instant search evidence by attributes.

Genetec Security Center

Optimize your Genetec Security Center with VIVOTEK's AI cameras for quick evidence searching through Deep Search and export search report.



06 Easy Installation

Products and services designed for quick and mass deployment

Designed for Easy Installation

Modular Mechanical Design

VIVOTEK's brand new mechanical design has made the installation process easier than ever before. The new modular design greatly reduces installation times and costs, allowing installers to take on more projects.

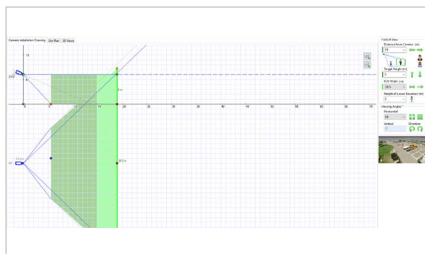


Wi-Fi Installation

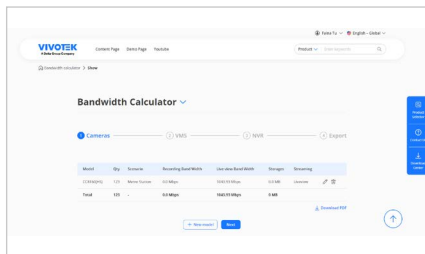


Design Tools

IPVS Design Tool



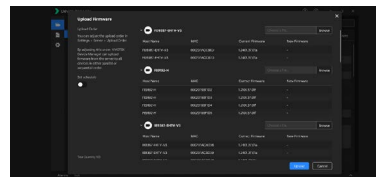
Bandwidth Design Tool



Device Manager

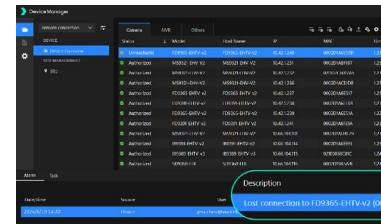
Batch Deployment

- Assign static IP address
- Batch parameter configuration
- Create templates
- Upload firmware






















Remote Maintenance

- Device status monitoring and alerts
- Gateway to one service portal



VIVOTEK Network Camera

Series	Competitive	Versatile	Specialized
	<p>Explore essential video and audio functions paired with basic video analytics. Fulfill key demands with reliable and stable performance.</p>	<p>Experience excellent image and powerful AI surveillance solutions with Versatile series camera. Packed with advanced, feature-rich options designed to adapt to diverse applications, it promises consistent performance and versatile functionality.</p>	<p>Special form factor camera tailored to meet unique needs. Simplify setup to perfectly match niche applications.</p>
<p>Bullet / Dome / Turret</p>	 <p>Entry-level Network Camera</p>  <p>AI Camera</p>	 <p>Modular AI Camera</p>  <p>AI Camera</p>	
<p>Panoramic</p>	 <p>Fisheye Panoramic</p>  <p>Compact Panoramic</p>	 <p>Fisheye Panoramic</p>  <p>Compact Panoramic</p>  <p>Multi-directional Panoramic</p>  <p>Multi-sensor Panoramic</p>	
<p>Pan-Tilt-Zoom</p>		 <p>AI PTZ</p>	
<p>Box</p>		 <p>Box Camera</p>	
<p>Application</p>		 <p>Facial Recognition</p>  <p>Counting</p>  <p>License Plate Recognition</p>  <p>Thermal</p>	 <p>License Plate Capture</p>  <p>Modular</p>

Network Cameras Naming Rule



Model Category	
CC	Compact Cube Camera
CD	Corner Camera
FD	Fixed Dome Camera
FE	Fisheye Camera
IB	Bullet Camera
IP	Box Camera
IT	Turret Dome Camera
IZ	Zoom Lens Camera
MA	Multiple Adjustable Views Camera
MD	Mobile Dome Camera
MS	Multiple Sensor Camera
SC	Smart Counter
SD	Speed Dome Camera
TB	Thermal Bullet Camera
TT	Thermal Turret Camera
VC	Video Core

A/V Type	
8	H.264 / MJPEG
9	H.265 / H.264 / MJPEG

VC Series - Amount of Channel	
1 - 9	1 - 9 Channel

IP Camera Type	
1	Indoor IP Camera
3	Outdoor IP Camera
5	Mobile Certified

Running Number	
-	1 - 99

IP Camera - Resolution	
1	≥ 10MP CMOS Sensor
2	≥ 20MP CMOS Sensor
3	≥ 30MP CMOS Sensor
4	≥ 40MP CMOS Sensor
5	≥ 50MP CMOS Sensor
6	≥ 2.0MP CMOS Sensor
7	≥ 3.0MP CMOS Sensor
8	≥ 5.0MP CMOS Sensor
9	≥ 8.0MP CMOS Sensor

Extension / Feature	
D	DC Power Input
E	Extended Temperature ≤ -40°C
H	High Dynamic Range (Wide Dynamic Range)
L	Lite
LPC	License Plate Capture
LPR	Embedded License Plate Recognition Software
M	Manual Focal
N	940nm IR LED
P	P-iris (Box Cameras)
T	Remote Focus i-CS (Box Cameras)
V	Outdoor Vandal Proof
W	White light

Digit Extension	
v	1 - 99
A	A-Z

Indoor Dome



FD9186



FD9182-H



FD9167-HT-V2



FD9187-HT-V3 (2.7-13.5 mm)

Type	C-series Entry-level Network Camera		V-series Modular AI Camera	
Camera Features				
Image Sensor	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	2880x1616 (5MP)	2560x1920 (5MP)	1920x1080 (2MP)	2560x1920 (5MP)
Focal Length	f = 2.8 mm	f = 2.8 mm	f = 2.7 ~ 13.5 mm	f = 2.7 ~ 13.5 mm
Field of View	111.0° (H) 59.0° (V) 133.0° (D)	103° (H) 76° (V) 134° (D)	110° ~ 33° (H) 55° ~ 18° (V) 126° ~ 37° (D)	100.1° ~ 29.9° (H) 71.8° ~ 22.4° (V) 135.2° ~ 37.4° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	30m	NA	50m	50m
Minimum Illumination	0.055 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.03 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W)	0.035 lux @ F1.4 (Color)(30IRE) 0.080 lux @ F1.4 (Color)(50IRE) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.8 (Color) <0.005 lux @ F1.8 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network				
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2880x1616	20 fps @ 2560x1920	30 fps @ 1920x1080 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)
Built-in Mic	√	√	-	√
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Smart VCA	√	-	√	√
Object Detection (People)	√	-	√	√
Object Detection (Vehicle)	√	-	√	√
Attribute Extraction	-	-	-	√
Object Detection (Re-Search)	-	-	-	√
General				
Power Consumption	5.5W	PoE: Max. 3.6W	Max. 9/6 W (IR on/off) DC 12V: Max. 9/6 W (IR on/off) AC 24V*: Max. 9/6 W (IR on/off) *Requires extension I/O module kit	12.95W/ 10.05W (IR on/off) DC 12V: Max. 14.4W/ 11.5W (IR on/off) AC 24V*: Max. 12W/ 9.1W (IR on/off) *Requires extension I/O module kit
Operating Temperature	-10 °C ~ 55°C	-10 °C ~ 50°C	-10 °C ~ 50°C	-10 °C ~ 50°C
Certifications				
IP66	-	-	-	-
IP67	-	-	-	-
IK10	-	√	-	-
IK10+	-	-	-	-
NEMA 4X	-	-	-	-

Indoor Dome



FD9187-HT-V3 (7-22 mm)



FD9189-H-V3



FD9199-H

Type	V-series Modular AI Camera	V-series AI Camera	
Camera Features			
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)	2560x1920 (5MP)	3840x2160 (8MP)
Focal Length	f = 7 ~ 22 mm	f = 2.8 mm	f = 4.2 mm
Field of View	39.3° ~ 15.5° (H) 28.8° ~ 11.6° (V) 50.8° ~ 19.4° (D)	103.4° (H) 75.3° (V) 135.2° (D)	110.7° (H) 59.1° (V) 131.0° (D)
WDR	WDR Pro	WDR Pro	WDR Pro
IR Distance	50m	30m	30m
Minimum Illumination	0.035 lux @ F1.7 (Color) <0.005 lux @ F1.7 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.015 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network			
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 2560x1920 (5MP)	30 fps @ 3840x2160 (8MP)
Built-in Mic	✓	✓	✓
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics			
Smart VCA	✓	✓	✓
Object Detection (People)	✓	✓	✓
Object Detection (Vehicle)	✓	✓	✓
Attribute Extraction	✓	✓	✓
Object Detection (Re-Search)	✓	✓	✓
General			
Power Consumption	12.95W/ 10.05W (IR on/off) DC 12V: Max. 14.4W/ 11.5W (IR on/off) AC 24V*: Max. 12W/ 9.1W (IR on/off) *Requires extension I/O module kit	Max. 12.4W/ 9.6W (IR on/off)	Max. 12.4W/ 9.6W (IR on/off)
Operating Temperature	-10 °C ~ 50°C	0 °C ~ 45°C	0 °C ~ 45°C
Certifications			
IP66	-	-	-
IP67	-	-	-
IK10	-	-	-
IK10+	-	-	-
NEMA 4X	-	-	-

Outdoor Dome



FD9366-HV(2.8mm)



FD9366-HV(3.6mm)



FD9368-HTV



FD9369



FD9380-HTV-V2

Type	C-series Entry-level Network Camera				
Camera Features					
Image Sensor	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/3.1" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2880x1616 (5MP)
Focal Length	f = 2.8 mm	f = 3.6 mm	f = 2.8 ~ 12mm	f = 2.8 mm	f = 2.7 ~ 13.5mm
Field of View	108° (H) 60° (V) 124° (D)	89° (H) 47° (V) 105° (D)	93° ~ 32° (H) 50° ~ 18° (V) 110° ~ 37° (D)	116° (H) 65° (V) 140° (D)	111.0° ~ 32.2° (H) 57.0° ~ 18.0° (V) 136.0° ~ 37.0°(D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Enhanced	WDR Pro
IR Distance	20m	20m	30m	30m	30m
Minimum Illumination	0.13 lux @ F1.8 (Color) < 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on	0.15 lux @ F2.0 (Color) < 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.055 lux @ F1.4 (Color) < 0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on	0.08 lux @ F2.0 (Color) < 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H264, MJPEG	H.265, H264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 2880x1616
Built-in Mic	√	√	√	√	√
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	-	-	-	-	√
Object Detection (People)	-	-	-	-	√
Object Detection (Vehicle)	-	-	-	-	√
Attribute Extraction	-	-	-	-	-
Object Detection (Re-Search)	-	-	-	-	-
General					
Power Consumption	Max. 5.5 W/3.3 W (IR on/off)	Max. 5.5 W/3.3 W (IR on/off)	Max. 12.95 W/9 W (IR on/off)	Max. 6W/4W (IR on/off) DC 12V: Max. 5.1W/3.4W (IR on/off)	8W
Operating Temperature	-25 °C ~ 60°C	-25 °C ~ 60°C	-30 °C ~ 60°C	-30 °C ~ 55°C	-30 °C ~ 60°C
Certifications					
IP66	√	√	√	√	√
IP67	-	-	-	-	-
IK10	√	√	√	√	√
IK10+	-	-	-	-	-
NEMA 4X	-	-	-	-	-

