

VIVOTEK

A Delta Group Company



PRODUCT BROCHURE

IP Surveillance Solutions



VIVOTEK

A Delta Group Company

As one of the world's most trusted IP surveillance solutions provider, we deliver intelligent security, control, and management for a safer society. Founded in Taiwan in 2000, we are widely recognized for our expansive technical capabilities in imaging and audio, specializing in IP cameras, video management software, and edge based AI video analytics. In 2017, we joined the Delta Group, a global leader in power and thermal management solutions, to serve as the security and intelligence core of Delta Building Automation Business.

We Get The Picture

With more than 20 years at the forefront of the industry, we've driven breakthroughs in R&D, and built a solid technological foundation for the industry. It's based on these two decades of experience that we have the expertise to know what keeps business owners and security operators up at night.

Global Presence

Via a global network of more than 180 distributors in more than 100 countries, we serve system integrators building intelligent solutions for end-users around the world. VIVOTEK Inc. (TAIEX: 3454) was listed on the TWSE in 2011, and we have established offices in the U.S., Netherlands, India, Mexico, and Japan.

Smarter Is Safer

Our AI-powered video analytics deliver improved overviews and real-time insights, giving security operators the information they need, when they need it, to ensure safe and secure operations. With intelligent technologies integrated into our surveillance solutions, users have the peace of mind that their sensitive information is secured against prying eyes.

Trusted Quality

Choosing VIVOTEK means choosing quality you can trust. We develop, test, and manufacture our industry leading products, technologies, and solutions in-house, meeting the highest international standards and regulations for quality management and environmental responsibility.

Seamless Integration, Meaningful Connection

The most robust and effective solutions for keeping people, assets, and data safe require many varied technologies to work seamlessly together. Our innovative surveillance solutions unlock new possibilities for a wide range of vertical applications, leveraging our two decades of industry expertise and global strategic partnerships.

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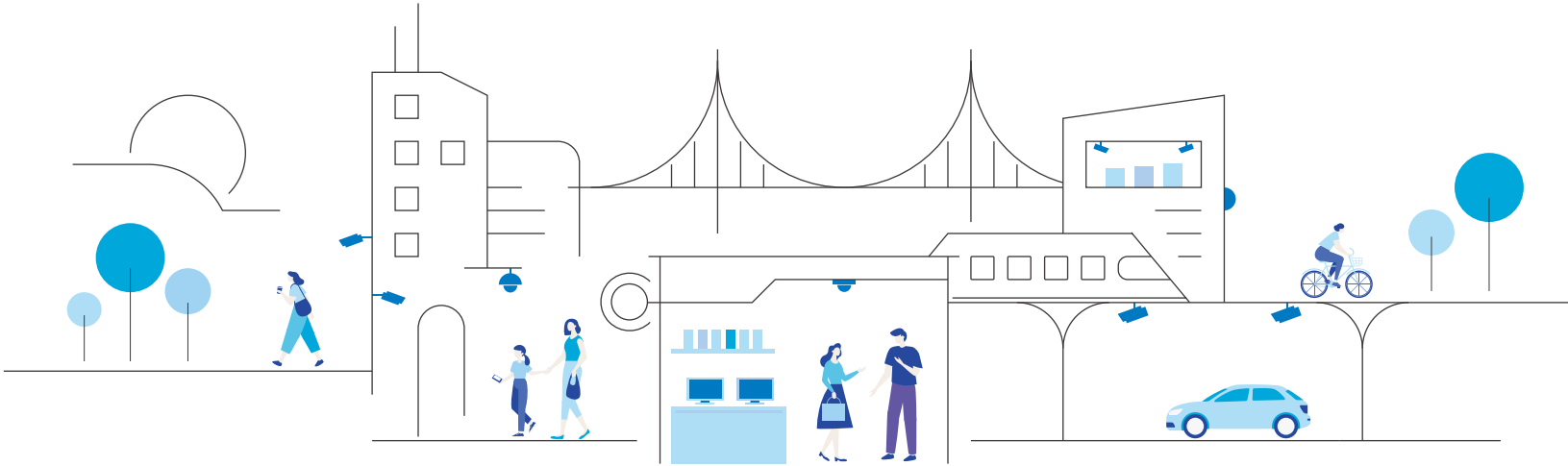
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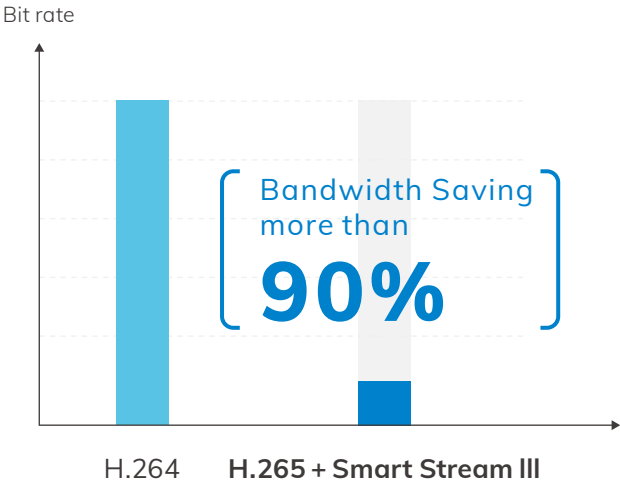
SIA 98



Advanced Technology

Smart Stream III

VIVOTEK Smart Stream III combines Smart Codec, Dynamic Intra Frame Period, Scene Awareness and Smart FPS technologies to enable the cameras to optimize quality for desired regions and automatically adjust encoding, maximizing bandwidth usage efficiency and lowering storage requirements while maintaining high image quality.



Security at the Edge



Secure Boot

Secure boot is a mechanism that protects the firmware of the product installed by VIVOTEK. During the camera boot up process, secure boot ensures that unauthenticated code is rejected and protects the camera system from attacks or infections by malicious external code.



Signed Firmware

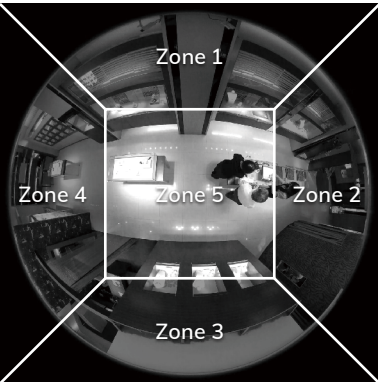
VIVOTEK's signed firmware requires a digital signature in the firmware and verification of the signature by VIVOTEK, thereby ensuring that users can trust the firmware has not been tampered with. A device with signed firmware can validate the firmware before allowing installation.

Smart IR II

Adaptive IR

The best possible IR image via adjusting IR illuminators to the scene (simultaneously or individually).

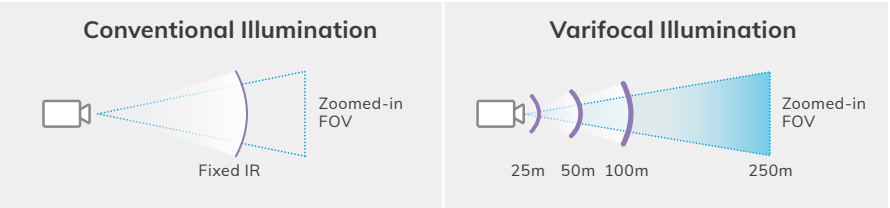
- Independent IR control for regional illumination
- Background clarity
- Automatical IR dimming
- Reduce glaring hotspots or underexposed dark regions



Vari-Angle IR

Automatic IR angle adjustment to the optical zoom provides consistent IR images in all fields of view.

- Effortless IR angle adjustment
- Wide coverage of field of view
- No IR hot-spot issues
- Long-range IR illumination



SNV II

SNV stands for Supreme Night Visibility. VIVOTEK SNV II-label products incorporate carefully selected quality optical components and sophisticated image signal processing algorithms to reproduce high quality color images, even in very low-light conditions.



Installation Aids

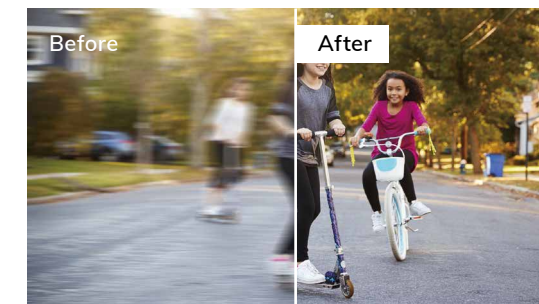
Various Helpful Features to Simplify the Installation Process

Installation-friendly Modular Mechanical Design

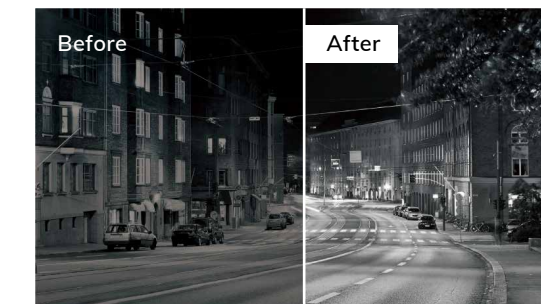
VIVOTEK's brand new mechanical design has made the installation process easier than ever before. The new modular design greatly reduces installation times and costs, allowing installers to take on more projects.



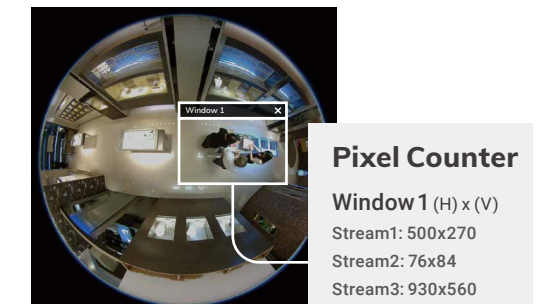
Direct Network Access for Installation via USB Wi-Fi Adapter (*Available on selected models)



Speed Focus
for clearer images around the clock



Automatic IR Angle Adjustment
for Best Possible IR Image

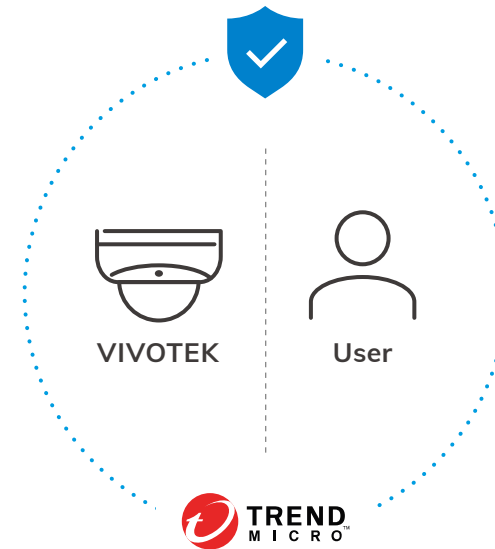
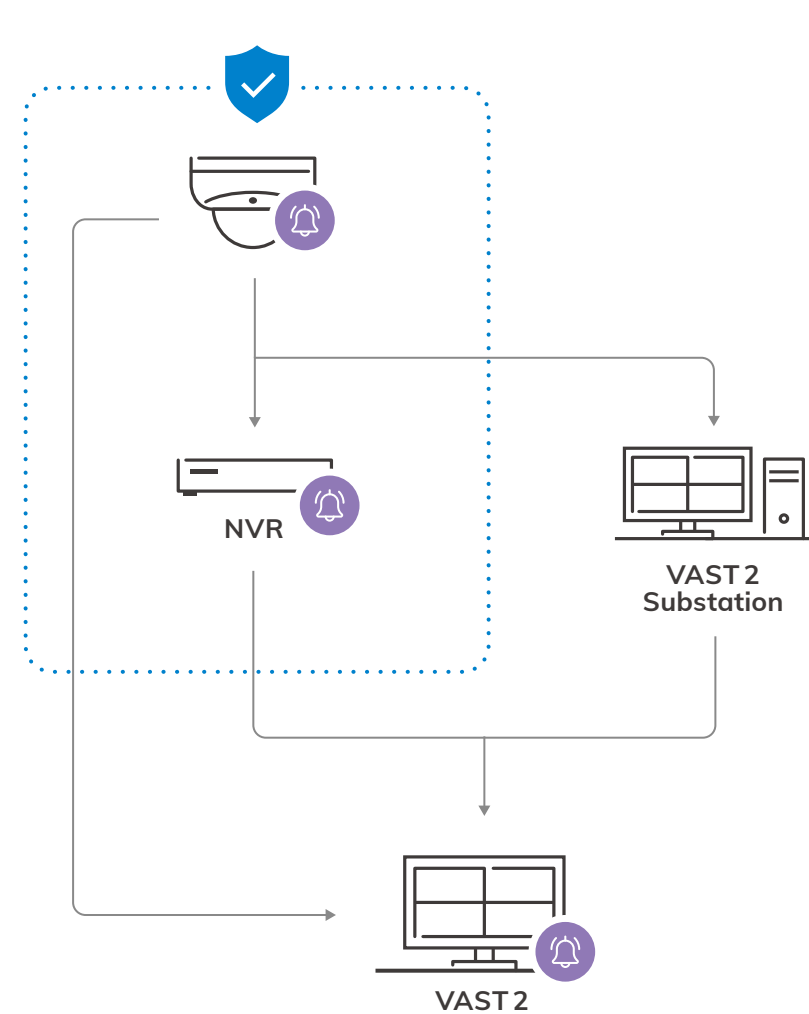