Outdoor Dome



FD9380-HV-V2



FD9383-HTV



FD9383-HV (2.8 mm)



FD9383-HV (3.6 mm)

Type	C-series AI Camera			
Camera Features				
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	2880x1616 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)
Focal Length	f = 2.8 mm	f = 2.8 ~ 12mm	f = 2.8 mm	f = 3.6 mm
Field of View	111.0° (H) 59.0° (V) 133.0° (D)	95.4° ~ 28.7° (H) 68.8° ~ 21.5° (V) 129.6° ~ 35.9°(D)	103.4° (H) 75.3° (V) 135.2° (D)	79.6° (H) 57.8° (V) 105.8° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	30m	30m	30m	30m
Minimum Illumination	0.055 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network				
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2880x1616	30 fps @ 2560x1920	30 fps @ 2560x1920	30 fps @ 2560x1920
Built-in Mic	√	√	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Smart VCA	√	√	√	√
Object Detection (People)	√	√	√	√
Object Detection (Vehicle)	√	√	√	√
Attribute Extraction	-	√	√	√
Object Detection (Re-Search)	-	√	√	√
General				
Power Consumption	6.5W	Max. 9.7 W/ 7.2 W (IR on/off)	Max. 8.5 W/ 6.0 W (IR on/off)	Max. 8.5 W/ 6.0 W (IR on/off)
Operating Temperature	-30 °C ~ 60°C	-30 °C ~ 55°C	-30 °C ~ 55°C	-30 °C ~ 55°C
Certifications				
IP66	√	√	√	√
IP67	-	-	-	-
IK10	√	√	√	√
IK10+	-	-	-	-
NEMA 4X	-	-	-	-

Outdoor Dome



Model Name

FD9365-EHTV-V2

FD9367-EHTV-V2

FD9387-EHTV-V3 (2.7-13.5 mm)

FD9387-EHTV-V3 (7-22 mm)

FD9391-EHTV-V2

Type	V-series Modular AI Camera				
Camera Features					
Image Sensor	1/2" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)	1920x1080 (2MP)	2560x1920 (5MP)	2560x1920 (5MP)	3840x2160 (8MP)
Focal Length	f = 4 ~ 9 mm (f = 2.8 ~ 11.4 mm, equivalent focal length @ 1/2.8")	f = 2.7 ~ 13.5 mm	f = 2.7 ~ 13.5 mm	f = 7 ~ 22 mm	f = 4.4 ~ 10.2 mm (f = 2.8~10.3mm, equivalent focal length @ 1/2.8")
Field of View	120° ~ 46° (H) 60° ~ 26° (V) 148° ~ 53° (D)	110° ~ 33° (H) 55° ~ 18° (V) 126° ~ 37° (D)	100.1° ~ 29.9° (H) 71.8° ~ 22.4° (V) 135.2° ~ 37.4° (D)	39.3° ~ 15.5° (H) 28.8° ~ 11.6° (V) 50.8° ~ 19.4° (D)	110° ~ 43° (H) 57° ~ 24° (V) 133° ~ 49° (D)
WDR	WDR Pro II	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	50m	50m	50m	50m	50m
Minimum Illumination	0.040 lux @ F1.3 (Color), 50IRE 0.015 lux @ F1.3 (Color), 30IRE <0.005 lux @ F1.3 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.4 (Color)(30IRE) 0.080 lux @ F1.4 (Color)(50IRE) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.8 (Color) <0.005 lux @ F1.8 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.7 (Color) <0.005 lux @ F1.7 (B/W) 0 lux with IR illumination on	0.01 lux @ F1.38 (Color) <0.005 lux @ F1.38 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	60 fps @ 1920x1080	30 fps @ 1920x1080 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 3840x2160
Built-in Mic	√	√	√	√	√
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	√	√	√	√	√
Object Detection (People)	√	√	√	√	√
Object Detection (Vehicle)	√	√	√	√	√
Attribute Extraction	√	-	√	√	√
Object Detection (Re-Search)	√	-	√	√	√
General					
Power Consumption	PoE: 13.11/9.67 W (IR on/off) DC 12V: 14.00/10.56 W (IR on/off) AC 24V: 10.79/7.35 W (IR on/off)	PoE: Max. 9/6 W (IR on/off) DC 12V: Max. 9/6 W (IR on/off) AC 24V*: Max. 9/6 W (IR on/off) *Requires extension I/O module kit	PoE: 12.95W/ 10.05W (IR on/off) DC 12V: Max. 14.4W/ 11.5W (IR on/off) AC 24V*: Max. 12W/ 9.1W (IR on/off) *Requires extension I/O module kit	PoE: 12.95W/ 10.05W (IR on/off) DC 12V: Max. 14.4W/ 11.5W (IR on/off) AC 24V*: Max. 12W/ 9.1W (IR on/off) *Requires extension I/O module kit	PoE: 14.25/10.81 W (IR on/off) DC 12V: 14.40/10.96 W (IR on/off) AC 24V: 11.64/8.20 W (IR on/off)
Operating Temperature	-50 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 60°C	-50 °C ~ 60°C
Certifications					
IP66	√	√	√	√	√
IP67	√	√	√	√	√
IK10	-	√	-	-	-
IK10+	√	-	√	√	√
NEMA 4X	√	√	√	√	√

Outdoor Dome



FD9389-EHTV-V3



FD9389-EHV-V3



FD9399-EHTV



FD9399-EHV

Type	V-series AI Camera			
Camera Features				
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)	2560x1920 (5MP)	3840x2160 (8MP)	3840x2160 (8MP)
Focal Length	f = 2.8~12 mm	f = 2.8 mm	f = 4.3~9.8mm	f = 4.2 mm
Field of View	95.4° ~ 28.7° (H) 68.8° ~ 21.5° (V) 129.6° ~ 35.9°(D)	103.4° (H) 75.3° (V) 135.2° (D)	110.4° ~ 45.1° (H) 57.9° ~ 25.4° (V) 133.9° ~ 51.8°(D)	110.74° (H) 59.1° (V) 131.0° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	40m	40m	40m	40m
Minimum Illumination	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.02 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.015 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network				
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (5MP)	30 fps @ 2560x1920 (5MP)	30 fps @ 3840x2160 (8MP)	30 fps @ 3840x2160 (8MP)
Built-in Mic	√	√	√	√
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Smart VCA	√	√	√	√
Object Detection (People)	√	√	√	√
Object Detection (Vehicle)	√	√	√	√
Attribute Extraction	√	√	√	√
Object Detection (Re-Search)	√	√	√	√
General				
Power Consumption	Max. 12.4W/ 9.6W (IR on/off)	Max. 12.4W/ 9.6W (IR on/off)	Max. 12.4W/ 9.6W (IR on/off)	Max. 12.4W/ 9.6W (IR on/off)
Operating Temperature	-35 °C ~ 60°C	-35 °C ~ 60°C	-35 °C ~ 60°C	-35 °C ~ 60°C
Certifications				
IP66	√	√	√	√
IP67	-	-	-	-
IK10	√	√	√	√
IK10+	-	-	-	-
NEMA 4X	√	√	√	√

Bullet



IB9368-HT



IB9369 (2.8 mm)



IB9369 (3.6 mm)



IB9380-HV-V2



IB9380-HTV-V2

Type	C-series Entry-level Network Camera				
Camera Features					
Image Sensor	1/2.9" Progressive CMOS	1/3.1" Progressive CMOS	1/3.1" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2880x1616 (5MP)	2880x1616 (5MP)
Focal Length	f = 2.8 ~ 12mm	f=2.8mm	f=3.6mm	f = 2.8 mm	f = 2.7 ~ 13.5mm
Field of View	93° ~ 32° (H) 50° ~ 18° (V) 110° ~ 37° (D)	118° (H) 65° (V) 140° (D)	90° (H) 49° (V) 106° (D)	111.0° (H) 59.0° (V) 133.0° (D)	111.0° ~ 32.2° (H) 57.0° ~ 18.0° (V) 136.0° ~ 37.0°(D)
WDR	WDR Pro	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Pro
IR Distance	30m	30m	30m	30m	30m
Minimum Illumination	0.055 lux @ F1.4 (Color) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on	0.08 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.1 lux @ F2.2 (Color) <0.005 lux @ F2.2 (B/W) 0 lux with IR illumination on	0.055 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 2880x1616	30 fps @ 2880x1616
Built-in Mic	-	-	-	√	√
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	-	-	-	√	√
Object Detection (People)	-	-	-	√	√
Object Detection (Vehicle)	-	-	-	√	√
Attribute Extraction	-	-	-	-	-
Object Detection (Re-Search)	-	-	-	-	-
General					
Power Consumption	Max. 12.95 W/9 W (IR on/off)	Max. 6W/4W (IR on/off) DC 12V: Max. 5.1W/3.4W (IR on/off)	Max. 6W/4W (IR on/off) DC 12V: Max. 5.1W/3.4W (IR on/off)	6.5W	8W
Operating Temperature	-30 °C ~ 60°C	-30 °C ~ 55°C	-30 °C ~ 55°C	-30 °C ~ 60°C	-30 °C ~ 60°C
Certifications					
IP66	√	√	√	√	√
IP67	-	-	-	-	-
IK10	√	√	√	√	√
IK10+	-	-	-	-	-
NEMA 4X	-	-	-	-	-

Bullet



IB9383-HTV



IB9383-HV



IB9365-EHTV-V2



IB9367-EHT-V2 (2.7-13.5 mm)



IB9367-EHT-V2 (5-50 mm)

Type	C-series AI Camera		V-series Modular AI Camera		
Camera Features					
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)	2560x1920 (5MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Focal Length	f = 2.8 ~ 12mm	f = 3.6 mm	f = 4 ~ 9 mm (f = 3.5 ~ 11.4 mm, equivalent focal length @ 1/2.8")	f = 2.7 ~ 13.5 mm	f = 5 ~ 50 mm
Field of View	95.4° ~ 28.7° (H) 68.8° ~ 21.5° (V) 129.6° ~ 35.9°(D)	79.6° (H) 57.8° (V) 105.8° (D)	100° ~ 46° (H) 52° ~ 26° (V) 120° ~ 53° (D)	105° ~ 33° (H) 55° ~ 18° (V) 126° ~ 37° (D)	47° ~ 8° (H) 26° ~ 5° (V) 55° ~ 9° (D)
WDR	WDR Pro	WDR Pro	WDR Pro II	WDR Pro	WDR Pro
IR Distance	30m	30m	50m	50m	100m
Minimum Illumination	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.040 lux @ F1.3 (Color), 50IRE 0.015 lux @ F1.3 (Color), 30IRE <0.005 lux @ F1.3 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.4 (Color)(30IRE) 0.080 lux @ F1.4 (Color)(50IRE) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on	0.040 lux @ F2.0 (Color)(30IRE) 0.085 lux @ F2.0 (Color)(50IRE) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920	30 fps @ 2560x1920	60 fps @ 1920x1080	30 fps @ 1920x1080 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 1920x1080 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)
Built-in Mic	√	√	-	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	√	√	√	√	√
Object Detection (People)	√	√	√	√	√
Object Detection (Vehicle)	√	√	√	√	√
Attribute Extraction	√	√	√	-	-
Object Detection (Re-Search)	√	√	√	-	-
General					
Power Consumption	Max. 12.4 W / 8.0 W (IR on/off)	Max. 10.6 W / 6.0 W (IR on/off)	PoE: 22.23/18.65 W (IR on/off) DC 12V: 17.28/13.70 W (IR on/off) AC 24V: 18.26/14.68 W (IR on/off)	PoE: Max. 10.77/7.77 W (IR on/off) DC 12V: Max. 9.24/6.24 W (IR on/off) AC 24V*: Max. 10.3/7.3 W (IR on/off) *Requires extension I/O module kit	PoE: Max. 10.77/7.77 W (IR on/off) DC 12V: Max. 9.24/6.24 W (IR on/off) AC 24V*: Max. 10.3/7.3 W (IR on/off) *Requires extension I/O module kit
Operating Temperature	-30 °C ~ 55°C	-30 °C ~ 55°C	-50 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 60°C
Certifications					
IP66	√	√	√	√	√
IP67	-	-	√	√	√
IK10	√	√	√	√	√
IK10+	-	-	-	-	-
NEMA 4X	-	-	√	√	√

Bullet


IB9387-EHTV-V3 (2.7-13.5 mm)

IB9387-EHTV-V3 (7-22 mm)

IB9387-EHTV-V3 (12-40 mm)

IB9391-EHTV-V2

Type	V-series Modular AI Camera			
Camera Features				
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)	3840x2160 (8MP)
Focal Length	f = 2.7 ~ 13.5 mm	f = 7 ~ 22 mm	f = 12 ~ 40 mm	f = 4.4 ~ 10.2 mm (f = 3.2~10.3mm, equivalent focal length @ 1/2.8")
Field of View	100.1° ~ 29.9° (H) 71.8° ~ 22.4° (V) 135.2° ~ 37.4° (D)	39.3° ~ 15.5° (H) 28.8° ~ 11.6° (V) 50.8° ~ 19.4° (D)	24.2° ~ 8.3° (H) 18° ~ 6.3° (V) 30.5° ~ 10.4° (D)	100° ~ 43° (H) 50° ~ 24° (V) 110° ~ 49° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	50m	50m	100m	50m
Minimum Illumination	0.04 lux @ F1.8 (Color) <0.005 lux @ F1.8 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.7 (Color) <0.005 lux @ F1.7 (B/W) 0 lux with IR illumination on	0.075 lux @ F2.2 (Color) <0.005 lux @ F2.2 (B/W) 0 lux with IR illumination on	0.01 lux @ F1.38 (Color) <0.005 lux @ F1.38 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network				
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 3840x2160
Built-in Mic	-	-	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Smart VCA	√	√	√	√
Object Detection (People)	√	√	√	√
Object Detection (Vehicle)	√	√	√	√
Attribute Extraction	√	√	√	√
Object Detection (Re-Search)	√	√	√	√
General				
Power Consumption	PoE: Max. 12.95W/ 10.55W (IR on/off) DC 12V: Max. 14.4W/ 12.0W (IR on/off) AC 24V*: Max. 12W/ 9.6W (IR on/off)	PoE: Max. 12.95W/ 10.55W (IR on/off) DC 12V: Max. 14.4W/ 12.0W (IR on/off) AC 24V*: Max. 12W/ 9.6W (IR on/off)	PoE: Max. 12.95W/ 10.55W (IR on/off) DC 12V: Max. 14.4W/ 12.0W (IR on/off) AC 24V*: Max. 12W/ 9.6W (IR on/off)	PoE: 19.38/15.80 W (IR on/off) DC 12V: 15.84/12.26 W (IR on/off) AC 24V: 16.52/12.94 W (IR on/off)
Operating Temperature	-40 °C ~ 60°C	-40 °C ~ 60°	-40 °C ~ 60°	-50 °C ~ 60°C
Certifications				
IP66	√	√	√	√
IP67	√	√	√	√
IK10	√	√	√	√
IK10+	-	-	-	-
NEMA 4X	√	√	√	√

Bullet



IB9389-EHTV-V3



IB9389-EHV-V3



IB9399-EHTV



IB9399-EHV

Type	V-series AI Camera			
Camera Features				
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)	2560x1920 (5MP)	3840x2160 (8MP)	3840x2160 (8MP)
Focal Length	f = 2.8~12 mm	f = 2.8 mm	f = 4.3~9.8mm	f = 4.2 mm
Field of View	95.4° ~ 28.7° (H) 68.8° ~ 21.5° (V) 129.6° ~ 35.9°(D)	103.4° (H) 75.3° (V) 135.2° (D)	110.4° ~ 45.1° (H) 57.9° ~ 25.4° (V) 133.9° ~ 51.8°(D)	110.74° (H) 59.1° (V) 131.0° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	40m	40m	40m	40m
Minimum Illumination	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.02 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.015 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network				
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (5MP)	30 fps @ 2560x1920 (5MP)	30 fps @ 3840x2160 (8MP)	30 fps @ 3840x2160 (8MP)
Built-in Mic	√	√	√	√
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Smart VCA	√	√	√	√
Object Detection (People)	√	√	√	√
Object Detection (Vehicle)	√	√	√	√
Attribute Extraction	√	√	√	√
Object Detection (Re-Search)	√	√	√	√
General				
Power Consumption	Max. 12.4W/ 9.6W (IR on/off)	Max. 12.4W/ 9.6W (IR on/off)	Max. 12.4W/ 9.6W (IR on/off)	Max. 12.4W/ 9.6W (IR on/off)
Operating Temperature	-35 °C ~ 60°C	-35 °C ~ 60°C	-35 °C ~ 60°C	-35 °C ~ 60°C
Certifications				
IP66	√	√	√	√
IP67	√	√	√	√
IK10	√	√	√	√
IK10+	-	-	-	-
NEMA 4X	-	-	-	-

Turret



IT9360-H (2.8 mm)



IT9360-H (3.6 mm)



IT9380-HTV-V2



IT9380-HV-V2



IT9383-HTVW

Type	C-series Entry-level Network Camera				C-series AI camera
Camera Features					
Image Sensor	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)	1920x1080 (2MP)	2880x1616 (5MP)	2880x1616 (5MP)	2560x1920 (5MP)
Focal Length	f = 2.8 mm	f = 3.6 mm	f = 2.7 ~ 13.5mm	f = 2.8 mm	f = 2.8~12 mm
Field of View	109° (H) 59° (V) 129° (D)	81° (H) 44° (V) 95° (D)	111.0° ~ 32.2° (H) 57.0° ~ 18.0° (V) 136.0° ~ 37.0°(D)	111.0° (H) 59.0° (V) 133.0° (D)	95.4° ~ 28.7° (H) 68.8° ~ 21.5° (V) 129.6° ~ 35.9°(D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	30m	30m	30m	30m	30m
Minimum Illumination	0.065 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.065 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.055 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 2880x1616	30 fps @ 2880x1616	30 fps @ 2560x1920 (5MP)
Built-in Mic	√	√	√	√	√
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	-	-	√	√	√
Object Detection (People)	-	-	√	√	√
Object Detection (Vehicle)	-	-	√	√	√
Attribute Extraction	-	-	-	-	√
Object Detection (Re-Search)	-	-	-	-	√
General					
Power Consumption	Max. 6 W/3.31 W (IR on/off)	Max. 6 W/3.31 W (IR on/off)	8W	6W	Max: 12.2W / 8.5W (IR on/off) Normal 5.5W
Operating Temperature	-20 °C ~ 60°C	-20 °C ~ 60°C	-30 °C ~ 60°C	-30 °C ~ 60°C	-30 °C ~ 50°C
Certifications					
IP66	√	√	√	√	√
IP67	-	-	-	-	-
IK10	√	√	√	√	√
IK10+	-	-	-	-	-
NEMA 4X	-	-	-	-	-

Turret



IT9383-HVW



NEW IT9389-HTVW-V3



NEW IT9389-HVW-V3



NEW IT9399-HTVW



NEW IT9399-HVW

Model Name

Type	C-series AI camera	V-series AI Camera			
Camera Features					
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)	3840x2160 (8MP)	3840x2160 (8MP)
Focal Length	f = 2.8 mm	f = 2.8~12 mm	f = 2.8 mm	f = 4.3~9.8mm	f = 4.2 mm
Field of View	103.4° (H) 75.3° (V) 135.2° (D)	95.4° ~ 28.7° (H) 68.8° ~ 21.5° (V) 129.6° ~ 35.9°(D)	103.4° (H) 75.3° (V) 135.2° (D)	110.4° ~ 45.1° (H) 57.9° ~ 25.4° (V) 133.9° ~ 51.8°(D)	110.74° (H) 59.1° (V) 131.0° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	30m	40m	40m	40m	40m
Minimum Illumination	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.02 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.015 lux @ F1.6 (Color) <0.005 lux @ F1.6 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (5MP)	30 fps @ 2560x1920 (5MP)	30 fps @ 2560x1920 (5MP)	30 fps @ 3840x2160 (8MP)	30 fps @ 3840x2160 (8MP)
Built-in Mic	✓	✓	✓	✓	✓
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	✓	✓	✓	✓	✓
Object Detection (People)	✓	✓	✓	✓	✓
Object Detection (Vehicle)	✓	✓	✓	✓	✓
Attribute Extraction	✓	✓	✓	✓	✓
Object Detection (Re-Search)	✓	✓	✓	✓	✓
General					
Power Consumption	Max: 10.7W / 7W (IR on/off) Normal 5.5W	Max. 12.4W/9.6W (IR on/off)	Max. 12.4W/9.6W (IR on/off)	Max. 12.4W/9.6W (IR on/off)	Max. 12.4W/9.6W (IR on/off)
Operating Temperature	-30 °C ~ 50°C	-30 °C ~ 50°C	-30 °C ~ 50°C	-30 °C ~ 50°C	-30 °C ~ 50°C
Certifications					
IP66	✓	✓	✓	✓	✓
IP67	-	-	-	-	✓
IK10	✓	✓	✓	✓	✓
IK10+	-	-	-	-	-
NEMA 4X	-	-	-	-	-

Panoramic



FE9180-H-V2



FE9380-HV



CC9160-H



CC9160-H(DJ)



CC9160-H(HS)