Visual Pixel Calculator
To achieve handy operational requirements

* Available on selected models

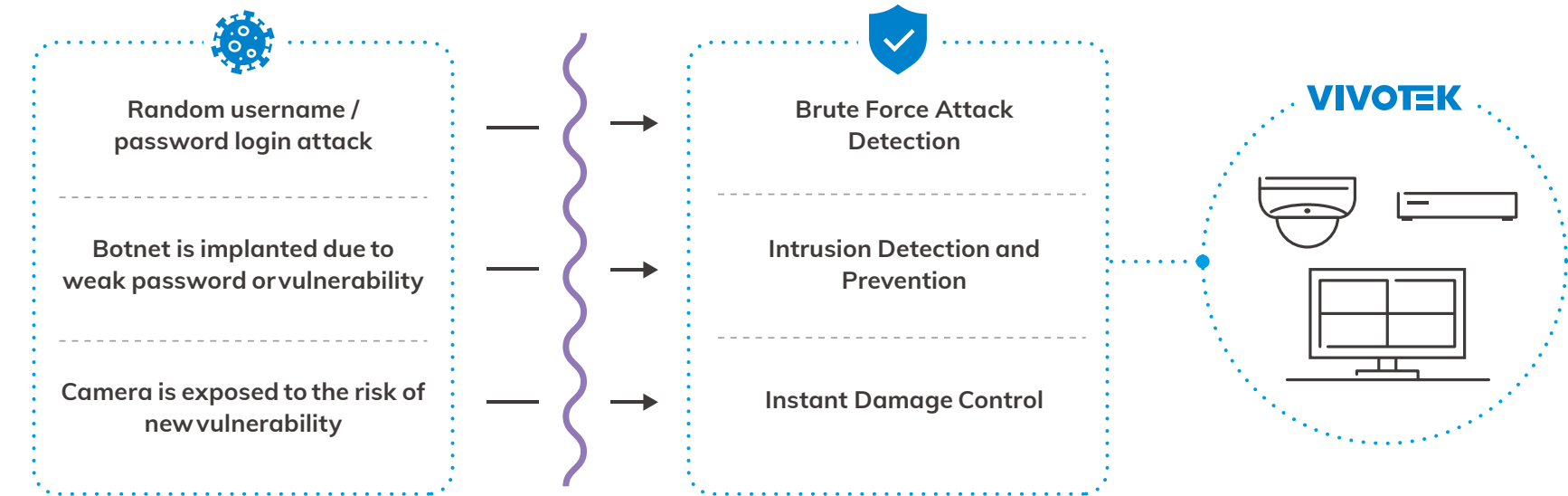
Security within Security

Cybersecurity Management Solution



VIVOTEK's cybersecurity assurance efforts are built into the lifecycle of our products, including development, verification, manufacturing, delivery and service. We are constantly evaluating and enhancing our cybersecurity efforts in order to provide our valued customers with the highest quality and most reliable products. By cooperating with the world-renowned cybersecurity company, Trend Micro, and announcing the hardening procedure to users, VIVOTEK is committed to helping minimize and stopping such events from affecting our customers and products.

Multi-Layered Protection for Surveillance Cameras



Multi-Layered Protection with Trend Micro IoT Security

Multi-Layered Protection including Brute Force Attack Detection, Intrusion Detection and Prevention, and Instant Damage Control will automatically secure your network system with the latest signature upgrades.

Cybersecurity Alarm Management with Instant Alerts

Once event notifications in network cameras and VAST 2 VMS have been set up, VIVOTEK's surveillance solution will be immediately alerted when cyberattacks occur.

Event Reports with Cyber Risk Dashboard

Quickly know attack trend and status, and acquire attack information in order to diagnose your network promptly on VIVOTEK's VAST 2 VMS and NVRs.

Video Content Analysis

Deep Learning Technology



Smart Motion Detection



Loitering Detection



Intrusion Detection



Running Detection



Line Crossing Detection



Face Detection



Missing Object Detection



Unattended Object Detection



Parking Violation Detection

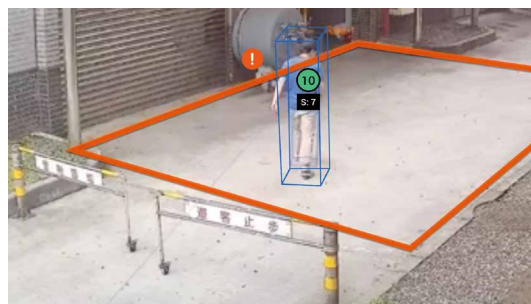


Crowd Detection



Smart Motion Detection

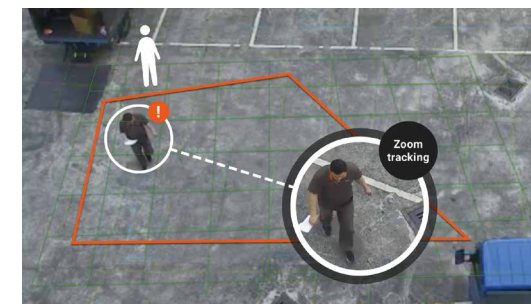
Recognize human activities with precision, with no negative impact from changes in lighting, shadows, adverse weather, or other factors. Smart Motion Detection greatly reduces the amount of false alarms, and provides continued intelligent protection of people.



Smart VCA

The on-board Smart VCA suite includes 8 advanced video analytics, providing smart-edge cameras the ability for advanced accuracy in people and object detection. It is easily configurable to meet diverse user application requirements.

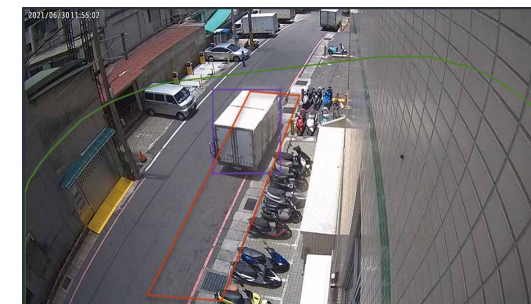
- Crowd Detection
- Line Crossing Detection
- Intrusion Detection
- Loitering Detection
- Missing Object Detection
- Unattended Object Detection
- Face Detection
- Running Detection



Smart Tracking Advanced

Smart Tracking Advanced is an innovative Deep Learning Technology for VIVOTEK's new PTZ cameras designed to increase effectiveness when automatically tracking people in motion. It is especially effective for applications and situations in which individuals require special attention, such as bank vaults, or parking facilities after working hours.

- Line Crossing Detection
- Intrusion Detection
- Loitering Detection
- Face Detection

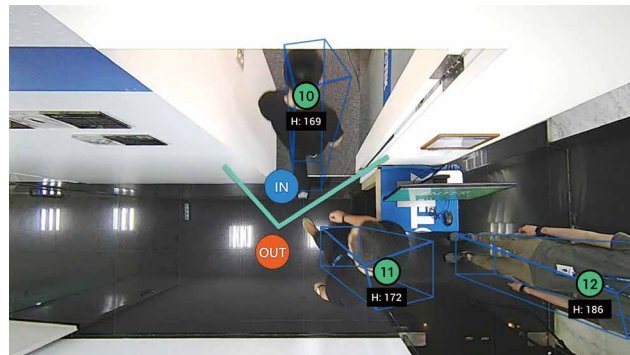


Parking Violation Detection

Parking Violation Detection can detect when vehicles enter a restricted area. Restricted areas may include fire hydrants, police stations, airport passenger pickup, and bicycle lanes. This can be used to detect illegally parked vehicles in order to reduce traffic congestion.

Video Content Analysis

Deep Learning Technology



3D People Counting

VIVOTEK offers highly accurate visual counting solutions for both retail and transportation industries.

RECOMMENDED

Retail

Accurately obtain customer foot traffic data and effortlessly optimize store management. Furthermore with the capability to stitch multiple counting cameras together, users can efficiently manage systems covering expansive floor plans.



SC8131

Transportation

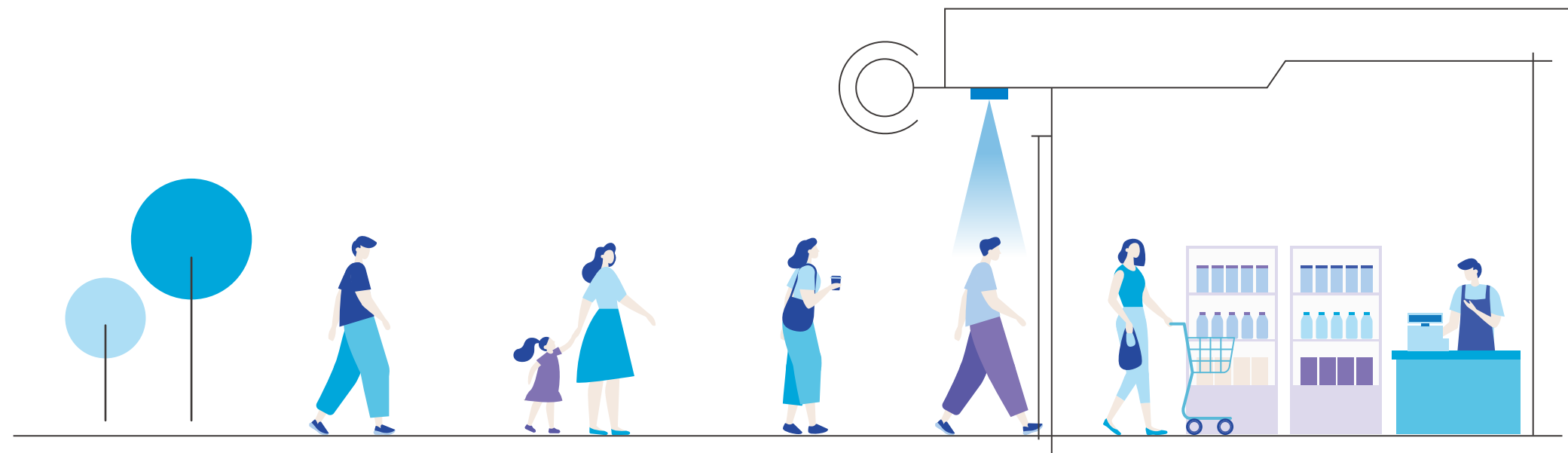
3D Automatic Passenger Counting (APC) is purpose-built for onboard rolling stock and transit vehicle applications, empowering users to receive valuable passenger-flow data for route schedule and ticketing optimization.



SC8132



SC8133



Maintain Crowd Occupancy with VIVOTEK Crowd Control Solution

Network Cameras

180° Panoramic Cameras	18	Box Cameras	36
360° Fisheye Cameras	20	Transportation Cameras	38
Multi-Sensor Cameras	23	Thermal Cameras	40
Fixed Dome Outdoor Cameras	25	License Plate Capture Cameras	42
Fixed Dome Indoor Cameras	29	License Plate Recognition Cameras	44
Bullet Cameras	32	Speed Dome Cameras	46



Naming Rule

For Network Camera Model

SD	9	3	6	2	-	EH	-	v2
1-2 nd	3 rd	4 th	5 th	6 th		7 th		8 th

1-2 nd Model Category	
Code	Description
CC	Compact Cube Camera
CD	Corner Camera
CU	Camera Unit
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	Stereo Camera
SD	Speed Dome Camera
TB	Thermal Bullet Camera
VC	Video Core
VS	Video Server

3 rd A/V Type	
NO.	Description
8	H.264 / MJPEG
9	H.265 / H.264 / MJPEG

4 th VC Series - Amount of Channel	
NO.	Description
1 - 9	1 - 9 Channel

4 th IP Camera Type	
NO.	Description
1	Indoor IP Camera
3	Outdoor IP Camera
5	Mobile Certified

5 th IP Camera - Resolution	
NO.	Description
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

6 th Running Number	
NO.	Description
-	1 - 99

7 th Extension/Feature	
NO.	Description
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

8 th Digit Extension	
NO.	Description
v	1 - 99
A	A-Z
O	OSSA

SVC Definition

S SERIES	Description
	Top tier, cutting edge technology
	Definition
	Supreme Products

V SERIES	Description
	Advanced and feature rich for most applications
	Definition
	Standard Products

C SERIES	Description
	Cost effective models for professional surveillance
	Definition
	Cost Effective Products

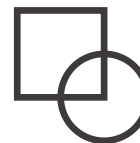
180° Panoramic Cameras

End to End Coverage with VIVOTEK Panoramic Cameras



180° Views

Through a single fisheye lens or multiple sensors stitched together, VIVOTEK panoramic IP cameras provide excellent 180° coverage to cover open areas



Variety

VIVOTEK offers 180° panoramic coverage in small and large form factors, ensuring a solution for all situations



WDR Pro Technology

WDR Pro technology enables image clarity in high contrast environments, essential for panoramic cameras' super-wide FOV

180° panoramic



Network Cameras

180° Panoramic Cameras				
	20 Megapixel	8 Megapixel	5 Megapixel	
				
				
Model	MS9321-EHV	MS9390-HV	CC9380-HV	CC9381-HV
Camera Features				
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Fixed / 3.8 mm/ F1.8	Fixed / 2.8 mm/ F1.2	Fixed/ 1.45 mm/ F2.2	Fixed / 1.45 mm/ F2.2
Field of View	180° (H) 65° (V)	180° (H) 50° (V)	180° (H) 120° (V)	180° (H) 120° (V)
Day/Night	●	●	●	●
IR Illuminators	30 m, IR LED*4	20 m	-	15 m
Min. Illumination	0.095 lux @ F1.8 (Color) 0.005 lux @ F1.8 (B/W) 0 lux with IR illumination on	0.05 lux @ F1.2 (Color) 0.01 lux @ F1.2 (B/W) 0 lux with IR illumination on	0.11 lux @ F2.2 (Color) 0.01 lux @ F2.2 (B/W)	0.11 lux @ F2.2 (Color) 0.01 lux @ F2.2 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 7680x2560 (WDR on)	30 fps @ 4512x1728	20 fps @ 2560x1920 (WDR on) 30 fps @ 2560x1920 (WDR off)	20 fps @ 2560x1920 (WDR on) 30 fps @ 2560x1920 (WDR off)
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network				
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	One-way Audio	One-way Audio	One-way Audio
Digital Input/ Output	1/1	-	-	-
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S/T
Solution Integration				
VIVOCLOUD	-	-	-	-
Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	-	-
General				
Power Input/ Consumption	AC 24V/ PoE Max. 24.65 W	PoE/ Max. 15.2 W	PoE/ Max. 5 W	PoE/ Max. 9.1 W
Housing	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Dimensions	308 x 167 x 130 mm (w/o junction box) 369 x 167 x 132 mm (w/ junction box)	Ø165 x 112 x 97 mm (w/o sunshield) Ø165 x 119 x 100 mm (w/ sunshield)	115 x 65 x 59 mm	159.9 x 71.92 x 60.2 mm (Dome to rear panel), 39.2 mm (Flat to rear panel)
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)
NDAA Compliance Product	-	-	●	●

*WDR Enhanced: Digital WDR

*WDR Pro: The dynamic range is between 100dB and 140dB.