Type	C-series Fisheye Panoramic Camera		C-series Compact Panoramic Camera		
Camera Features					
Image Sensor	1/2.7" Progressive CMOS in 2688x1944	1/2.7" Progressive CMOS in 2688x1944	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	1920x1920	1920x1920	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Focal Length	f = 1.16mm	f = 1.16mm	f = 1.66 mm	f = 1.66 mm	f = 1.66 mm
Field of View	180° (H) 180° (V) 180° (D)	180° (H) 180° (V) 180° (D)	180° (H) 100° (V) 180° (D)	180° (H) 100° (V) 180° (D)	180° (H) 100° (V) 180° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	NA	10m	NA	NA	NA
Minimum Illumination	0.05 lux @ F2.25 (Color) <0.005 lux @ F2.25 (B/W)	0.05 lux @ F2.25 (Color) <0.005 lux @ F2.25 (B/W) 0 lux with IR illumination on	0.03 lux@F1.95	0.03 lux@F1.95	0.03 lux@F1.95
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	24 fps @ 1920x1920 (WDR on) 30 fps @ 1920x1920 (WDR off)	24 fps @ 1920x1920 (WDR on) 30 fps @ 1920x1920 (WDR off)	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080
Built-in Mic	V	V	V	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	-	-	-	-	-
Object Detection (People)	-	-	-	-	-
Object Detection (Vehicle)	-	-	-	-	-
Attribute Extraction	-	-	-	-	-
Object Detection (Re-Search)	-	-	-	-	-
General					
Power Consumption	Max 4.6 W	Max. 12 W/3.8 W (IR on/off)	Max. 5W	Max: 5W	Max. 5W
Operating Temperature	-10 °C ~ 50°C	-30 °C ~ 60°C	-10 °C ~ 45°C	-10 °C ~ 45°C	-10 °C ~ 45°C
Certifications					
IP66	-	V	-	-	-
IP67	-	-	-	-	-
IK10	-	V	-	-	-
IK10+	-	-	-	-	-
NEMA 4X	-	-	-	-	-

Panoramic



FE9191-H-V2



FE9192-H



FE9382-EHV-V2



FE9391-EHV-V2



FE9391-EV-V2-M12

Type	V-series Fisheye AI Panoramic Camera				
Camera Features					
Image Sensor	1/2.3" Progressive CMOS in 4056x3040	1/2.3" Progressive CMOS in 4056x3040	1/1.8" Progressive CMOS in 3840x2160	1/2.3" Progressive CMOS in 4056x3040	1/2.3" Progressive CMOS in 4056x3040
Max. Resolution	2944x2944	2944x2944	2048x2048	2944x2944	2816x2816
Focal Length	f = 1.22mm	f = 1.22mm	f = 1.245mm	f = 1.22mm	f = 1.18mm
Field of View	180° (H) 180° (V) 180° (D)	180° (H) 180° (V) 180° (D)	180° (H) 180° (V) 180° (D)	180° (H) 180° (V) 180° (D)	180° ± 5° (H) 180° ± 5° (V)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	NA	NA	20m	20m	5m
Minimum Illumination	0.1 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W)	0.1 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W)	0.065 lux @ F1.6 (Color) <0.001 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.1 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.1 lux @ F2.18 (Color) <0.005 lux @ F2.18 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30fps @ 2944x2944 (WDR off) 20fps @ 2944x2944 (WDR on)	30fps @ 2944x2944 (WDR off) 20fps @ 2944x2944 (WDR on)	30fps @ 2048x2048 (WDR on)	30fps @ 2944x2944 (WDR off) 20fps @ 2944x2944 (WDR on)	30fps @ 2816x2816 (WDR off) 20fps @ 2816x2816 (WDR on)
Built-in Mic	V	V	V	V	V
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	V	V	V	V	-
Object Detection (People)	V	V	V	V	-
Object Detection (Vehicle)	V	V	V	V	-
Attribute Extraction	V	V	V	V	-
Object Detection (Re-Search)	V	V	V	V	-
General					
Power Consumption	Max. 9 W	Max. 9 W	Max. 12.5 W/5 W (IR on/off)	Max. 22.5 W/9.55 W (IR on/off)	Max. 18 W/9.55 W (IR on/off)
Operating Temperature	-10 °C ~ 50°C	-10 °C ~ 50°C	-40 °C ~ 60°C	-40 °C ~ 55°C	-40 °C ~ 70°C
Certifications					
IP66	-	-	V	V	V
IP67	-	-	-	-	-
IK10	V	-	V	V	V
IK10+	-	-	-	-	-
NEMA 4X	-	-	-	-	-

Panoramic



Model Name

FE9391-EV-V2-M12 (M)

CC9380-HV-V2

CC9381-HV-V2

CC9390-HV

CC9391-HV

Type	V-series Compact Panoramic AI Camera				
Camera Features					
Image Sensor	1/2.3" Progressive CMOS in 4056x3040	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	2816x2816	2560x1920 (5MP)	2560x1920 (5MP)	3840x2160 (4K/8MP)	3840x2160 (4K/8MP)
Focal Length	f = 1.18mm	f = 1.47 mm	f = 1.47 mm	f = 2.53mm	f = 2.53mm
Field of View	180° ± 5° (H) 180° ± 5° (V)	180° (H) 120° (V) 180°(D)	180° (H) 120° (V) 180°(D)	180° (H) 103° (V) 180° (D)	180° (H) 103° (V) 180° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	5m	NA	20m	NA	20m
Minimum Illumination	0.1 lux @ F2.18 (Color) <0.005 lux @ F2.18 (B/W) 0 lux with IR illumination on	0.08 lux @ F2.7 (Color) 0.005lux @ F2.7 (B/W)	0.08 lux @ F2.7 (Color) 0.005lux @ F2.7 (B/W) 0 lux with IR Illumination on	0.08 lux @ F2.4 (Color) 0.005lux @ F2.4 (B/W)	0.08 lux @ F2.4 (Color) 0.005lux @ F2.4 (B/W) 0 lux with IR Illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30fps @ 2816x2816 (WDR off) 20fps @ 2816x2816 (WDR on)	30 fps @ 2560x1920	30 fps @ 2560x1920	30 fps @ 3840x2160	30 fps @ 3840x2160
Built-in Mic	V	V	V	V	V
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	-	V	V	V	V
Object Detection (People)	-	V	V	V	V
Object Detection (Vehicle)	-	V	V	V	V
Attribute Extraction	-	V	V	V	V
Object Detection (Re-Search)	-	V	V	V	V
General					
Power Consumption	Max. 18 W/9.55 W (IR on/off)	Max. 9.12W	Max. 10.26W/6.96W (IR on/off)	Max. 9.96W	Max. 10.83W/7.5W (IR on/off)
Operating Temperature	-40 °C ~ 70°C	-30 °C ~ 55°C	-30 °C ~ 60°C	-30 °C ~ 55°C	-30 °C ~ 60°C
Certifications					
IP66	V	V	V	V	V
IP67	-	-	-	-	-
IK10	V	V	V	V	V
IK10+	-	-	-	-	-
NEMA 4X	-	-	-	-	-

Panoramic



MA9322-EHTVL



NEW MA9311-EHTV



NEW MA9322-EHTV-V2



MS9321-EHV-V2



MS9390-EHV-V2

Type	V-series Multi-directional Panoramic AI Camera			V-series Multi-sensor Panoramic AI Camera	
Camera Features					
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS
Max. Resolution	2688x1920 (5MP) x 4	2560x1920 (5MP) x 2	2560x1920 (5MP) x 4	6912x2624 (18MP)	4864x1632 (8MP)
Focal Length	f = 3.7 ~ 7.7mm	f = 2.8 ~ 12mm	f = 3.2 ~ 7.7mm	f = 3.5 mm	f = 2.8 mm
Field of View	88.6° ~ 40.1° (H) 61.2° ~ 28.6° (V) 115.5° ~ 49.5° (D)	95.4° ~ 28.7° (H) 68.8° ~ 21.5° (V) 129.6° ~ 35.9°(D)	94° ~ 43° (H) 67° ~ 33° (V) 129° ~ 55° (D)	180° (H) 62.5° (V) 180° (D)	180° (H) 50° (V) 180° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	30m	20m	30m	30m	20m
Minimum Illumination	0.035 lux @ F1.9 (Color) 0.005 lux @ F1.9 (B/W) 0 lux with IR illumination on	0.05 lux @F1.6 (Color) 0.005 lux @F1.6 (B/W) 0 lux with IR illuminaton on	0.07 lux @F1.85 (Color) 0.005 lux @F1.85 (B/W) 0 lux with IR illumination on	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.018 lux @ F1.2 (Color) 0.01 lux @ F1.2 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network					
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	15 fps @ (2688x1920) x 4 30 fps @ (2560x1440) x 4	30 fps @ (2560x1920) x 2	30 fps @ (2560x1920) x 4	30 fps @ 6912x2624 (Deep Learning VCA OFF) 20 fps @ 6912x2624 (Deep Learning VCA ON)	30 fps @ 4864x1632
Built-in Mic	√	√	√	√	√
ONVIF	-	Profile G, S, T, M	Profile G, S, T, M	Profile G, S, T	Profile G, S, T
AI Analytics					
Smart VCA	-	√	√	√	√
Object Detection (People)	-	√	√	√	√
Object Detection (Vehicle)	-	√	√	√	√
Attribute Extraction	-	√	√	√	√
Object Detection (Re-Search)	-	√	√	√	√
General					
Power Consumption	Max. 25W	Max. 25.5 W	Max. 25.5 W	Max. 18.81 W AC 24V: Max. 26.4 W	Max. 20 W/13.5W (IR on/off)
Operating Temperature	-40 °C ~ 50°C	-40 °C ~ 55°C	-40 °C ~ 55°C	-40 °C ~ 55°C	-40 °C ~ 55°C
Certifications					
IP66	√	√	√	√	√
IP67	-	-	-	-	-
IK10	√	√	√	√	√
IK10+	-	-	-	-	-
NEMA 4X	-	-	√	-	-

Pan-Tilt-Zoom



SD9161-H-v2



SD9368-EHL



SD9384-EHL



SD9394-EHL

Type	V-series AI PTZ Camera			
Camera Features				
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)	1920x1080 (2MP)	2560x1920 (5MP)	3840x2160 (8M)
Focal Length	5.1~51mm (10x zoom)	4.25~170mm (40x zoom)	4.94~148.24mm (30x zoom)	6.5~212mm (32x zoom)
Field of View	55.2° ~ 7.1° (H) 31.8° ~ 4.1° (V) 62.4° ~ 8.1° (D)	65.7° ~ 1.9° (H) 39.4° ~ 1.1° (V) 73.0° ~ 2.1° (D)	54.1° ~ 1.9° (H) 41.2° ~ 1.4° (V) 65.7° ~ 2.4° (D)	63.5° ~ 2.0° (H) 37.4° ~ 1.1° (V) 70.7° ~ 2.3° (D)
WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro
IR Distance	NA	250m	200m	250m
Minimum Illumination	0.14 Lux @ F1.6 (Color) 0.005 Lux @ F1.6 (B/W)	0.04 Lux @ F1.6 (Color) 0.005 Lux @ F1.6 (B/W) 0 lux with IR illumination on	0.03 lux @ F1.3 (Color) 0.005 lux @ F1.3 (B/W) 0 lux with IR illumination on	0.02 lux @ F1.4 (Color)(30IRE) 0.06 lux @ F1.4 (Color)(50IRE) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network				
Video Compression Codec	H265, H264, MJPEG	H265, H264, MJPEG	H265, H264, MJPEG	H265, H264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 (WDR on) 60 fps @ 1920x1080 (WDR off)	30 fps @ 1920x1080 (WDR on) 60 fps @ 1920x1080 (WDR off)	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 3840x2160 (WDR on)
Built-in Mic	-	-	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Smart VCA	-	-	-	-
Object Detection (People)	√	√	√	√
Object Detection (Vehicle)	√	√	√	√
Attribute Extraction	√	√	√	√
Object Detection (Re-Search)	√	√	√	√
General				
Power Consumption	PoE: Max. 17W AC/DC 24V: Max. 17W	PoE: Max. 51W/26W (IR on/off) DC 48V: Max. 51W/26W (IR on/off) AC 24V: Max. 51W/26W (IR on/off)	PoE: Max. 51W/26W (IR on/off) DC 48V: Max. 51W/26W (IR on/off) AC 24V: Max. 51W/26W (IR on/off)	PoE: Max. 51W/26W (IR on/off) DC 48V: Max. 51W/26W (IR on/off) AC 24V: Max. 51W/26W (IR on/off)
Operating Temperature	-10 °C ~ 55°C	-40 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 55°C
Certifications				
IP66	-	√	√	√
IP67	-	√	√	√
IK10	-	√	√	√
IK10+	-	-	-	-
NEMA 4X	-	-	-	-



IP9165-HT-V2 (3.9-10 mm)



IP9181-HT-V2 (2.8-8.5 mm)



IP9191-HT-V2 (3.9-10 mm)

Type	V-series AI Box Camera		
Camera Features			
Image Sensor	1/2" Progressive CMOS	1/2" Progressive CMOS	1/1.8" Progressive CMOS
Max. Resolution	1920x1080	2560 x 1920 (4:3) 2880 x 1632 (16:9)	3840 x 2160 (16:9) 1920x1080p(16:9)
Focal Length	f= 3.9~10mm	f= 2.8-8.5mm	f= 3.9~10mm
Field of View	109.7° ~ 42.7° (H) 58.5° ~ 23.9° (V) 129.9° ~ 49° (D)	106.8°~36.4° (H) 77.4°~27.3° (V) 143.1°~45.6° (D)	118.7°~45.6° (H) 62.9°~25.6° (V) 141.9°~52.4° (D)
WDR	WDR Pro II	WDR Pro	WDR Pro
IR Distance	-	-	-
Minimum Illumination	0.01 lux @ F.15 (Color) 0.005 lux @ F1.5 (B/W)	0.01 lux @ F.15 (Color) 0.005 lux @ F1.5 (B/W)	0.01 lux @ F1.2 (Color) 0.005 lux @ F1.2 (B/W)
Video/ Audio/ Network			
Video Compression Codec	H.265,H.264, MJPEG	H.265,H.264, MJPEG	H.265,H.264, MJPEG
Maximum Frame Rate	60 fps @ 1920x1080 (WDR Pro) 30 fps @ 1920x1080 (WDR Pro II)	2560 x 1920 @ 30fps (WDR on) 2880 x 1632 @ 30fps (WDR on)	30 fps @ 3840x2160 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)
Built-in Mic	-	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics			
Smart VCA	√	√	√
Object Detection (People)	√	√	√
Object Detection (Vehicle)	√	√	√
Attribute Extraction	√	√	√
Object Detection (Re-Search)	√	√	√
General			
Power Consumption	DC 12V: Max. 8.88 W AC 24V: Max. 17 W PoE: Max. 10 W	DC 12V: Max. 8.88 W AC 24V: Max. 17 W PoE: Max. 10 W	DC 12V: Max. 8.88 W AC 24V: Max. 17 W PoE: Max. 10 W
Operating Temperature	-10 °C ~ 60°C	-10 °C ~ 60°C	-10 °C ~ 60°C
Certifications			
IP66	-	-	-
IP67	-	-	-
IK10	-	-	-
IK10+	-	-	-
NEMA 4X	-	-	-

Thermal



TB9332-E (9 mm)



TB9332-E (15 mm)



TB9332-E (35 mm)



TB9332-E (50 mm)

Type	S-series Thermal Camera			
Camera Features				
Image Sensor	Uncooled VOx Micro bolometer	Uncooled VOx Micro bolometer	Uncooled VOx Micro bolometer	Uncooled VOx Micro bolometer
Max. Resolution	Effective pixels: 640x512 Image scale up to: 1280x1024	Effective pixels: 640x512 Image scale up to: 1280x1024	Effective pixels: 640x512 Image scale up to: 1280x1024	Effective pixels: 640x512 Image scale up to: 1280x1024
Focal Length	f = 9 mm	f = 15 mm	f = 35 mm	f = 50 mm
Field of View	48° (H) 38° (V)	32° (H) 26° (V)	12° (H) 10° (V)	8° (H) 7° (V)
IR Distance	-	-	-	-
Video/ Audio/ Network				
Video Compression Codec	H.265, H.264	H.265, H.264	H.265, H.264	H.265, H.264
Maximum Frame Rate	25 fps @ 1280x1024	25 fps @ 1280x1024	25 fps @ 1280x1024	25 fps @ 1280x1024
Built-in Mic	-	-	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Temperature measurement alarms	✓	✓	✓	✓
Fire spot detection	✓	✓	✓	✓
Smoking detection	✓	✓	✓	✓
Smoke & flame detection	-	-	-	-
VCA	✓	✓	✓	✓
General				
Power Consumption	Max. 5W	Max. 5W	Max. 5W	Max. 5W
Operating Temperature	-40 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 60°C
Certifications				
IP66	✓	✓	✓	✓
IP67	-	-	-	-
IK10	-	-	-	-
IK10+	-	-	-	-
NEMA 4X	-	-	-	-

Thermal



TB9333-E (3.5 mm)



TB9333-E (7 mm)



TT9333-E (3.5 mm)



TT9333-E (7 mm)

Type	S-series Thermal Camera			
Camera Features				
Image Sensor	Dual sensor: Uncooled VOx Micro bolometer 1/2.7" Progressive CMOS	Dual sensor: Uncooled VOx Micro bolometer 1/2.7" Progressive CMOS	Dual sensor: Uncooled VOx Micro bolometer 1/2.7" Progressive CMOS	Dual sensor: Uncooled VOx Micro bolometer 1/2.7" Progressive CMOS
Max. Resolution	Thermal lens: Effective pixels: 256x192 Image scale up to: 704x576 Optical lens: 2560x1440	Thermal lens: Effective pixels: 256x192 Image scale up to: 704x576 Optical lens: 2560x1440	Thermal lens: Effective pixels: 256x192 Image scale up to: 704x576 Optical lens: 2560x1440	Thermal lens: Effective pixels: 256x192 Image scale up to: 704x576 Optical lens: 2560x1440
Focal Length	Thermal lens: f = 3.5 mm Optical lens: f = 4 mm	Thermal lens: f = 7 mm optical lens: f = 8 mm	Thermal lens: f = 3.5 mm optical lens: f = 4 mm	Thermal lens: f = 7 mm optical lens: f = 8 mm
Field of View	Thermal lens(3.5mm) 48° (H) 36° (V) Optical lens (4mm) 92° (H) 46° (V)	Thermal lens (7mm) 24° (H) 18° (V) Optical lens (8mm) 40° (H) 20° (V)	Thermal lens(3.5mm) 48° (H) 36° (V) Optical lens (4mm) 92° (H) 46° (V)	Thermal lens (7mm) 24° (H) 18° (V) Optical lens (8mm) 40° (H) 20° (V)
IR Distance	35m	50m	35m	50m
Video/ Audio/ Network				
Video Compression Codec	H265, H264, MJPEG	H265, H264, MJPEG	H265, H264, MJPEG	H265, H264, MJPEG
Maximum Frame Rate	Thermal: 25 fps @ 704x576 Optical: 25 fps @ 2560x1440	Thermal: 25 fps @ 704x576 Optical: 25 fps @ 2560x1440	Thermal: 25 fps @ 704x576 Optical: 25 fps @ 2560x1440	Thermal: 25 fps @ 704x576 Optical: 25 fps @ 2560x1440
Built-in Mic	-	-	-	-
ONVIF	Profile G, S, T	Profile G, S, T	Profile G, S, T	Profile G, S, T
AI Analytics				
Temperature measurement alarms	√	√	√	√
Fire spot detection	√	√	√	√
Smoking detection	√	√	√	√
Smoke & flame detection	√	√	√	√
VCA	√	√	√	√
General				
Power Consumption	Max.12W	Max.12W	Max.10W	Max.10W
Operating Temperature	-40 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 60°C	-40 °C ~ 60°C
Certifications				
IP66	√	√	√	√
IP67	-	-	-	-
IK10	-	-	-	-
IK10+	-	-	-	-
NEMA 4X	-	-	-	-

Facial Recognition



FD9387-FR-V3 (7-22 mm)



FD9387-FR-V2

Type	S-series Facial Recognition Camera	
Camera Features		
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)	2560x1920 (5MP)
Focal Length	f= 7 ~ 22 mm	f= 2.7~ 13.5 mm
Field of View	39.3° ~ 15.5° (H) 28.8° ~ 11.6° (V) 50.8° ~ 19.4° (D)	39.3° ~ 15.4° (H) 70° ~ 23° (V) 128° ~ 38° (D)
WDR	WDR Pro	WDR Pro
IR Distance	50m	50m
Minimum Illumination	0.035 lux @ F1.7 (Color) <0.005 lux @ F1.7 (B/W) 0 lux with IR illumination on	0.075 lux @ F1.4 (Color) <0.01 lux @ F1.4 (B/W) 0 lux with IR illumination on
Video/ Audio/ Network		
Video Compression Codec	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 2560x1440 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 1600x1200 (WDR Pro on)
Built-in Mic	V	-
ONVIF	Profile G, S, T	Profile G, S, T
Facial Recognition		
Performance	Up to 99% accuracy ; supports recognition with mask; gender and age estimation; privacy mode.	Up to 99% accuracy ; supports recognition with mask; gender and age estimation; privacy mode.
Numbers of face captures	30 faces per second	30 faces per second
Profile database	Up to 10,000 Profiles	Up to 10,000 Profiles
Automatic create Profiles or stranger	Yes	Yes
Recognition Range	10M	5M
Integration	ONVIF Profile S event push; HTTP/ HTTPS Push in JSON format.	ONVIF Profile S event push; HTTP/ HTTPS Push in JSON format.
General		
Power Consumption	12.95W	DC12V: Max 23/ 18W (IR ON/ OFF) Max Current:1.92A PoE Max: 22.5W/ 18W (IR ON/OFF) 42.5V Max Current: 0.53A~0.4A AC24V Max: 21W/16W (IR ON/ OFF) Max Current: 1.4A
Operating Temperature	-40 °C ~ 60°C	-30 °C ~ 60°C
Certifications		
IP66	V	V
IP67	-	-
IK10	V	V
IK10+	V	-
NEMA 4X	-	-