*WDR Pro II: The dynamic range is higher than 140dB.

* All specifications are subject to change without notice.

360° Fisheye Cameras

A Whole Different Perspective with Fisheye Cameras



360° Views

With fisheye lenses, VIVOTEK fisheye IP cameras can cover 360° with no blind spots, excellent for full situational coverage



Dewarping Technology

VIVOTEK fisheye lens dewarping technology enables users to target specific areas with different viewing modes



Smart IR II*

With Smart IR II infrared illuminators, users can see in all directions up to 20m in total darkness

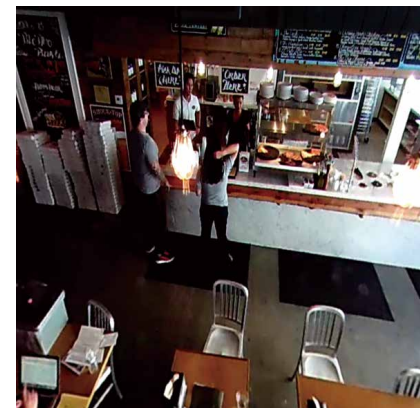


AI-Powered Video Analytics*

VIVOTEK's Smart VCA is a suite of multiple analytics that provide faster and more accurate detection for various scenarios



10



1R

* Available on selected models

Network Cameras

360° Fisheye Cameras					
	12 Megapixel			6 Megapixel	5 Megapixel
	 	 	 	 	 
Model	FE9391-EHV-v2	FE9191-H-v2	FE9192-H-v2	FE9382-EHV-v2	FE9380-HV
Camera Features					
Sensor Type	1/2.3" Progressive CMOS in 4056x3040	1/2.3" Progressive CMOS in 4056x3040	1/2.3" Progressive CMOS in 4056x3040	1/1.8" Progressive CMOS in 3840x2160	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Fixed / 1.22 mm / F1.8	Fixed / 1.22 mm / F1.8	Fixed / 1.22 mm / F1.8	Fixed/ 1.245 Ømm/ F1.6	Fixed/ 1.16 Ømm/ F2.25
Field of View	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)
Day/Night	●	●	●	●	●
IR Illuminators	20 m, IR LED*4	-	-	20 m, IR LED*4	10 m, IR LED*4
Min. Illumination	0.1 lux @ F1.8 (Color) <0.005 lux @ F1.8 (B/W) 0 lux with IR illumination on	0.1 lux @ F1.8 (Color) <0.005 lux @ F1.8 (B/W)	0.1 lux @ F1.8 (Color) <0.005 lux @ F1.8 (B/W)	0.065 lux @ F1.6 (Color) <0.001 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.05 lux @ F2.25 (Color) <0.005 lux @ F2.25 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 2944x2944	30 fps @ 2944x2944	30 fps @ 2944x2944	30 fps @ 2048x2048	30 fps @ 1920x1920
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	One-way Audio	One-way Audio	Two-way Audio (Full duplex) (optional accessory)	One-way Audio
Digital Input/ Output	1/1	-	-	1/1 (optional accessory)	-
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S/T
Solution Integration					
VIVOCLOUD	●	●	●	-	●
Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	-
General					
Power Input/ Consumption	PoE / Max. 22.5 W	PoE / Max. 9.3 W	PoE / Max. 9 W	PoE/ Max. 9.8 W	PoE/ Max. 12 W
Housing	IP66, IK10, NEMA 4X	-	-	IP66, IK10, NEMA 4X	IP66, IK10
Dimensions	ø 150 x 68 mm	ø 95 x 54 mm	ø 82 x 122 mm	ø 150 x 68 mm	ø 150 x 68 mm
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 55°C (-40°F ~ 131°F)	-30°C ~ 60°C (-22°F ~ 140°F)
NDAA Compliance Product	●	●	●	●	●

* All specifications are subject to change without notice.

Network Cameras

360° Fisheye Cameras

5 Megapixel



Model	FE9180-H
Camera Features	
Sensor Type	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Fixed/ 1.16 Ømm/ F2.25
Field of View	180° (H) 180° (V)
Day/Night	-
IR Illuminators	-
Min. Illumination	0.25 lux @ F2.25 (Color), 50IRE 0.13 lux @ F2.25 (Color), 30IRE
Max. Resolution/ Frame Rate	15 fps @ 1920x1920
WDR Technology*	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network	
Video Compression	Triple-Codec (H.265/H.264/MJPEG)
Audio	One-way Audio
Digital Input/ Output	-
ONVIF	Profile G/S
Solution Integration	
VIVOCloud	●
Security	-
VCA	-
General	
Power Input/ Consumption	PoE/ Max. 3.6 W
Housing	-
Dimensions	Ø 94 x 39 mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
NDAА Compliance Product	-

Network Cameras

Multi-Sensor Cameras

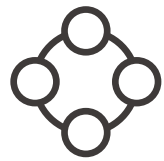
20 Megapixel



Model	MA9321-EHTV	MA9322-EHTV
Camera Features		
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Motorized/ 3.7 ~ 7.7 mm/ F1.9 ~ F2.9	Motorized/ 3.7 ~ 7.7 mm/ F1.9 ~ F2.9
Field of View	84.4° ~ 40.0° (H) 59.8° ~ 28.6° (V)	84.4° ~ 40.0° (H) 59.8° ~ 28.6° (V)
Day/Night	●	●
IR Illuminators	-	30 m
Min. Illumination	0.095 lux @ F1.9 (Color) 0.005 lux @ F1.9 (B/W)	0.095 lux @ F1.9 (Color) 0.005 lux @ F1.9 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 2688x1920	30 fps @ 2688x1920
WDR Technology*	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network		
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)
Digital Input/ Output	1/1	1/1
ONVIF	Profile S	Profile S
Solution Integration		
VIVOCloud	-	-
Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	-	-
General		
Power Input/ Consumption	AC 24V/PoE Max. 24 W	AC 24V/ PoE Max. 25.5 W
Housing	IP66, IK10	IP66, IK10
Dimensions	Ø210 x 111 mm Ø210 x 97 mm (w/o cover plate)	Ø267x114 mm Ø275 x 118 mm (w/ bracket)
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 60°C (-40°F ~ 140°F)
NDAА Compliance Product	-	-

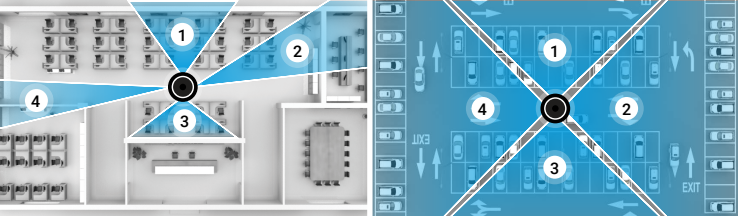
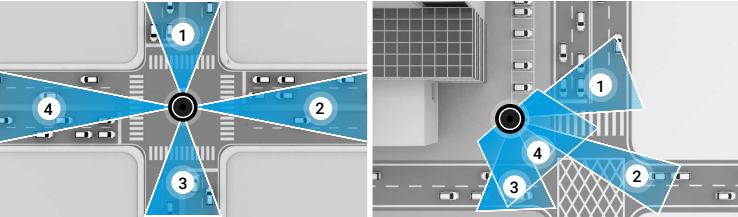
Multi-Sensor Cameras

Comprehensive Video Coverage from A Single Mounting Point



Multi-Sensor

VIVOTEK Multi-Sensor models allows users the ability to target 4 regions from a single IP address, 4 cameras in 1



*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.

* All specifications are subject to change without notice.



Fixed Dome Cameras

Supporting An Array of Environments From Indoorto Outdoor,
From Small Retail Shops to Smart City Surveillance



AI-Powered Video Analytics*

VIVOTEK's Smart VCA is a suite of multiple analytics that provide faster and more accurate detection for various scenarios.



Smart Motion Detection*

With accurate precision to detect human activity only, while also intelligently ignoring background changes in a given scene, VIVOTEK's SMD greatly minimizes the number of false alarms.



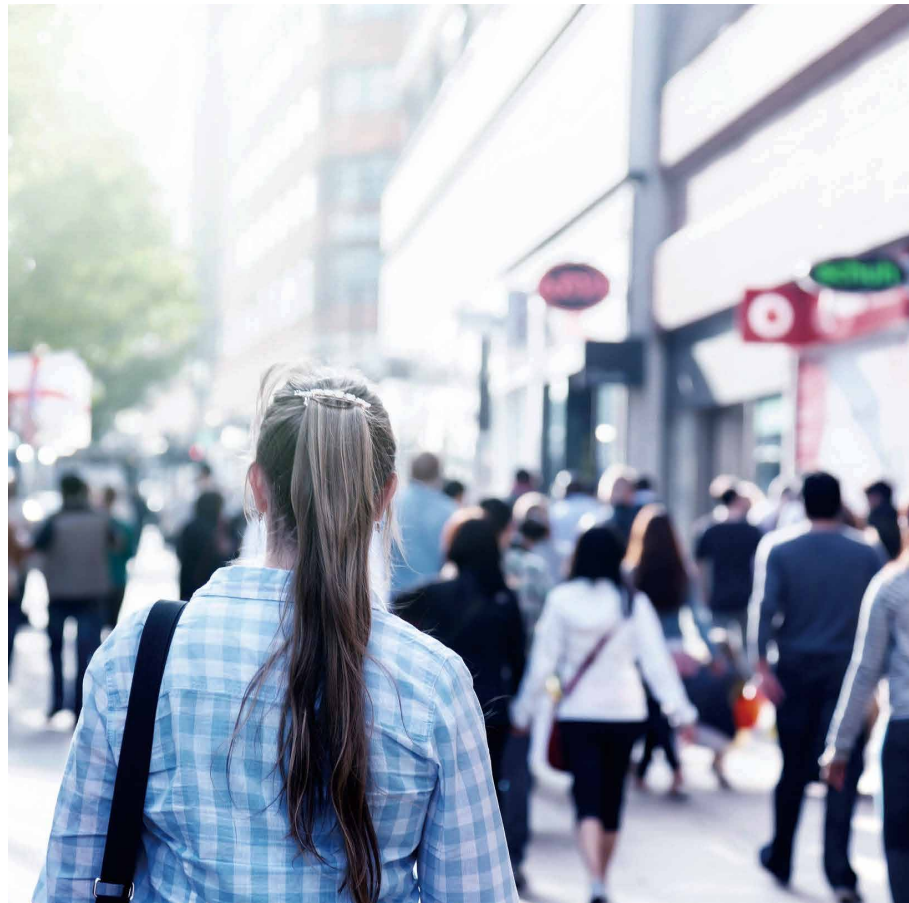
Robust Cyber Protection

VIVOTEK provides secure products with robust cyber protection empowered with firmware encryption by utilizing the expertise of Trend Micro.



Significantly Lower Bandwidth via Smart Stream III

Fully compatible with H.264 and H.265, VIVOTEK's Smart Stream III allows reducing bandwidth consumption by up to 90%.