Counting



Model Name **SC9133-RTL**

Type	S-series Counting Camera
Camera Features	
Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	1792 x 1792 (3MP)
Focal Length	f = 1.47mm
Field of View	140° (H) 140° (V) 140° (D)
WDR	WDR Pro
Minimum Illumination	0 lux with illumination on
Video/ Audio/ Network	
Video Compression Codec	H.265, H.264, MJPEG
Maximum Frame Rate	1792 x 1792 @ 30 f ps 896 x 896 @ 30 f ps 448 x 448 @ 30 f ps
Built-in Mic	√
Analytics	
Smart VCA	-
Object Detection (People)	-
Object Detection (Vehicle)	-
Attribute Extraction	-
Object Detection (Re-Search)	-
General	
Power Consumption	PoE: Max. 12.5W DC: Max. 13.3W
Operating Temperature	-30 °C ~ 60°C
General	
IP66	-
IP67	-
IK10	-
IK10+	-
NEMA 4X	-

Modular



Model Name **VC9101**

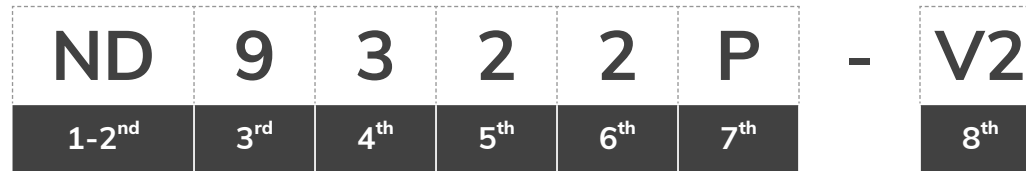
Type	S-series Modular Camera
Camera Features	
Max. Resolution	Depends on CU version; 2688x1520/ 1920x1920
WDR	WDR Pro
Video/ Audio/ Network	
Video Compression Codec	H.265, H.264, MJPEG
Maximum Frame Rate	Depends on CU sensor
Built-in Mic	-
ONVIF	Profile G, S, T
Analytics	
Smart VCA	√
Object Detection (People)	√
Object Detection (Vehicle)	√
Attribute Extraction	√
Object Detection (Re-Search)	√
General	
Power Consumption	< 8.5W
Operating Temperature	-10 °C ~ 50°C
General	
IP66	-
IP67	-
IK10	-
IK10+	-
NEMA 4X	-

Network Video Recorder

Embedded NVR & Recording Server



Network Video Recorder Naming Rule



Model Category	
NR	Rack Mount Type Network Video Recorder (Include Rack Mount Kit)
ND	Desktop Type Network Video Recorder (Without Rack Mount Kit)
NV	Vehicle Type Network Video Recorder
RX	Network Receiver

A/V Type	
8	H.264 / MJPEG
9	H.265 / H.264 / MJPEG

Extension/ Feature for ND/ NV/ RX	
P	PoE
W	Wireless Application

Digit Extension	
V	1 - 99

Extension for NR Series	
(A)	New version

Amount of Channel	
2	2 to the power of 2 = 4 Channels
3	2 to the power of 3 = 8 Channels
4	2 to the power of 4 = 16 Channels
5	2 to the power of 5 = 32 Channels
6	2 to the power of 6 = 64 Channels
7	2 to the power of 7 = 128 Channels

Number of Hard Drives	
0	No HDD
1	1 HDD
2	2 HDDs
3	3 HDDs
4	4 HDDs
5	5 HDDs
6	6 HDDs
7	7 HDDs
8	8 HDDs
9	9 HDDs

Revision for ND/ NV/ RX Series	
1-9	Not Specified

Revision for NR* Series	
1-9	Multiplied by the Number of HDD Group

*e.g., 5th no.=8; 6th no.=2,
Total HDD= 8 x 2= 16

Embedded NVR

Simple to Navigate but Versatile



Cloud Ready with VORTEX

VORTEX Connect offers powerful cloud management for V-series Embedded NVR. Monitor and control your cameras from anywhere, anytime, ensuring constant access.



CMS Ready with VAST Security Station

Grow easily by adding cameras as your business expands. Keep data safe by storing and managing it on-site, reducing internet risks.



Core+ AI

VIVOTEK Core+ AI supporting Deep Search and Smart VCA, offering a faster and smarter user experience.



Simplify Your Operations

- Multi-display
- Fisheye dewrap in local and web client
- Embedded PoE



Secure Connection & Reliable Compliance

No more plugins, Chrome browser supported, NDAA compliant and have cyber protection via Trend Micro.

Embedded NVR



ND9442P/ ND9542P



ND9326P/ ND9426P

Model

Type	Embedded NVR	
Local Display		
Channels	Up to 16/32 channels	Up to 8/16 channels
Video Output	HDMI/VGA	HDMI/VGA
Display Resolution	3840x2160/ 1920x1080/ 1280x720	3840x2160/ 1920x1080/ 1280x720
Fisheye Dewarp	Local: 10,1P,1R,1O3R,1O8R, 1P3R Web: 10, 1R, 1P	Local: 10,1P,1R,1O3R,1O8R, 1P3R Web: 10, 1R, 1P
Video/ Record		
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Decoding Capability	H.265/H.264: 3840x2160 @ 90 fps	H.265/H.264: 3840x2160 @ 120 fps
Decoding Resolution (Local)	Up to 7680x2560	Up to 7680x2560
Recording Throughput	192 Mbps	192 Mbps
Storage/ General		
Hard Disk	3.5" SATA HDD*4	3.5" SATA HDD*2
RAID	RAID 0, 1, 5	RAID 0, 1
PoE	16x 802.3at/af Compliant PoE Ports (Total Max. 200 W)	8/16x 802.3at/af Compliant PoE Ports (Total Max. 120 W/200 W)
Connectors	Ethernet 10/100/1000 RJ45 x2 Alarm In x16, Alarm Out x8 USB 2.0 x2, USB 3.0 x1 Audio Output x1 Audio Input x1 (Reserved) RS485 (Reserved)	Ethernet 10/100/1000 RJ45 x2 Alarm In x4, Alarm Out x1 USB 2.0 x2, USB 3.0 x1 Audio Output x1 Audio Input x1 (Reserved)
Power Input	AC 100 ~ 240V/ 50 ~ 60Hz	AC 100 ~ 240V/ 50 ~ 60Hz
Power Consumption	Max. 300 W	Max. 190 W/ 270W
Installation, Management, and Maintenance	VSS, VAST 2, Shepherd, VORTEX, iViewer (iOS/Android)	VSS, VAST 2, Shepherd, VORTEX, iViewer (iOS/Android)
Dimensions	432 x 421 x 66 mm	365 x 315 x 44 mm
Advanced Features		
Smart VCA Event Search	√	√
Deep Search	√	√
Cybersecurity Management	√	√
Trend Micro IoT Security	√	√
NDAA Compliance Product	√	√

Recording Server

Super and Outstanding Performance Video Recorder for Large Scale Systems



Hot-Swappable HDD

Supports hot-swappable HDD bays with RAID 0/1/5/6/10/50/60, and substation failover failover for reliable and secure recording data.



Built-in License with VSS Pro

Built-in license with VIVOTEK VAST Security Station Professional edition. Ready-to-go functionality with essential features, including 3rd Party Integration, Matrix and failover for substation.



Deep Search with VSS Pro

With VIVOTEK VAST Security Station Professional edition to support Deep Search, quickly locating people and vehicles within recorded footage using attributes, trajectories, and even similar appearances.



Reliable Surveillance with Failover

Experience a secure and stable monitoring atmosphere with the Supreme series, featuring failover for continuous operation.

Recording Server



NR9682-V3



NR9581-V3

Model	NR9682-V3	NR9581-V3
Type	Recording Server	
Display		
Channels	64 channels (expandable to 192-CH)	32 channels (expandable to 128-CH)
Video Output	HDMI/ DP/ DVI/ VGA	HDMI/ DP/ DVI/ VGA
Display Resolution	HDMI: 4096x2160/ DP: 7680x4320 DVI: 1920x1200/ VGA: 1920x1200	HDMI: 4096x2160/ DP: 7680x4320 DVI: 1920x1200/ VGA: 1920x1200
Fisheye Dewarp	10, 1P, 1R, 1O3R, 4R, 2P, 4R Pro, 1O8R	10, 1P, 1R, 1O3R, 4R, 2P, 4R Pro, 1O8R
Video/ Record		
Video Compression	H.265/H.264/MJPEG/MPEG4	H.265/H.264/MJPEG/MPEG4
Max. Decoding Capability	H.264: 1920x1080 @ 360 fps H.265: 1920x1080 @ 180 fps	H.264: 1920x1080 @ 360 fps H.265: 1920x1080 @ 180 fps
Decoding Resolution (Local)	Up to 7680x2560	Up to 7680x2560
Recording Throughput	512 Mbps	512 Mbps
Storage/ General		
Hard Disk	3.5" SATA HDD*16 (Hot Swappable)	3.5" SATA HDD*8 (Hot Swappable)
RAID	RAID 0, 1, 5, 6, 10, 50, 60	RAID 0, 1, 5, 6, 10, 50, 60
Connectors	2.5 Gigabit Ethernet (RJ-45) x2 USB 2.0 x2, USB 3.2 x4 Microphone Audio Jack Input x1 3.5 Line Input Audio Jack x1 3.5 Line Output Audio Jack x1	2.5 Gigabit Ethernet (RJ-45) x2 USB 2.0 x4, USB 3.2 x4 Microphone Audio Jack Input x1 3.5 Line Input Audio Jack x1 3.5 Line Output Audio Jack x1
Power Input	Redundant Power AC 100 ~ 240V	Redundant Power AC 100 ~ 240V
Power Consumption	Max. 920 W	Max. 550 W
Installation, Management, and Maintenance	VSS Pro, Shepherd	VSS Pro, Shepherd
Dimensions	437 x 647 x 132 mm	437 x 647 x 89 mm
Advanced Features		
Cybersecurity Management	V	V
Data Magnet	V	V
Failover	V	V
LPR Solution	V	V
Smart VCA Event	V	V
Smart Search II	V	V
Deep Search	V	V
NDAA Compliance Product	V	V