* Available on selected models

Network Cameras

Network Cameras

Fixed Dome Outdoor Cameras					
	8 Megapixel	2 Megapixel		5 Megapixel	
					 NEW
					
Model	FD9391-EHTV	FD9365-HTV-A/EHTV-A	FD9387-HV/EHV	FD9387-HTV-A/EHTV-A	FD9389-EHV-v2
Camera Features					
Sensor Type	1/2" Progressive CMOS	1/2" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Motorized/ 3.9 ~ 10 mm / F1.5 ~ F2.7	Motorized/ 4 ~ 9 mm (2.8 ~ 11.4 mm, equivalent focal length @ 1/2.8")/ F1.3 ~ F2.2	Fixed/ 2.8 mm/ F2.0	Motorized/ 2.7 ~ 13.5 mm/ F1.4 ~ F2.8	Fixed/ 2.8 mm / F2.0
Field of View	119° ~ 45° (H) 63° ~ 25° (V)	120° ~ 46° (H) 60° ~ 26° (V)	103° (H) 76° (V)	100° ~ 30° (H) 72° ~ 23° (V)	103° (H) 76° (V)
Day/Night	●	●	●	●	●
IR Illuminators	50 m, IR LED*5	50 m, IR LED*4	30 m, IR LED*2	50 m, IR LED*4	30 m, IR
Min. Illumination	0.02 lux @ F1.5 (Color) 0.01 lux @ F1.5 (B/W) 0 lux with IR illumination on	0.015 lux @ F1.3 (Color) <0.005 lux @ F1.3 (B/W) 0 lux with IR illumination on	0.06 lux @ F2.0 (Color) <0.01 lux F2.0 (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	0.06 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 3840x2160 120 fps @ 1920x1080	60 fps @ 1920x1080	30 fps @ 2560X1920 60 fps @ 1920x1080	30 fps @ 2560X1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	One-way Audio
Digital Input/ Output	1/1	2/2	1/1	2/2	-
ONVIF	Profile G/S/T	Profile G/S	Profile G/S/T	Profile G/S	Profile G/S/T
Solution Integration					
VIVOCloud	●	-	●	-	●
Security	Signed firmware, Trend Micro Security	Trend Micro IoT Security	Signed Firmware, Trend Micro Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA
General					
Power Input/ Consumption	AC 24V / DC 12V / PoE Max. 25 W	AC 24V /DC 12V/ PoE FD9365-HTV-A: Max. 11 W FD9365-EHTV-A: Max. 21 W	AC 24V/ DC 12V/ PoE FD9387-HV: Max. 8.1 W FD9387-EHV: Max. 21.4 W	AC 24V (optional) /DC 12V /PoE FD9387-HTV-A: Max. 12 W FD9387-EHTV-A: Max. 22 W	IEEE 802.3af PoE Class 0
Housing	IP66, IP67, IK10, NEMA 4X	IP66, IP67, IK10	IP66, IP67, IK10	IP66, IP67, IK10	IP66, IK10
Dimensions	ø 155 x 138 mm	ø 155 x 104 mm	ø 155 x 104 mm	ø 155 x 104 mm	ø 129 x 94 mm
Operating Temperature	-50°C ~ 60°C (-58°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F) (-HTV-A) -50°C ~ 60°C (-58°F ~ 140°F) (-EHTV-A)	-30°C ~ 60°C (-22°F ~ 140°F) (-HV) -50°C ~ 60°C (-58°F ~ 140°F) (-EHV)	-30°C ~ 60°C (-22°F ~ 140°F) (-HTV-A) -50°C ~ 60°C (-58°F ~ 140°F) (-EHTV-A)	-40°C ~ 60°C (-40°F ~ 140°F)
NDAA Compliance Product	-	●	-	●	●

* All specifications are subject to change without notice.

Network Cameras

Fixed Dome Outdoor Cameras					
5 Megapixel		2 Megapixel		5 Megapixel	
				  	
					
Model	FD9389-EHTV-v2	IT9389-H-v2	FD9367-HV	FD9367-EHTV-v2	FD9380-H
Camera Features					
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" progressive CMOS	1/2.8" progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Motorized/ 2.8 ~ 10mm/ TBD	Fixed/ 2.8 mm/ F2.0	Fixed/ 2.8mm/ F1.6	Motorized/ 2.7 ~ 13.5 mm/ F1.4 ~ F2.8	Fixed/ 2.8 mm or 3.6 mm / F2.0
Field of View	95° ~ 41° (H) 69° ~ 31° (V)	103° (H), 76° (V)	109° (H) 61° (V)	110° ~ 33° (H) 55° ~ 18° (V)	103° (H), 76° (V) [FD9380-H (2.8mm)] 76° (H), 59° (V) [FD9380-H (3.6mm)]
Day/Night	●	●	●	●	●
IR Illuminators	30 m, IR	30 m, IR LED*2	30 m, IR LED*2	50 m, IR LED*4	30 m, IR LED*2
Min. Illumination	0.06 lux @ F1.9 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.06 lux @ F2.0 (Color) 0.01 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.07 lux @ F1.6 (Color) 0.001 lux @ F1.4 (B/W) 0 Lux with IR illumination on	0.035 lux @ F1.4 (Color) <0.005 lux @ F2.0 (B/W) 0 Lux with IR illumination on	0.03 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 1920x1080	60 fps @ 1920x1080	20 fps @ 2560x1920
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	One-way Audio	One-way Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	-
Digital Input/ Output	-	-	1/1	1/1	-
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S	Profile G/S/T	Profile G/S/T
Solution Integration					
VIVOCloud	●	●	●	-	-
Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security	Secure boot, signed firmware, Trend Micro IoT Security	-
VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	-	Smart Motion Detection, Smart VCA	-
General					
Power Input/ Consumption	IEEE 802.3af PoE Class 0	IEEE 802.3af PoE Class 0	DC 12V/ PoE Max. 9 W (IR on) Max. 7W	AC 24V (Optional)/ DC 12V/ PoE Max. 6.49 W (IR on) Max. 6 W (IR off)	PoE Max. 6.49 W (IR on) Max. 3.69 W (IR off)
Housing	IP66, IK10	IP66, IK08	IP66, IP67, IK10	IP66, IP67, IK10, NEMA 4X	IP66, IK10(housing)
Dimensions	ø 129 x 94 mm	ø 108 x 79 mm	ø 155 x 104 mm	ø 174 x 123 mm	ø 117 x 90 mm
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
NDAA Compliance Product	●	●	-	●	●

Network Cameras

Fixed Dome Outdoor Cameras					
5 Megapixe			2 Megapixel		
			 		
					
Model	IT9380-H	FD9388-HTV	IT9388-HT	FD9366-HV	FD9360-H
Camera Features					
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS
Lens Type/ Focal Length/ F-number	Fixed/ 2.8 mm or 3.6mm /F2.0	Motorized/ 2.8 ~ 12 mm/ F1.4 ~ F2.8	Motorized/ 2.8 ~ 12 mm/ F1.4 ~ F2.8	Fixed/ 2.8 mm/ F1.8 Fixed/ 3.6mm/ F2.0	Fixed/ 2.8 mm or 3.6mm/ F2.0
Field of View	103° (H), 76° (V) [IT9380-H (2.8mm)] 76° (H), 59° (V) [IT9380-H (3.6mm)]	88° ~ 30° (H) 65° ~ 23° (V)	88° ~ 30° (H) 65° ~ 23° (V)	108° (H), 60° (V) [FD9366-HV (2.8mm)] 89° (H), 47° (V) [FD9366-HV (3.6mm)]	109° (H), 59° (V) [FD9360-H (2.8mm)] 81° (H), 44° (V) [FD9360-H (3.6mm)]
Day/Night	●	●	●	●	●
IR Illuminators	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*2	20 m, IR LED*2	30 m, IR LED*2
Min. Illumination	0.03 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.4 (Color) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.4 (Color) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on	FD9366-HV: (2.8mm): 0.13 lux @ F1.8 (Color) , 0.01 lux @ F1.8 (B/W), 0 lux with IR illumination on FD9366-HV: (3.6mm): 0.15 lux @ F2.0 (Color), 0.01 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
Max. Resolution/ Frame Rate	20 fps @ 2560x1920	20 fps @ 2560x1920	20 fps @ 2560x1920	30 fps @ 1920x1080	30 fps @ 1920x1080
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	One-way Audio	One-way Audio	One-way Audio	One-way Audio	-
Digital Input/ Output	-	-	-	1/1	-
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S/T
Solution Integration					
VIVOCloud	-	-	-	●	-
Security	-	-	-	Trend Micro IoT Security	-
VCA	-	-	-	-	-
General					
Power Input/ Consumption	PoE Max. 6.49 W (IR on) Max. 3.31 W (IR off)	PoE Max. 12.95 W (IR on) Max. 9 W (IR off)	PoE Max. 9.8 W (IR on) Max. 6.29 W (IR off)	PoE/ Max. 5.5 W	PoE/ Max. 6.49 W
Housing	IP66, IK10(Metal Housing)	IP66, IK10	IP66, IK10(Metal Housing)	IP66, IP67, IK10, NEMA 4X	IP66, IK10(housing)
Dimensions	ø 105 x 83 mm	ø 133 x 104 mm	ø 120 x 91 mm	98 x 54 x 111 mm	ø 117 x 90 mm
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-25°C ~ 60°C (-13°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
NDAA Compliance Product	●	●	●	●	●

Network Cameras

Fixed Dome Outdoor Cameras			
2 Megapixel			
C  C  C  NEW			
Model	IT9360-H	FD9368-HTV	FD9369
Camera Features			
Sensor Type	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/3.1" Progressive CMOS
Lens Type/ Focal Length/ F-number	Fixed/ 2.8 mm or 3.6 mm/ F2.0	Motorized/ 2.8 ~ 12 mm/ F1.4 ~ F2.8	Fixed/ 2.8 mm / F2.0
Field of View	109° (H), 59° (V) [IT9360-H (2.8mm)] 81° (H), 44° (V) [IT9360-H (3.6mm)]	93° ~ 32° (H) 50° ~ 18° (V)	116° (H) 65° (V)
Day/Night	●	●	●
IR Illuminators	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*1
Min. Illumination	0.065 lux @ F2.0 (Color) <0.005 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
Max. Resolution/ Frame Rate	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080
WDR Technology*	WDR Pro	WDR Pro	WDR Enhanced
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network			
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	One-way Audio	One-way Audio	-
Digital Input/ Output	-	-	-
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S/T
Solution Integration			
VIVOCloud	-	-	-
Security	-	-	-
VCA	-	-	-
General			
Power Input/ Consumption	PoE/ Max. 6 W	PoE Max. 12.95 W (IR on)/ Max. 9 W (IR off)	PoE Max. 6.5 W (IR on)/ Max. 4 W (IR off) DC 12V Max. 5.1 W (IR on)/ Max. 3.4 W (IR off)
Housing	IP66, IK10(Metal Housing)	IP66, IK10	IP66, IK10
Dimensions	ø 105 x 83 mm	ø 133 x 104 mm	ø 110 x 85 mm
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 55°C (-22°F ~ 131°F)
NDAA Compliance Product	●	●	●

*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.

Network Cameras

Fixed Dome Indoor Cameras					
2 Megapixel			5 Megapixel		
S		V		V	
V		V		V	
	NEW			NEW	
Model	FD9165-HT-A	FD9187-H	FD9187-HT-A	FD9189-H-v2	FD9189-HT-v2
Camera Features					
Sensor Type	1/2" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Motorized/ 4 ~ 9 mm (2.8 ~ 11.4 mm, equivalent focal length @ 1/2.8")/ F1.3 ~ F2.2	Fixed/ 2.8 mm/ F2.0	Motorized/ 2.7 ~ 13.5 mm/ F1.4 ~ F2.8	Fixed/ 2.8 mm / F2.0	Motorized/ 2.8 ~ 10mm/ TBD
Field of View	120° ~ 46° (H) 60° ~ 26° (V)	103° (H) 76° (V)	100° ~ 30° (H) 72° ~ 23° (V)	103° (H) 76° (V)	95° ~ 41° (H) 69° ~ 31° (V)
Day/Night	●	●	●	●	●
IR Illuminators	50 m, IR LED*4	30 m, IR LED*2	50 m, IR LED*4	30 m, IR	30 m, IR
Min. Illumination	0.015 lux @ F1.3 (Color) <0.005 lux @ F1.3 (B/W) 0 lux with IR illumination on	0.06 lux @ F2.0 (Color) <0.01 lux F2.0 (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	0.06 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.06 lux @ F1.9 (Color) 0.01 lux @ F1.9 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	One-way Audio	One-way Audio
Digital Input/ Output	2/2	1/1	2/2	-	-
ONVIF	Profile G/S	Profile G/S/T	Profile G/S	Profile G/S/T	Profile G/S/T
Solution Integration					
VIVOCloud	-	●	-	●	●
Security	Trend Micro IoT Security	Signed firmware, Trend Micro Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA
General					
Power Input/ Consumption	AC 24V /DC 12V/ PoE Max. 11 W	AC 24V (optional) /DC 12V /PoE Max. 8.1 W	AC 24V (optional) /DC 12V /PoE Max. 12 W	IEEE 802.3af PoE Class 0	IEEE 802.3af PoE Class 0
Housing	-	-	-	-	-
Dimensions	ø 139 x 104 mm	ø 139 x 104 mm	ø 139 x 104 mm	ø 130 X 95 mm	ø 130 X 95 mm
Operating Temperature	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
NDAA Compliance Product	●	-	●	●	●

Network Cameras

Fixed Dome Indoor Cameras				
	2 Megapixel	5 Megapixel	5 Megapixel	2 Megapixel
	V 	V 	C 	C 
Model	FD9167-H	FD9167-HT-v2	FD9182-H	FD9166-HN
Camera Features				
Sensor Type	1/2.8" progressive CMOS	1/2.8" progressive CMOS	1/2.7" progressive CMOS	1/2.9" Progressive CMOS
Lens Type/ Focal Length/ F-number	Fixed/ 2.8mm/ F1.6	Motorized/ 2.7 ~ 13.5 mm/ F1.4 ~ F2.8	Fixed/ 2.8 mm/ F2.0	Fixed/ 2.8 mm/ F1.8 Fixed/ 3.6mm/ F2.0
Field of View	109° (H) 61° (V)	110° ~ 33° (H) 55° ~ 18° (V)	103° (H) 76° (V)	109° (H), 59° (V) [FD9166-HN (2.8mm)] 89° (H), 47° (V) [FD9166-HN (3.6mm)]
Day/Night	●	●	●	●
IR Illuminators	30 m, IR LED*2	50 m, IR LED*4	-	10 m, IR LED*4
Min. Illumination	0.07 lux @ F1.6 (Color) 0.001 lux @ F1.6 (B/W) 0 Lux with IR illumination on	0.035 lux @ F1.4 (Color) <0.005 lux @ F1.4 (B/W) 0 Lux with IR illumination on	0.03 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W)	FD9166-HN: (2.8mm): 0.07 lux @ F1.8 (Color), 0.01 lux @ F1.8 (B/W), 0 lux with IR illumination on FD9166-HN: (3.6mm): 0.16 lux @ F2.0 (Color), 0.01 lux @ F2.0 (B/W), 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 1920x1080	60 fps @ 1920x1080	20 fps @ 2560x1920	30 fps @ 1920x1080
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network				
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	One-way Audio	One-way Audio
Digital Input/ Output	1/1	1/1	-	1/0
ONVIF	Profile G/S	Profile G/S/T	Profile G/S/T	Profile G/S/T
Solution Integration				
VIVOCloud	●	-	●	●
Security	Trend Micro IoT Security	Secure boot, signed firmware, Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	-	Smart Motion Detection, Smart VCA	-	-
General				
Power Input/ Consumption	DC 12V/ PoE Max. 7W	AC 24V (Optional)/ DC 12V/ PoE Max. 9 W (IR on) Max. 6 W (IR off)	PoE/ Max. 3.6 W	PoE/ Max. 5.5 W
Housing	-	-	-	-
Dimensions	ø 139 x 104 mm	ø 174 x 123 mm	ø 82 x 122 mm	ø 90 x 50 mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 140°F)	-10°C ~ 55°C(14°F~ 131°F)
NDAA Compliance Product	-	●	●	●

*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.





Bullet Cameras

Designed for Outdoor Surveillance and Support
A Wide Range of Monitoring Distances



AI-Powered Video Analytics*

VIVOTEK's Smart VCA is a suite of multiple analytics that provide faster and more accurate detection for various scenarios.



Smart Motion Detection*

With accurate precision to detect human activity only, while also intelligently ignoring background changes in a given scene, VIVOTEK's SMD greatly minimizes the number of false alarms.



Robust Cyber Protection

VIVOTEK provides secure products with robust cyber protection empowered with firmware encryption by utilizing the expertise of Trend Micro.



Significantly Lower Bandwidth via Smart Stream III

Fully compatible with H.264 and H.265, VIVOTEK's Smart Stream III allows reducing bandwidth consumption by up to 90%.



Network Cameras

Bullet Cameras					
	8 Megapixel	2 Megapixel		5 Megapixel	
					
	S SERIES	S SERIES	V SERIES	V SERIES	V SERIES
Model	IB9391-EHT	IB9365-HT-A/EHT-A	IB9387-H/EH	IB9387-HT-A/EHT-A	IB9389-H/EH-v2
Camera Features					
Sensor Type	1/2" Progressive CMOS	1/2" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Motorized/ 3.9 ~ 10 mm/ F1.5 ~ F2.7	Motorized/ 4 ~ 9 mm/ F1.3 ~2.2 Motorized/ 12-40 mm/ F1.8	Fixed/ 3.6 mm/ F2.0	Motorized/ 2.7 ~ 13.5 mm/ F1.4 ~ F2.8	Fixed/ 3.6 mm/ F2.0
Field of View	95° ~ 45° (H) 52° ~ 25° (V)	IB9365-HT/EHT-A (4-9 mm): 100° ~ 46° (H), 52° ~ 26° (V) IB9365-HT-A (12-40 mm): 35° ~ 12° (H), 19° ~ 7° (V)	76° (H) 56° (V)	100° ~ 30° (H) 72° ~ 23° (V)	76° (H) 56° (V)
Day/Night	●	●	●	●	●
IR Illuminators	50 m, IR LED*5	IB9365-HT-A/EHT-A (4-9 mm): 50 m, IR LED*6 IB9365-HT-A (12-40 mm): 100 m, IR LED*4	30 m, IR LED*2	50 m, IR LED*6	30 m, IR
Min. Illumination	0.02 lux @ F1.5 (Color) 0.01 lux @ F1.5 (B/W) 0 lux with IR illumination on	IB9365-HT/EHT-A: (4-9 mm):0.015 lux @ F1.3 (Color), <0.005 lux @ F1.3 (B/W), 0 lux with IR illumination on/ IB9365-HT-A: (12-40 mm): 0.075 lux @ F1.8 (Color), <0.005 lux @ F1.8 (B/W), 0 lux with IR illumination on	0.06 lux @ F2.0 (Color) <0.01 lux F2.0 (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	0.06 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off)	60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	-
Digital Input/ Output	1/1	2/2	1/1	2/2	-
ONVIF	Profile G/S/T	Profile G/S	Profile G/S/T	Profile G/S	Profile G/S/T
Solution Integration					
VIVOCLOUD	●	-	●	-	●
Security	Signed firmware, Trend Micro IoT Security	Trend Micro IoT Security	Signed firmware, Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA
General					
Power Input/ Consumption	AC 24V/ DC 12V/ PoE Max. 25 W (Heater on)	AC 24V/ DC 12V/ PoE IB9365-HT-A: Max. 12.95 W IB9365-EHT-A: Max. 25 W	AC 24V (optional)/ DC 12V/ PoE IB9387-HT-A: Max. 8 W IB9387-EH: Max. 19.3 W	AC 24V/ DC 12V/ PoE IB9387-HT-A: Max. 12.95 W IB9387-EHT-A: Max. 25 W	IEEE 802.3af PoE Class 0
Housing	IP66, IP67, IK10 (Metal housing), NEMA 4X	IP66, IP67, IK10 (Metal housing)	IP66, IP67, IK10 (Metal housing)	IP66, IP67, IK10 (Metal housing)	IP66, IK10 (Metal housing)
Dimensions	121 x 121 x 394 mm (w/ junction box) 118 x 118 x 333 mm (w/o junction box)	IB9365-HT-A/EHT-A (4-9mm): 352 x 121 x 121 mm (w/ junction box) IB9365-HT-A (12-40 mm): 368 x 121 x 121 mm (w/ junction box)	118 x 118 x 266 mm	118 x 118 x 294 mm	86 x 300 mm
Operating Temperature	-50°C ~ 60°C (-58°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F) (-HT-A) -50°C ~ 60°C (-58°F ~ 140°F) (-EHT-A)	-30°C ~ 60°C (-22°F ~ 140°F) (-H) -50°C ~ 60°C (-58°F ~ 140°F) (-EH)	-30°C ~ 60°C (-22°F ~ 140°F) (-HT-A) -50°C ~ 60°C (-58°F ~ 140°F) (-EHT-A)	-40°C ~ 60°C (-40°F ~ 140°F)
NDAA Compliance Product	-	●	-	●	●

Network Cameras

Bullet Cameras					
5 Megapixel		2 Megapixel		5 Megapixel	
NEW V SERIES V SERIES		NEW V SERIES V SERIES		NEW C SERIES C SERIES	
Model	IB9389-HT/EHT-v2	IB9367-H/EH	IB9367-EHT-v2	IB9380-H	IB9388-HT
Camera Features					
Sensor Type	1/2.7" Progressive CMOS	1/2.8" progressive CMOS	1/2.8" progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Motorized/ 2.8 ~ 10 mm/ TBD	Fixed/ 3.6 mm/ F1.6	Motorized/ 2.7 ~ 13.5 mm/ F1.4 ~ F2.8	Fixed/ 3.6 mm/ F2.0	Motorized/ 2.8 ~ 12 mm/ F1.4 ~ F2.8
Field of View	95° ~ 41° (H) 69° ~ 31° (V)	88° (H) 47° (V)	105° ~ 33° (H) 55° ~ 18° (V)	76° (H) 59° (V)	88° ~ 30° (H) 65° ~ 23° (V)
Day/Night	●	●	●	●	●
IR Illuminators	30 m, IR	30 m, IR LED*2	50 m, IR LED*4	30 m, IR LED*2	30 m, IR LED*2
Min. Illumination	0.06 lux @ F1.9 (Color) 0.01 lux @ F1.9 (B/W) 0 lux with IR illumination on	0.07 lux @ F1.6 (Color) 0.001 lux @ F1.6 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.4 (Color) <0.005 lux @ F1.4 (B/W) 0 Lux with IR illumination on	0.03 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.035 lux @ F1.4 (Color) <0.005 lux @ F1.4 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 1920x1080	60 fps @ 1920x1080	20 fps @ 2560x1920	20 fps @ 2560x1920
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	-	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	-	-
Digital Input/ Output	-	1/1	1/1	-	-
ONVIF	Profile G/S/T	Profile G/S	Profile G/S/T	Profile G/S/T	Profile G/S/T
Solution Integration					
VIVOCloud	●	●	-	-	-
Security	Trend Micro IoT Security	Trend Micro IoT Security	Secure boot, signed firmware, Trend Micro IoT Security	-	-
VCA	Smart Motion Detection, Smart VCA	-	Smart Motion Detection, Smart VCA	-	-
General					
Power Input/ Consumption	IEEE 802.3af PoE Class 0	DC12V /PoE IB9367-H: Max. 7 W IB9367-EH: Max. 24 W	AC 24V (Optional)/ DC 12V/ PoE Max. 10.77 W (IR on) Max. 7.77 W (IR off)	PoE Max. 6.49 W (IR on) Max. 3.6 W (IR off)	PoE Max. 12.95 W (IR on) Max. 9 W (IR off)
Housing	IP66, IK10 (Metal housing)	IP66, IP67, IK10 (Metal housing)	IP66, IP67, IK10 (Metal housing), NEMA 4X	IP66, IK10(housing)	IP66, IK10(housing)
Dimensions	86 x 303 mm	266 x 118 x 118 mm	146 x 288 mm	91.1 x 176.8 mm	85 x 85 x 214.5 mm
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-20°C ~ 50°C (-4°F ~ 122°F) (-H) -50°C ~ 50°C (-58°F ~ 122°F) (-EH)	-40°C ~ 60°C (-40°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
NDAA Compliance Product	●	-	●	●	●

Network Cameras

Bullet Cameras				
2 Megapixel				
C Series C Series C Series NEW C Series C Series				
Model	IB9360-H	IB9368-HT	IB9369	IZ9361-EH
Camera Features				
Sensor Type	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/3.1" Progressive CMOS	1/3" Progressive CMOS
Lens Type/ Focal Length/ F-number	Fixed/ 3.6 mm/ F2.0	Motorized/ 2.8 ~ 12 mm/ F1.4 ~ F2.8	Fixed/ 2.8 mm/ F2.0 Fixed/ 3.6 mm/ F2.2	20x Optical Zoom Auto Focus/ 4.7 ~ 94 mm/ F1.6 ~ F3.5
Field of View	81° (H) 44° (V)	93° ~ 32° (H) 50° ~ 18° (V)	118° (H), 65° (V)[IB9369 (2.8 mm)] 90° (H), 49° (V) [IB9369 (3.6 mm)]	55.4° ~ 2.9° (H) 32.6° ~ 1.6° (V)
Day/Night	●	●	●	●
IR Illuminators	30 m, IR LED*2	30 m, IR LED*2	30 m, IR LED*1	150 m
Min. Illumination	0.065 lux @ F2.0 (Color) <0.005 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	IB9369 (2.8 mm): 0.08 lux @ F2.0 (Color), <0.005 lux @ F2.0 (B/W), 0 lux with IR illumination on, IB9369 (3.6 mm) 0.1 lux @ F2.2 (Color), <0.005 lux @ F2.2 (B/W), 0 lux with IR illumination on	0.26 lux @ F1.6 (Color) 0.01 lux @ F1.6 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	H.265/H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080
WDR Technology*	WDR Pro	WDR Pro	WDR Enhanced	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	SD/SDHC/SDXC Card Slot
Video/ Audio/ Network				
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	-	-	-	Two-way Audio (Full duplex)
Digital Input/ Output	-	-	-	3/1
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S
Solution Integration				
VIVOCloud	-	-	-	-
Security	-	-	-	-
VCA	-	-	-	-
General				
Power Input/ Consumption	PoE Max. 6.49 W (IR on) Max. 3.6 W (IR off)	PoE Max. 12.95 W (IR on) Max. 9 W (IR off)	PoE Max. 6.49 W (IR on) Max. 4 W (IR off) DC 12V Max. 5.1 W (IR on) Max. 3.4 W (IR off)	AC 24V/ DC 24V/ 60W UPoE Max. 48/18 W (Heater on/off)
Housing	IP66, IK10(housing)	IP66, IK10(housing)	IP66, IK10	IP67, IK10, NEMA 4X
Dimensions	91 x 177 mm	85 x 85 x 214.5 mm	91 x 182 mm	147 x 375 x 322 mm
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 55°C (-22°F ~ 131°F)	-50°C ~ 60°C (-58°F ~ 140°F)
NDAA Compliance Product	●	●	●	-

*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.