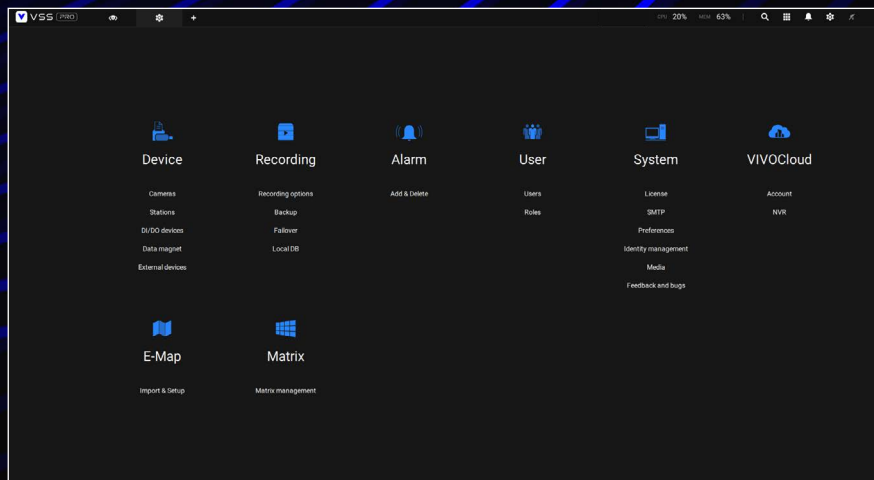
VAST Security Station

VIVOTEK Video Management Software

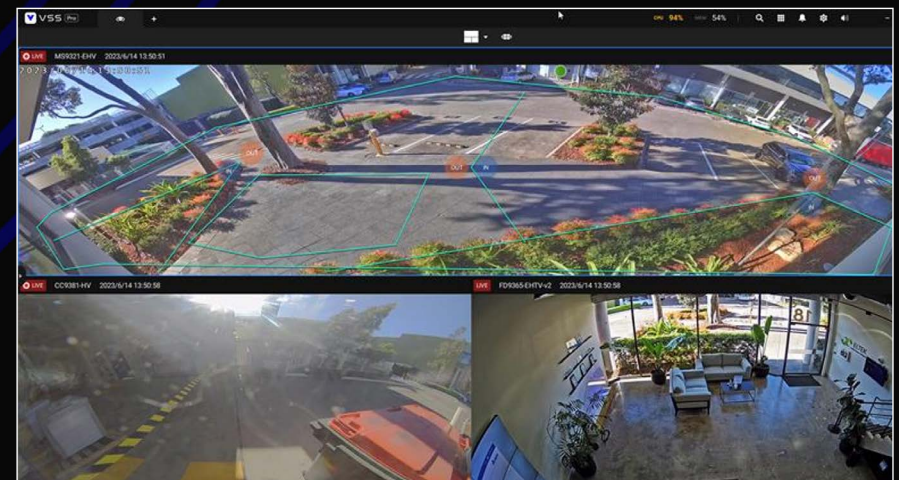
VAST Security Station (VSS) is a video management software with an intuitive, user-friendly interface designed to help customers efficiently set up and manage projects. Its centralized management supports easy scalability, from single shops to multi-site deployments, while seamlessly integrating with VIVOTEK's wide range of network devices, such as cameras, NVRs, PoE switches, and IP audio systems, to meet various surveillance needs.

Ease of use

Feature-rich through minimal installation

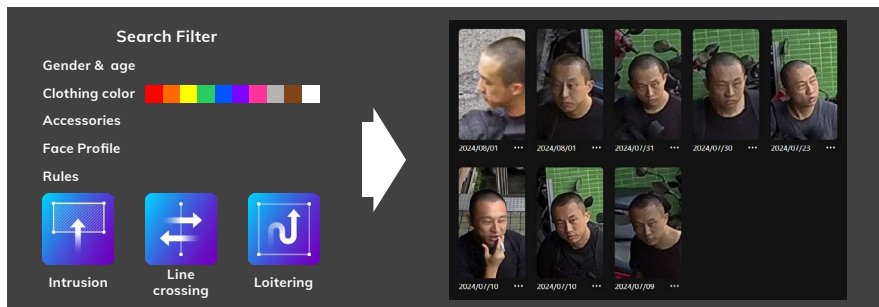


Design with streamlined user interface



Automate Your Operation

Find footage in seconds with Deep Search

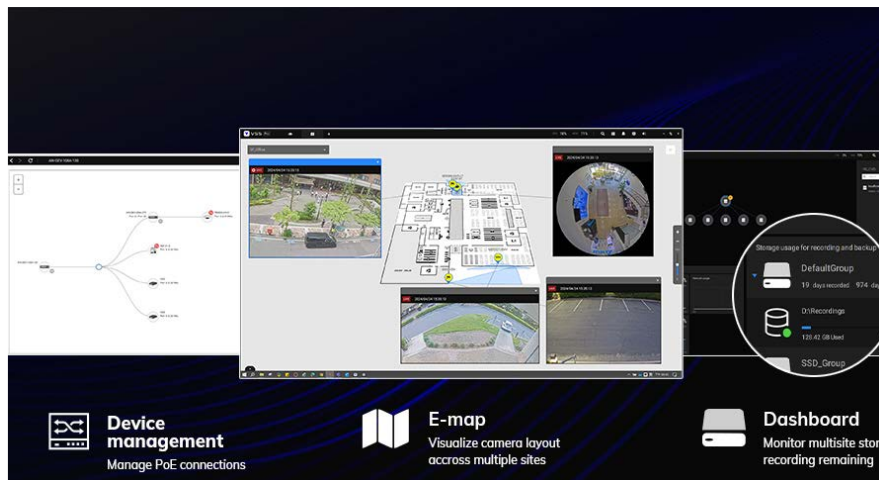


Export evidence with ease



Seamlessly Integrate with VIVOTEK Device

Adaptable for expansion and centralized



Optimal choice for VIVOTEK devices



VAST Security Station



Product Edition	VSS Lite	VSS Standard	VSS Professional
Product Overview	Free entry-level VMS for basic surveillance needs	Cost-effective solution for small and mid-size business	Designed for mid-size to large-scale projects requiring central management and 24/7 operations
Deployment			
Maximum Number of Cameras Per Server	32	256	320
Maximum Number of Clients Per Server	200	200	200
Maximum Number of Substations Per System	0	64 (ND/NV series NVR)	700 (ND/NV series NVR, VSS Pro NR series NVR, VSS Professional Station)
Maximum Number of Cameras Per System	32	256	22,400
Key Features			
Live view	✓	✓	✓
Recording	✓	✓	✓
Playback	✓	✓	✓
Backup	✓	✓	✓
Event	✓	✓	✓
Dashboard	✓	✓	✓
Alarms	-	✓	✓
E-map	-	✓	✓
Counting Report	-	✓	✓
Video Wall (Matrix)	-	-	✓
Search			
Bookmark Search	✓	✓	✓
Event Search	✓	✓	✓
Alarm Search	-	✓	✓
Smart Search	-	✓	✓
Deep Search	Object Search	-	✓
	Attribute Search	-	✓
	Scene Search	-	✓
	Re-Search	-	-
	Case Vault	-	-



Product Edition	VSS Lite	VSS Standard	VSS Professional
Product Overview	Free entry-level VMS for basic surveillance needs	Cost-effective solution for small and mid-size business	Designed for mid-size to large-scale projects requiring central management and 24/7 operations
User Management			
User Role	Administrator	V	V
	Customizable	V	V
	User Pre-defined	-	V
Video Encryption			
Digital Watermark	V	V	V
Exported Video Encryption		V (AES-256 CTR)	
Recording Encryption	-	-	V (AES-256 CTR)
Export			
Exported Video Mask	-	-	V
Device Compatibility			
Camera		VIVOTEK 9000 series	
3rd Party Video Source	-	ONVIF, RTSP	ONVIF, RTSP
Substation	-	VIVOTEK ND/NV 9000 series NVR	VIVOTEK ND/NV 9000 series NVR, VSS NR series NVR, VSS Professional Station
Joystick	-	V	V
Network Audio Device	-	V	V
Wiegand Converter	-	V	V
I/O Box	-	V	V
Access Control	-	V	V
Managed PoE Switch	-	VIVOTEK L2 series, VIVOTEK Lite Managed series	VIVOTEK L2 series, VIVOTEK Lite Managed series
Integration			
Data Magnet	-	V	V
TCP Message	-	V	V
Failover			
CMS Failover	-	-	V
Substation Failover	-	-	V



Cloud Surveillance Platform

A hybrid cloud architecture and intuitive platform enable seamless integration, allowing teams of any skill level to deploy VORTEX across multi-site environments with ease.

Why VORTEX Cloud ?

Scalability and Flexibility

- Lower upfront costs
- No need to worry about infrastructure changes

Accessibility

- Access anywhere, anytime, any device
- User-friendly Interface for Swift Adaptation
- Native Support for Mobile and Desktop Browser

Quick Deployment & Maintenance-free

- Easily add with QR code
- Manage and configure devices in one platform
- OTA firmware upgrade
- Remote troubleshooting

Cybersecurity and Data Privacy

- Data protection measures
- Role-based access control

Open API & Integrations

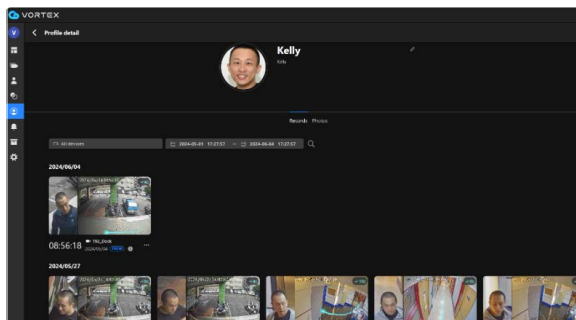
- RTSP supported
- Webhook supported
- Access control integration

Easily Add with QR code

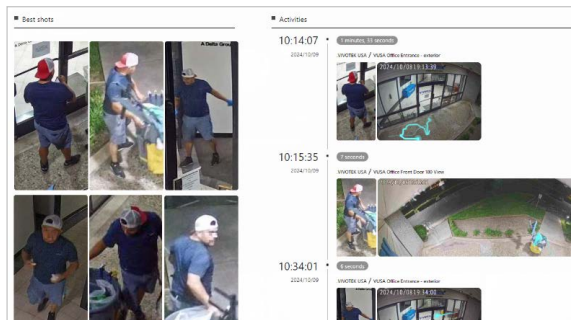
- Edge AI and deep search for quick investigation
- Human/ vehicle identification and path detection
- Real-time alerts for immediate actions

Get More Added Value with VORTEX

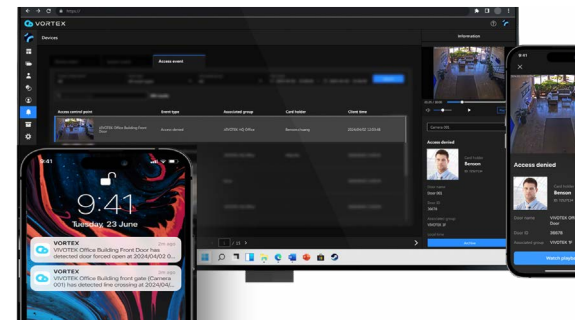
Turn Hours Into Seconds with Deep Search