Box Cameras

Equipped with Different Lens Options, Ideal for Video Surveillance Applications



SNV(Supreme Night Visibility)

VIVOTEK's SNV technology allows for the capture of the highest quality full-color images even in low light environments



WDR Pro Technology

WDR Pro technology enables image clarity in high contrast environments, essential for box cameras' remote back focus lenses



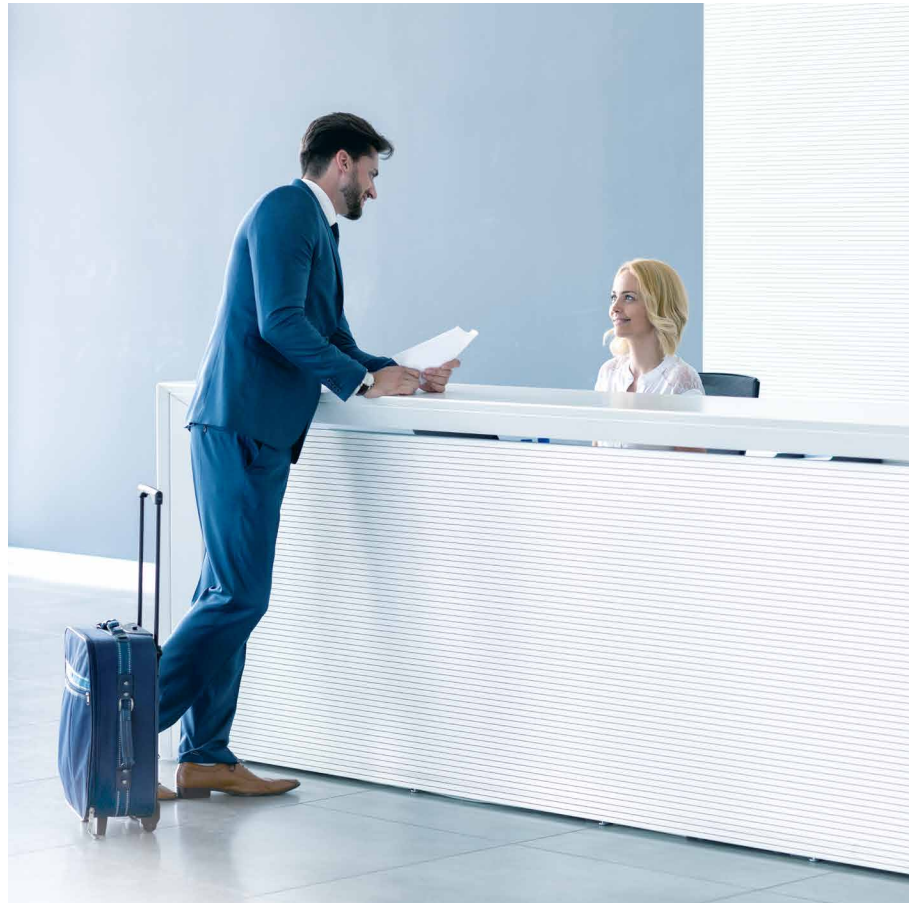
Robust Cyber Protection

VIVOTEK provides secure products with robust cyber protection empowered with firmware encryption by utilizing the expertise of Trend Micro



Significantly Lower Bandwidth via Smart Stream III

Fully compatible with H.264 and H.265, VIVOTEK's Smart Stream III allows reducing bandwidth consumption by up to 90%



Network Cameras

Box Cameras				
	8 Megapixel	2 Megapixel	5 Megapixel	3 Megapixel
				
Model	IP9191-HT	IP9165-HT-v2	IP9181-H	IP9171-HP
Camera Features				
Sensor Type	1/2" Progressive CMOS	1/2" Progressive CMOS	1/1.8" Progressive CMOS	1/2.8" Progressive CMOS
Lens Type/ Focal Length/ F-number	Remote Back Focus i-CS (IP9191-HT)/ 3.9 ~ 10 mm/ F1.5 ~ F2.7	Remote Back Focus i-CS/ 3.9 ~ 10 mm/ F1.5 ~ F2.7	Remote Back Focus/ 4.1 ~ 9 mm/ F1.6 ~ F2.4	Remote Back Focus/ 2.8 ~ 8 mm/ F1.2 ~ F1.95
Field of View	119° ~ 45° (H) 63° ~ 25° (V)	110° ~ 43° (H) 59° ~ 24° (V)	90° ~ 46° (H) 68° ~ 35° (V)	114° ~ 51° (H) 84° ~ 39° (V)
Day/Night	●	●	●	●
IR Illuminators	-	-	-	-
Min. Illumination	0.02 lux @ F1.5 (Color) 0.1 lux @ F1.5 (B/W)	IP9165-LPC-v2 (9-50mm): 0.01 lux @ F1.5 (Color) IP9165-LPC-v2 (12-40mm): 0.08 lux @ F1.8 (Color)	0.07 lux @ F1.6 (Color) 0.001 lux @ F1.6 (B/W)	0.01 lux @ F1.2 (Color) 0.001 lux @ F1.2 (B/W)
Max. Resolution/ Frame Rate	30 fps @ 3840x2160 120 fps @ 1920x1080 (WDR Pro off)	60 fps @ 1920x1080	H.265/H.264: 30 fps @ 2560x1920, 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920, 30 fps @ 1920x1080	H.265/H.264: 30 fps @ 2048x1536 MJPEG: 15 fps @ 2048x1536
WDR Technology*	WDR Pro	WDR Pro II	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network				
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)
Digital Input/ Output	2/2	2/2	3/1	3/1
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S	Profile G/S
Solution Integration				
VIVOCloud	-	●	●	●
Security	Trend Micro IoT Security	Trend Micro IoT Security	-	-
VCA	-	Smart Motion Detection, Smart VCA	-	-
General				
Power Input/ Consumption	AC 24V/ DC 12V/ PoE Max. 12 W	AC 24V/ DC 12V/ PoE, Max. 9 W (DC 12V) Max. 18 W (AC 24V), Max. 9.06 W (PoE)	AC 24V/ DC 12V/ PoE Max. 9.7 W	AC 24V/ DC 12V/ PoE Max. 8.6 W
Housing	-	-	-	-
Dimensions	209 (D) x 70 (W) x 61 (H) mm (-HP) 210 (D) x 70 (W) x 61 (H) mm (-HT)	255 (D) x 70 (W) x 64 (H) mm (9-50mm) 203 (D) x 70 (W) x 61 (H) mm (12-40mm)	210 (D) x 70 (W) x 63 (H) mm	210 (D) x 70 (W) x 63 (H) mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 60°C (14°F ~ 140°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
NDAA Compliance Product	-	●	-	-

* All specifications are subject to change without notice.

*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.
*i-CS: Intelligent CS-mount lenses can be used for add-on value functions, ex. remote zoom focus control, distortion correction, shading correction, etc.

Transportation Cameras

Trusted and Reliable Solution for Onboard Rolling Stock



Reliable and Rugged Design

Cameras are built and tested to endure harsh operating conditions including extreme temperatures, mechanical impacts and vibrations, featuring streamlined rugged metal housings with high IP and IK ratings to ensure maximum reliability for security monitoring in any environment.



Industry Standards and Certifications

Designed for transportation applications, VIVOTEK's transportation cameras are compliant with the strictest norms and regulations required by international law and transportation authorities.



AI-Powered Video Analytics

VIVOTEK's dedicated analytics for transportation cameras provide fast and accurate detection of various on-board scenarios.



Network Cameras

Transportation Cameras					
5 Megapixel		2 Megapixel		5 Megapixel	
					
					
Model	MD9582-H	MD9584-H	MD9560-H	MD9560-DH	FE9582-EHNV
Camera Features					
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/1.8" Progressive CMOS in 3096x2094
Lens Type/ Focal Length/ F-number	Fixed/ 2.8 mm / F1.8 Fixed/ 3.6 mm / F2.0	Fixed/ 3.6 mm/ F2.0 Fixed/ 6 mm/ F2.0	Fixed/ 2.8 mm / F1.8 Fixed/ 3.6 mm / F2.0	Fixed/ 2.8 mm/ F1.8	Fixed/ 1.47 Ømm/ F2.2
Field of View	102° (H), 76° (V)[MD9582-H (2.8 mm)] 83° (H), 61° (V) [MD9582-H (3.6 mm)]	83° (H), 61° (V) [MD9584-H (3.6 mm)] 50° (H), 37° (V)[MD9584-H (6 mm)]	108° (H), 60° (V)[MD9560-H (2.8 mm)] 89° (H), 47° (V) [MD9560-H (3.6 mm)]	108° (H) 60° (V)	180° (H) 180° (V)
Day/Night	●	●	●	●	●
IR Illuminators	20 m, IR LED*2	50 m, IR LED*4	20 m, IR LED*2	20 m, IR LED*2	10 m, 940 nm, IR LED*6
Min. Illumination	MD9582-H (2.8 mm): 0.09 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on MD9582-H (3.6 mm) 0.1 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on	MD9584-H (3.6 mm) 0.1 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on MD9584-H (6 mm) 0.1 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on	MD9560-H (2.8 mm): 0.13 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on MD9560-H (3.6 mm): 0.16 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on	0.13 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on	0.18 lux @ F2.2 (Color) 0.001 lux @ F2.2 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	H.265/H.264: 30 fps @ 1920x1920 MJPEG: 12 fps @ 1920x1920
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network					
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	One-way Audio	Two-way Audio (Full duplex)	One-way Audio	One-way Audio	Two-way Audio (Full duplex)
Digital Input/ Output	1/1	1/1	1/1	1/1	1/1
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S/T	Profile G/S
Solution Integration					
VIVOCloud	●	-	●	●	●
Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security	-
VCA	Smart Motion Detection, Smart VCA (optional)	Smart Motion Detection, Smart VCA (optional)	-	-	-
General					
Power Input/ Consumption	PoE Max. 6 W (IR on) Max. 4.5 W (IR off)	PoE (M12 connector, for Camera System)/ DC 24V (for Heater) Max. 10.26 W/ 6.08W (IR on/off) Heater: 24 W	PoE Max. 5.5 W (IR on) Max. 3.3 W (IR off)	DC 7.5 ~ 48V Max. 5.5 W (IR on) Max. 3.3 W (IR off)	DC 12V /PoE (M12 connector) Max. 20 W
Housing	IP66, IP67, IK10, NEMA 4X	IP6K9K/ IP68, IK10+, NEMA 4X	IP66, IP67, IK10, NEMA 4X	IP66, IP67, IK10, NEMA 4X	IP66, IK10
Dimensions	98 (D) x 110 (W) x 54 (H) mm	175 (D) x 122 (W) x 59 (H) mm	98 (D) x 110 (W) x 54 (H) mm	98 (D) x 110 (W) x 54 (H) mm	Ø 160 x 51 mm
Operating Temperature	-40°C ~ 70°C (-40°F~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-25°C ~ 60°C (-13°F~ 140°F)	-25°C ~ 60°C (-13°F~ 140°F)	-40°C ~ 55°C (-40°F ~ 131°F)
NDAA Compliance Product	●	●	●	●	-

* All specifications are subject to change without notice.

Thermal Bullet Cameras

Infrared Thermal Image



Long Distance Monitoring

VIVOTEK's thermal cameras offer different lens options to allow users to easily adapt to diverse detection scenarios



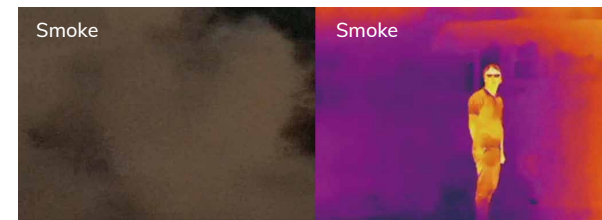
Robust Design for Outdoor Environments

Cameras are IP66/IP67 rated and equipped with NEMA 4X housings. The unique lens guard design provides extra protection from unexpected shock or impact



Video Analytics for Perimeter Protection

VIVOTEK's thermal cameras, with video analytic features such as line crossing and field detection, make perimeter protection both simple and efficient



Normal Camera

Thermal Camera



Thermal Camera

Thermal Bullet Cameras



Model	TB9330-E	TB9331-E
Camera Features		
Sensor Type	Uncooled Vox Infrared Detector	Uncooled Vox Infrared Detector
Lens Type/ Focal Length/ F-number	Fixed Thermal Lens/ 8.8 mm,19 mm ,35 mm, 50 mm/ F1.0	Fixed Thermal Lens/ 8.8 mm,19 mm ,35 mm, 50 mm/ F1.0
Field of View	38.3° (H), 26.1° (V) [TB9330-E (8.8mm)] 18.3° (H), 12.3° (V) [TB9330-E (19mm)] 10° (H), 6.7° (V) [TB9330-E (35mm)] 7° (H), 4.7° (V) [TB9330-E (50mm)]	69.6° (H), 49.7° (V) [TB9331-E (8.8mm)] 35.7° (H), 24.2° (V) [TB9331-E (19mm)] 19.8° (H), 13.3° (V) [TB9331-E (35mm)] 14° (H), 9.3° (V) [TB9331-E (50mm)]
Day/Night	-	-
IR Illuminators	-	-
Min. Illumination	-	-
Max. Resolution/ Frame Rate	30 fps @ 384x256	30 fps @ 720x480
WDR Technology*	-	-
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network		
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)
Digital Input/ Output	1/1	1/1
ONVIF	Profile S/G	Profile S/G
Solution Integration		
VIVOCloud	●	●
Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	-	-
General		
Power Input/ Consumption	AC 24V/ DC 12V/ PoE Max. 12.5 W (Heater on)	AC 24V/ DC 12V/ PoE Max. 14 W (Heater on)
Housing	IP66, IP67, IK10, NEMA 4X	IP66, IP67, IK10, NEMA 4X
Dimensions	w/ junction box: 121 x 121 x 472 mm (8.8mm) 121 x 121 x 453 mm (19mm) 121 x 121 x 456 mm (35/50mm)	w/ junction box: 121 x 121 x 472 mm (8.8mm) 121 x 121 x 453 mm (19mm) 121 x 121 x 456 mm (35/50mm)
Operating Temperature	-50°C ~ 60°C (-58°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
NDAA Compliance Product	-	-

* All specifications are subject to change without notice.

Network Cameras

*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.

Network Cameras

LPC Cameras

From the Highest Levels of Glare to the Darkest Hours in the Night

155 MPH



Capture Vehicle Speeds up to 155MPH (250 km/h)

VIVOTEK's Freeway LPC camera adopts a 3-Megapixel global shutter sensor combined with built-in corresponding 24W pulse mode IR LEDs. The camera can provide clear license plate images for reliable recognition in high-speed traffic applications

Single Camera Coverage of Both Scene Overview & LPC View

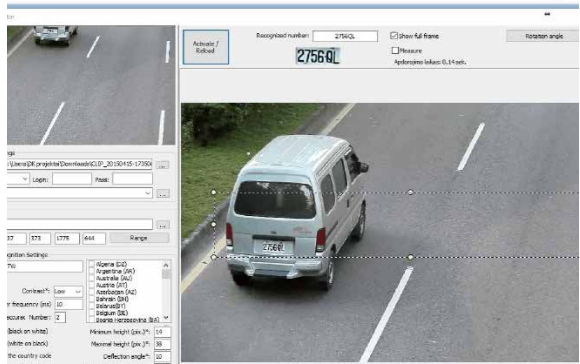
VIVOTEK's 2 Mega-pixel resolution kit provides not only sufficient PPF for license plate capture, but also for a clear overview of moving vehicles, including car color, brand and type, for general traffic surveillance purposes

Supreme Anti-Glare Capability

Capturing images at night is a challenging issue for any surveillance application, but for LPC applications the challenge is even greater due to the noise and glare caused by car headlights



Scene Overview



License Plate Recognition View

License Plate Capture Cameras

3 Megapixel

2 Megapixel



Model	IP9172-LPC (Freeway)	IP9165-LPC-v2	IP9165-LPC-v2 Kit
Camera Features			
Sensor Type	1/1.8" Global Shutter CMOS	1/2" Progressive CMOS	1/2" Progressive CMOS
Lens Type/ Focal Length/ F-number	Remote Focus CS-mount/ 12 ~ 40 mm/ F1.8 ~ F2.3	IP9165-LPC-v2 (9 ~ 50 mm): i-CS/ 9 ~ 50 mm/ F1.5 ~ F1.6 IP9165-LPC-v2 (12 ~ 40 mm): Remote Back Focus/ 12 ~ 40 mm/ F1.8 ~ F2.3	IP9165-LPC-v2 (9 ~ 50 mm): i-CS/ 9 ~ 50 mm/ F1.5 ~ F1.6 IP9165-LPC-v2 (12 ~ 40 mm): Remote Back Focus/ 12 ~ 40 mm/ F1.8 ~ F2.3
Field of View	35.8° ~ 12.3° (H) 26.3° ~ 9.8° (V)	IP9165-LPC-v2 (9 mm~50 mm) 42.8° ~ 8.3° (H), 24.3° ~ 4.7° (V) IP9165-LPC-v2 (12~40 mm): 34.2° ~ 11.6° (H), 18.7° ~ 6.6° (V)	IP9165-LPC-v2 (9 mm~50 mm) 42.8° ~ 8.3° (H), 24.3° ~ 4.7° (V) IP9165-LPC-v2 (12~40 mm): 34.2° ~ 11.6° (H), 18.7° ~ 6.6° (V)
Day/Night	●	●	●
IR Illuminators	External IR Illuminator (CF2418-2040)	-	External IR Illuminator (CA8018-2040/AI-109)
Min. Illumination	IR Threshold: 300 lux @ IR On 600 lux @ IR Off RS485 configurable	IP9165-LPC-v2 (9-50mm): 0.01 lux @ F1.5 (Color) IP9165-LPC-v2 (12-40mm): 0.08 lux @ F1.8 (Color)	IR Threshold: 300 lux @ IR On 600 lux @ IR Off RS485 configurable
Max. Resolution/ Frame Rate	55 fps @ 2048x1536, AEB off 60 fps @ 1920x1080, AEB off 30 fps @ 1920x1080, AEB on	60 fps @ 1920x1080	60 fps @ 1920x1080
WDR Technology*	-	WDR Pro II	WDR Pro II
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network			
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)
Digital Input/ Output	2/1	2/2	2/2
ONVIF	Profile G/S/T	Profile G/S/T	Profile G/S/T
Solution Integration			
VIVOCloud	●	●	●
Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	-	Smart Motion Detection, Smart VCA	Smart Motion Detection, Smart VCA
General			
Power Input/ Consumption	AC 24V DC 24V/ -20°C ~ 60°C (-4°F ~ 140°F): Max. 60 W, Suggested Power: AC 24V or DC 24V/ 3A -40°C ~ 60°C (-40°F ~ 140°F): Max. 100 W, Suggested Power: AC 24V or DC 24V/ 5A	AC 24V/ DC 12V/ PoE Max. 9 W (DC 12V) Max. 18 W (AC 24V) Max. 9.06 W (PoE)	AC 24V / DC24V/ Highway Kit (CA8018-2040): Max. 110 W, Suggested Power: AC 24V or DC 24V/ 5A Street/ Street-A Kit (AI-109): Max. 78 W, Suggested Power: AC 24V or DC 24V/ 3.5A
Housing	IP68, IK10	-	IP68, IK10
Dimensions	503 (D) x 170 (W) x 400 (H) mm	255 (D) x 70 (W) x 64 (H) mm (9-50 mm) 203 (D) x 70 (W) x 61 (H) mm (12-40 mm)	Street/Highway Kit: 503 (D) x 170 (W) x 400 (H) mm Street-A Kit: 503 (D) x 170 (W) x 365 (H) mm
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F) -40°C ~ 60°C (-40°F ~ 140°F), with cold start heater	-10°C ~ 60°C (14°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F) -40°C ~ 60°C (-40°F ~ 140°F), with optional cold start heater
NDAA Compliance Product	-	●	●
Max. Speed	155MPH (250 km/hr)	Highway:110MPH (180 km/hr) Street: 60MPH (90 km/hr)	Highway:110MPH (180 km/hr) Street: 60MPH (90 km/hr)

* All specifications are subject to change without notice.

*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.
*i-CS: Intelligent CS-mount lenses can be used for add-on value functions, ex. remote zoom focus control, distortion correction, shading correction, etc.
*AEB (Auto Exposure Bracketing): Provides multiple streams with different exposure settings to cover over-exposed and under-exposed scenarios.

LPR Cameras

VIVOTEK Developed Solutions for Capturing License Plate Images in LPR Applications



Edge LPR Solution for Stop & Go Applications

The VIVOTEK Edge LPR solution can identify license plates from over 70 countries or states simultaneously. It also converts number plates into Wiegand signals for use with an access control system, and offers various APIs for integration with 3rd party systems. The Stop & Go application Edge LPR solution is ideal for parking access control and Stop & Go toll systems, or any LPR applications where a vehicle stops or comes to an almost complete stop



Vehicle Access Control



Edge LPR Solution for Urban Applications

The Urban application Edge LPR solution inherits all the best from the Stop & Go application, but additionally can capture clear plate images and LPR readings from vehicles moving at speeds of up to 60MPH (90km/hr). Additionally, to provide precise, reliable, and authoritative data for use as evidence, it can simultaneously combine the LPR result and a snapshot from the linked camera. This feature is beneficial for police and other law enforcement agencies. The Urban application Edge LPR solution is an ideal option for city surveillance, residential communities, and expressway toll-management applications



Stop & Go Toll Collection

Network Cameras

License Plate Recognition Cameras			
	2 Megapixel		5 Megapixel
			
Model	IP9165-LPR Kit (Street)	IB9365-LPR (-W)	IB9387-LPR (-W)
Camera Features			
Sensor Type	1/2" Progressive CMOS	1/2" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type/ Focal Length/ F-number	Remote Back Focus i-CS/ 9 ~ 50 mm [IP9165-LPR (9-50 mm)] 12 ~ 40 mm [IP9165-LPR (12-40 mm)]/ F1.5 ~ F1.6 [IP9165-LPR (9-50 mm)] F1.8 ~ F2.3 [IP9165-LPR (12-40 mm)]	(IB9365-LPR/LPR-W) Motorized/ 12 ~ 40 mm/ F1.8 (IB9365-LPR-W) Motorized/ 4 ~ 9 mm/ F1.3	Motorized/ 2.7 ~ 13.5 mm/ F1.4 ~ F2.8
Field of View	IP9165-LPR (9-50 mm): 42.8° ~ 8.3° (H), 24.3° ~ 4.7° (V) IP9165-LPR (12-40 mm): 34.2° ~ 11.6° (H), 18.7° ~ 6.6° (V)	IB9365-LPR/LPR-W(12-40mm): 35° ~ 12° (Horizontal) 19° ~ 7° (Vertical) IB9365-LPR-W(4-9mm): 100° ~ 46° (Horizontal) 52° ~ 26° (Vertical)	100° ~ 30° (H) 72° ~ 23° (V)
Day/Night	●	●	●
IR Illuminators	Snap-in IR Illuminator (AI-109)	100 m, IR LED*5 6100K White LED*2	50 m, IR LED*6 6100K White LED*2
Min. Illumination	IR Threshold: 300 lux @ IR On 600 lux @ IR Off RS485 configurable	0.06 lux @ F1.8 (Color), 50IRE 0.03 lux @ F1.8 (Color), 30IRE <0.01 lux @ F1.8 (B/W)	0.06 lux @ F1.4 (Color) <0.01 lux @ F1.4 (B/W)
Max. Resolution/ Frame Rate	60 fps @ 1920x1080	60 fps @ 1920x1080	30 fps @ 2560x1920 60 fps @ 1920x1080
WDR Technology*	WDR Pro II	WDR Pro II	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot Build in 32GB Micro SD Card for LPR images	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot Build in 16GB Micro SD Card for LPR images
Video/ Audio/ Network			
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)	Two-way Audio (Full duplex)
Digital Input/ Output	2/2	2/2	1/1
ONVIF	Profile S/G	Profile S/G	Profile S/G
Solution Integration			
VIVOCLOUD	-	-	-
Security	Trend Micro IoT Security	Trend Micro IoT Security	Trend Micro IoT Security
VCA	-	-	-
General			
Power Input/ Consumption	AC 24V/ DC24V/ Max. 78 W	AC 24V/ DC 12V/ PoE Max. 11.9 W	AC 24V (optional)/ DC 12V/ PoE Max. 12 W
Housing	IP68, IK10	IP66, IP67, IK10 (Metal housing), NEMA 4X	IP66, IP67, IK10 (Metal housing)
Dimensions	503 (D) x 170 (W) x 365 (H) mm -20°C ~ 60°C (-4°F ~ 140°F)	344 x 121 x 121 mm (w/ junction box)	118 x 118 x 294 mm
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F), with optional cold start heater	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
NDAA Compliance Product	-	-	-
Max. Speed	Up to 60MPH (90 km/hr)	Up to 60MPH (90 km/hr)	Up to 60MPH (90 km/hr)

*WDR Enhanced: Digital WDR
*WDR Pro: The dynamic range is between 100dB and 140dB.
*WDR Pro II: The dynamic range is higher than 140dB.
*i-CS: Intelligent CS-mount lenses can be used for add-on value functions, ex. remote zoom focus control, distortion correction, shading correction, etc.



Speed Dome Cameras

All-inclusive Solutions for Great Video Quality in Challenging Lighting Conditions from Indoor to Severe Outdoor Environments



Vari-Angle IR

Automatic IR range adjustment to match optical zoom provides consistent IR images in all fields of view



Smart Tracking*

Innovative deep-learning algorithm to increase accuracy when tracking people in motion



Outdoor Ready

Designed for outdoor environments with IP66 and IK10 certification as well as NEMA 4X