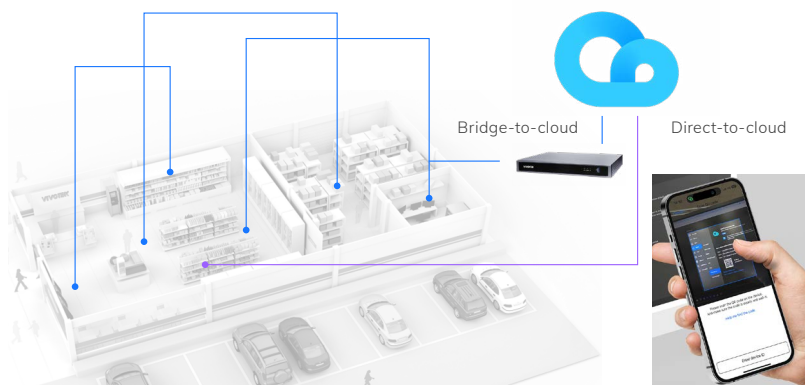
Streamline Case Management with Case Vault



Integration with Access Control



Frictionless Transition To The Cloud



Bridge Existing Cameras with Embedded NVR and VORTEX Connect

- No network camera replacement
- No impact on infrastructure
- ONVIF Profile S supported by V-series Embedded NVR
- Power delivery through NVR PoE ports, no network switch required
- Expandable and redundant recording with cloud

Flexible Scaling with Direct-to-cloud VORTEX Cameras

- Scale with one camera as a unit, no NVR required
- Scan-and-connect with QR code; zero configuration
- Expandable and redundant recording with cloud



Explore more in
VORTEX Brochure

PoE Network Products

A full range of products designed for video surveillance systems, including power-surge prevention from lightning strikes, network management, multiple topology views of cameras, and more.



Network & PoE Management

- L2 Network Function
- PoE on/off Control for Each Port
- Cable Diagnostic



Industrial & Outdoor Ready

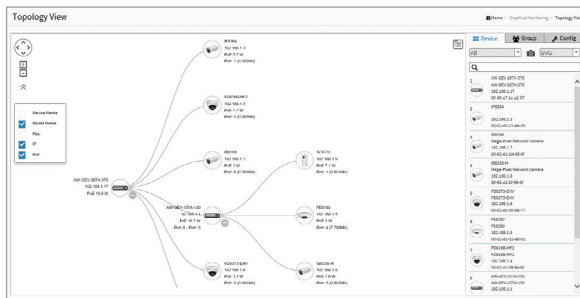
- Wide Temperature Support
- IP67 and IK10 Certified
- Built-In Surge Protection



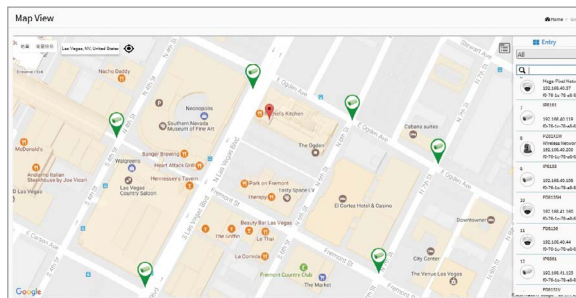
Long Range PoE Extension

- 200~300m PoE Delivery
- Support Multiple Cameras with a Single Power Source
- Outdoor-Ready Housing

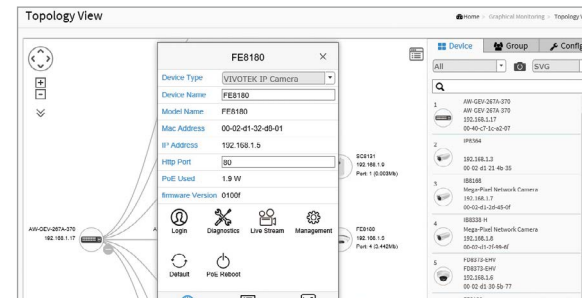
Intuitively Managing IP Surveillance



Topology View



Map View



Device Management

Commercial PoE



Model	AW-GTS-287A
Type	10G L2+ Managed Switch
Ethernet Port	20xGbE SFP + 4xGbE Combo
Uplink Port	4x10G SFP
Console Port	RJ45
Surveillance Feature	Topology View/ Floor View/ Map View
DHCP Server	V
VLAN	802.1Q Tag-based/ Port-based
Spanning Tree Protocol	STP/ RSTP/ MSTP
SNMP (v1, v2c, v3)	V

Model	AW-GEV-108A-130	AW-GEV-288A-370
Type	VIVOCAM L2 Managed PoE Switch	
PoE port	2xGbE bt 90W PoE + 6xGbE 30W PoE	4xGbE bt 90W PoE + 20xGbE 30W PoE
Uplink Port	2xGbE Combo	4xGbE Combo
Console Port	RJ45	RJ45
PoE Power Budget	130W	370W
Surveillance Feature	Topology View/ Floor View/ Map View	Topology View/ Floor View/Map View
Extended Mode	250M/10Mbps	250M/ 10Mbps
Non-Stop PoE	V	V
DHCP Server	V	V
VLAN	802.1Q Tag-based/ Port-based	802.1Q Tag-based/ Port-based
Spanning Tree Protocol	STP/ RSTP/ MSTP	STP/RSTP/ MSTP
SNMP (v1, v2c, v3)	V	V

Commercial PoE



AW-GEL-065A-060



AW-GEL-105A-110



AW-GEL-205A-260



AW-GEL-285A-380

Type	Lite Managed PoE Switch			
PoE port	4xGbE PoE	2xGbE bt 90W PoE + 6xGbE 30W PoE	4xGbE bt 90W PoE + 12xGbE 30W PoE	4xGbE bt 90W PoE + 20xGbE 30W PoE
Uplink Port	2xGbE RJ45	1xGbE UTP + 1xGbE SFP	2xGbE UTP + 2xGbE SFP	2xGbE UTP + 2xGbE SFP
PoE Power Budget	60W	110W	260W	380W
Extended Mode	250M/ 10Mbps	250M/10Mbps	250M/ 10Mbps	250M/ 10Mbps
Non-Stop PoE	√	√	√	√
VLAN	802.1Q Tag-based/ Port-based	802.1Q Tag-based/ Port-based	802.1Q Tag-based/ Port-based	802.1Q Tag-based/ Port-based
Spanning Tree Protocol	STP/ RSTP	STP/ RSTP	STP/ RSTP	STP/ RSTP
LACP	√	√	√	√



AW-FET-060P-060



AW-FGT-100P-110



AW-FGT-180P-250



AW-FGT-260P-370

Type	Unmanaged FE PoE Switch			
PoE port	4xFE 30W PoE	8xFE 30W PoE	16xFE 30W PoE	24xFE 30W PoE
Uplink Port	2xFE RJ45	2xGbE Combo	2xGbE Combo	2xGbE Combo
PoE Power Budget	60W	110W	250W	370W
Adaptive Extended Mode	4 ports 250/ 10Mbps	8 ports 250M/ 10Mbps	16 ports 250M/ 10Mbps	24 ports 250M/ Mbps
VLAN	√	√	√	√
Video QoS	√	√	√	√
PD Alive	√	√	√	√

Industrial PoE



Model **AW-IHT-1271**

Type	Industrial VIVOCAM L2+ Managed PoE Switch	
PoE port	8xGbE 30W PoE	
Uplink Port	4xGbE SFP	
Console Port	RJ45	
PoE Power Budget	240W	
Operating	-40°C ~ 75°C	
Surveillance Feature	Topology View/ Floor View/ Map View	
Extended Mode	250M/10Mbps	
Non-Stop PoE	√	
DHCP Server	√	
VLAN	802.1Q Tag-based/ Port-based	
Spanning Tree Protocol	STP/ RSTP/ MSTP	
SNMP (v1, v2c, v3)	√	



Model **AW-GTS-287A**

Type	Industrial Lite Managed PoE Switch	
PoE port	2xGbE bt 90W PoE + 6xGbE 30W PoE	
Uplink Port	2xGbE SFP	
PoE Power Budget	300W	
Extended Mode	250M/ 10Mbps	
Operating Temperature	-40°C ~ 75°C	
Non-Stop PoE	√	
VLAN	802.1Q Tag-based/ Port-based	
Spanning Tree Protocol	STP/ RSTP	
LACP	√	



Model **AW-IHT-0602**

Type	Industrial M12 PoE Switch	
PoE port	4xM12 D-coded PoE	8xM12 D-coded PoE
Uplink Port	2xM12 D-coded	2xM12 X-coded
PoE Power Budget	120W	165W@24VDC, 190W@48VDC
Operating Temperature	-40°C ~ 75°C	-40°C ~ 75°C
Bypass Relay	-	√



Model **AW-IHT-1002**



Model **AW-IHB-0100**

Type	Industrial PoE Injector	
Power Input	48~56VDC for 30W 802.3af/at 52~56VDC for 90W 802.3bt	
Power Output	1xGbE 90W bt PoE	
Operating Temperature	-40°C ~ 75°C	

Network Audio

Effective Action for Proactive Deterrence



Audio for Security

Event-triggered audio announcements to improve property security.



Loitering Alerts

When a person is loitering beyond a preset time limit, an audio warning can be produced.



Automated Audio Clips

Support broadcasting live announcements or pre-recorded audio clips automatically when VAST Security Station alarm management is triggered.



Deter Crime and Safeguarding

Prevent financial damage from graffiti, breaking and entering, or other criminal acts through proactive audio alarms.

Network Audio



AU-003



AU-004

Type	Network Horn Speaker	
Product Information		
Rated Impedance	8 ohm	8 ohm
PoE standard	IEEE 802.3af	IEEE 802.3af
Max. power consumption	15W	15W
Max. Sound Pressure Level	113 dB	96 dB
Microphone	50Hz-20kHz at 1Pa 50cm distance SPL 115dB at 1kHz	50Hz-20kHz at 1Pa 50cm distance SPL 115dB at 1kHz
Network		
Supported Protocols	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP	
Audio Codec	OPUS 48 kHz, MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA, 8 kHz	
General		
Casing	ABS IP66 water-proof	Metal
Power	PoE, DC 12-24V	PoE, DC 12-24V
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Dimensions	225 x 165 x 240 mm	Ø 200 x 90 mm
Weight	1.3 kg	1 kg
Certifications	CE, FCC, VCCI, BSMI	CE, FCC, VCCI, BSMI

Solution Integration Alliance

The SIA (Solution Integration Alliance) Program is a strategic alliance that aims to facilitate the integration of VIVOTEK products into leading software or hardware platforms. With the SIA Program, partners have the flexibility to enhance key functionalities when creating an IP surveillance solution. The SIA Program provides programmable Software Development Kits (SDK) to allow partners to develop customized features on an open platform, allowing the highest possible level of integration. VIVOTEK also provides technical support throughout the development process.

Find out more about enrolling in the VIVOTEK SIA Program, please email sia@vivotek.com for more information.

Application Partner



Video Management Partner



Hardware Partners



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