Airport



Port

Network Cameras

Speed Dome Cameras							
5 Megapixel			2 Megapixel				
	SERIES  NEW SERIES 		SERIES  V SERIES 		V SERIES  NEW SERIES 		
Model	SD9384-EHL		SD9161-H	SD9362-EH-v2		SD9362-EHL	SD9368-EHL
Camera Features							
Sensor Type	1/2.8" Progressive CMOS		1/3" Progressive CMOS		1/2.8" Progressive CMOS		1/3" Progressive CMOS
Lens Type/ Focal Length/ F-number	30x Optical Zoom Auto Focus/ 5.2 ~ 148.4 mm/ F1.3~4.6		10x Optical Zoom Auto Focus/ 5.1 ~ 51 mm/ F1.6 ~ F1.8		30x Optical Zoom Auto Focus/ 4.3 ~ 129 mm/ F1.6 ~ F4.7		30x Optical Zoom Auto Focus/ 4.3 ~ 129 mm/ F1.6 ~ F4.7
Field of View	54° ~ 2° (H) 42° ~ 1.5° (V)		54° ~ 4.9° (H) 31° ~ 4° (V)		64° ~ 2.3° (H) 36° ~ 1.3° (V)		59° ~ 2° (H) 45° ~ 2° (V)
Day/Night	●		●		●		●
IR Illuminators	200m, IR LED*8		-		-		250 m, IR LED*8
Min. Illumination	0.03 lux @ F1.3 (Color) <0.005 lux @ F1.3 (B/W) 0 lux with IR illumination on		0.2 lux @ F1.6 (Color) 0.01 lux @ F1.6 (B/W)		0.195 lux @ F1.6 (Color) 0.01 lux @ F1.6 (B/W)		0.42 lux @ F1.6 (Color) 0.01 lux @ F1.6 (B/W)
Max. Resolution/ Frame Rate	30 fps @ 2592x1944		30 fps @ 1920x1080		60 fps @ 1920x1080		60 fps @ 1920x1080
WDR Technology*	WDR Pro		WDR Pro		WDR Pro		WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot		MicroSD/SDHC/SDXC card slot		MicroSD/SDHC/SDXC card slot		MicroSD/SDHC/SDXC card slot
Video/Audio/Network							
Video Compression	Triple-Codec (H.265/H.264/MJPEG)		Triple-Codec (H.265/H.264/MJPEG)		Triple-Codec (H.265/H.264/MJPEG)		Triple-Codec (H.265/H.264/MJPEG)
Audio	Two-way Audio (Full duplex)		Two-way Audio (Full duplex)		Two-way Audio (Full duplex)		Two-way Audio (Full duplex)
Digital Input/ Output	2/1		4/2		4/2		2/1
ONVIF	Profile G/S/T		Profile G/S/T		Profile G/S/T		Profile G/S/T
Solution Integration							
Cloud Service	-		-		-		-
Security	Trend Micro IoT Security		Trend Micro IoT Security		Trend Micro IoT Security		Trend Micro IoT Security
VCA	Smart tracking advanced		-		-		Smart tracking advanced
General							
Power Input/ Consumption	AC 24V/ DC 48V/ IEEE 802.3 bt PoE Max. 51 W		AC 24V/ DC 24V/ PoE Max. 15 W		AC 24V/ DC 24V/ 60W UPoE AC/DC 24V: Max. 40/21 W(Heater on/off) PoE (60W): Max. 48/26 W (Heater on/off)		AC 24V/ DC 24V/ 60W UPoE AC/DC 24V: Max. 40/21 W(Heater on/off) PoE (60W): Max. 48/26 W (Heater on/off)
Housing	IP66, IK10, NEMA 4X		-		IP68, IK10, NEMA 4X		IP68, IK10, NEMA 4X
Dimensions	Ø 256 x 336 mm		Ø172 x 157 mm		Ø162 x 221 mm		Ø 162 x 221 mm
Operating Temperature	-50°C ~ 60°C (-58°F ~ 140°F)		-10°C ~ 55°C (14°F ~ 131°F)		-40°C ~ 55°C (-40°F ~ 131°F)		-40°C ~ 55°C (-40°F ~ 131°F)
NDAA Compliance Product	●		-		-		-

* All specifications are subject to change without notice.



Media Converters

Effortless Solutions for converting media



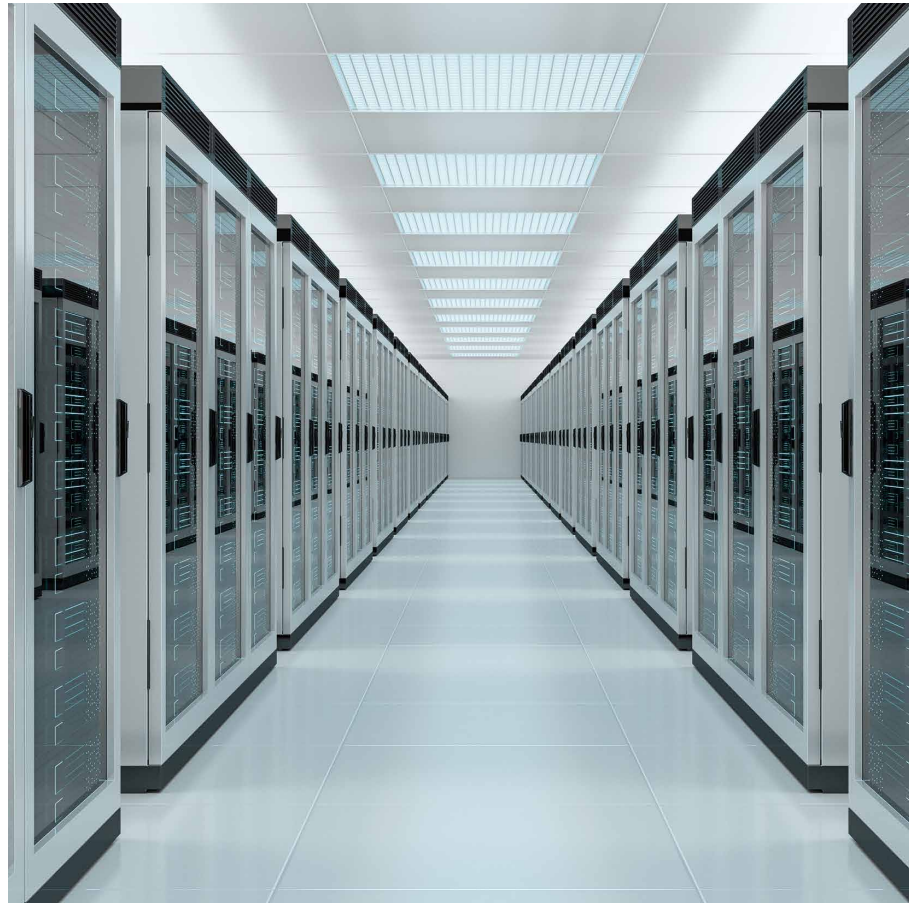
Video Receiver

Easily display network cameras live to an HD monitor



Video Server

Enables users to bring existing analog cameras onto the IP system



Video Receiver



Model	RX9401
Local Display	
Channels	Up to 16 channels
Video Output	HDMI
Display Resolution	3840x2160 1920x1080 1280x720
Fisheye Dewarp	●
Video	
Video Compression	H.265/H.264/MJPEG
Max. Decoding Capacity	H.265/H.264: 3840x2160 @ 30 fps (1CH)
LiveView Decoding (Local)	Up to 3840x2160
General	
Connectors	Ethernet 10/100 RJ45 *1 USB 2.0 *2
Power Input	DC 12V 1.5A
Power Consumption	Max. 9.24 W
Installation, Management, and Maintenance	Shepherd, VAST 2
Weight	530 g

* All specifications are subject to change without notice.

Media Converters

Video Server



Model	VS8100-v2
Features	
Video Source	1 Analog Camera Input
Video Modulation	NTSC/PAL Auto Detection
Max. Resolution/ Frame Rate	30 fps @ 720x480 / NTSC 25 fps @ 720x576 / PAL
Video/ Audio/ Network	
Video Compression	Dual-Codec (H.264/MJPEG)
Audio	One-way Audio
Networking	10/100 Mbps Ethernet
Serial Connectors	RS485
ONVIF	Profile S
Solution Integration	
Security	Trend Micro IoT Security
Motion Detection	●
General	
Power Input/ Consumption	DC 12V/ Max. 3 W
Dimensions	65 (W) x 34 (D) x25 (H) mm
Operating Temperature	0°C ~ 50 °C (32°F ~ 122°F)

Accessories

Enclosures	51	Cables	53
IR Illuminators	51	CaMate IR Illuminators	53
Covers	51	CaMate IR Accessories	53
Lenses	52	Mounting Installation	54



Accessories

Type	Enclosures				
					
Model	AE-238	AE-239	AE-243	AE-244	AE-23A
Description	Value series enclosure 24VAC/VDC input, IP68, IK10	Value series enclosure, PoE input, IP68, IK10	Value series enclosure, built-in fixed 50M IR, 24VAC/VDC input, IP68, IK10	Value Series Enclosure, built-in fixed 50M IR, PoE input, IP68, IK10	Supreme series enclosure, optional VAIR illuminator, 24VAC/28VDC input, IP68, IK10

Type	Enclosures	IR Illuminators for AE-23x Enclosures	Power Adapters	Connector	Joysticks
					
Model	AE-23E-v2	AI-109	AA-221	AN3000	AJ-001/AJ-002
Description	Supreme series enclosure, optional VAIR illuminator, PoE input, IP68, IK10	VAIR illuminator 48W for Supreme series enclosure, adjustable beam angle 10°~30°, 150~350M, -40 °C~50 °C	DC 12V 1.5A power adapter	Outdoor Ethernet waterproof connector	8/29-key USB Joystick

Type	Water Tank	Covers		IO Device	Storage
					
Model	AE-301	AC-215	AC-224	AO-20W	Micron SD
Description	10L, low level alarm pump control via DIDO 0 °C~60 °C [for SD9365-EHL, SD9366-EH(L)]	Smoked cover (Indoor speed dome)	Smoked cover (Indoor fixed dome)	Wiegand Converter (IB9387-LPR/IB9365-LPR)	Micron SD Card 32/64/128/256GB 512GB/1TB

* All specifications are subject to change without notice.

Accessories

Type	Lenses				
					
Model	AL-232	AL-237	AL-239	AL-23D	AL-242
Description	CS mount, 3.1~8mm, F1.2, DC-Iris, 1/2.7" (IP9167-HP)	CS mount, 4.1~9mm, F1.6, DC-iris, 1/1.8" (IP9181-H)	C mount, 8~80mm, F1.6, DC-iris, 1/2" (IP9165-HT/HP/LPC)	C Mount, 25~135mm, F1.8, DC-iris, 1/1.8" (IP9165-LPC-v2, IP9165-HT-v2)	CS mount, 12.5~50mm, F1.4, P-iris, 1/2.7" (IP9171-HP)

Type	Lenses				
					
Model	AL-243	AL-247	AL-248	AL-24A	AL-24B
Description	CS mount, 7~22mm, F1.4, P-iris, 1/2.7" (IP9171-HP)	CS mount, 2.8~8mm, F1.2, P-iris, 1/3" (IP9171-HP)	CS mount, 12~50mm, F1.8, P-iris, 1/1.7" (IP9165-HP/HT/LPC, IP9181-H, IP9191-HP/HT)	CS mount, 12~40mm, F1.8, P-iris, 1/1.8" (IP9165-HP/HT/LPC, IP9167-HP, IP9171-H)	CS mount, 3.6~17mm, F1.5, P-iris, 1/1.8" (IP9165-HP/HT/LPC)

Type	Lenses				
					
Model	AL-24E	AL-24F	AL-24G	AL-251	AL-252
Description	CS Mount, 3.9~10mm, F1.5, P-iris, 1/1.8" (IP9165-HP/HT/LPC , IP9191-HP/HT)	4.4 ~ 10mm, F1.3, P-iris (IP9165-HT-v2, IP9165-LPC-v2)	10 ~ 40mm, F1.3, P-iris (IP9165-HT-v2, IP9165-LPC-v2)	CS-Mount, 3.9~10mm, F1.5, i-CS, 1/1.8" (IP9165-HT/LPC, IP9191-HT)	CS-Mount, 9 ~ 50mm, F1.5~1.6, i-CS, 1/1.8" (IP9165-HT/LPC, IP9191-HT)

* All specifications are subject to change without notice.

Accessories

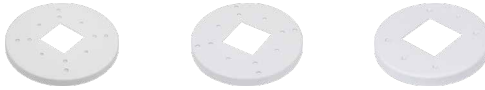
Type	Cables				
					
Model	AO-003	AO-004	AO-005	AO-006	AO-007
Description	I/O Cable for speed dome (SD9161-H, SD9361/2/3/4-EH(L))	M12 (D Code 4-Pin Male) to RJ45 Cable (60cm)	Power Cable with DI	IO Cable for MA9321-EHTV/MA9322-EHTV	Combo cable for speed dome (SD9365/6-EH(L))

Type	CaMate IR Illuminators			CaMate IR Accessories	
					
Model	CM32 Series	CM48 Series	CA80 Series	AM-219	CMA-B01/ CMA-B03
Description	32W, 12 pcs IR LED, 850nm, 10° or 35°	48W, 24 pcs IR LED, 850nm, 10°~180° Adjustable beam angle	80W, 24 pcs IR LED, 850nm, 10°~40° Adjustable beam angle via RS485 or remote control	L Bracket for dual or triple CaMate	L Bracket/ U Bracket

Type	CaMate IR Accessories				
					
Model	CMA-B04	CMA-B05	CMA-B06	CMA-A01	CMA-E01
Description	Wall mount for dual camate with pan angle	Wall mount for dual camate with pan and tilt angle	Wall mount for triple camate	Laser alignment	Remote control

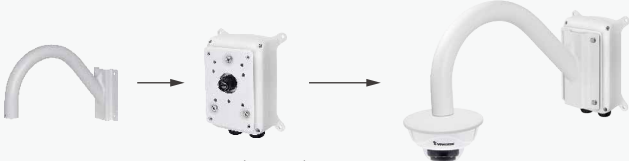
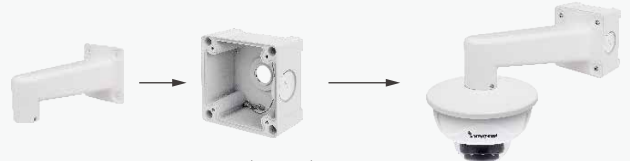
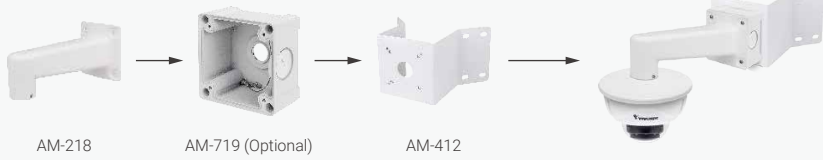
* All specifications are subject to change without notice.

Accessories

Outdoor										
Application	L-Shape Wall Mount		Adapter Plate			Mounting Adapter / Conduit Box				
										
Model	AM-21A (V02)	AM-21M (V02)	AM-51C	AM-51D	AM-51G	AM-525	AM-528	AM-52E	AM-713+522	AM-71B+522
FD9360-H / FD9380-H										
	●				●			●		
FD9365-A Series / FD9387-A Series / FD9391-EHTV										
	●		●			●			●	
FD9366-HV										
		●								
FD9368-HTV / FD9388-HTV / FD9389-v2 Series										
	●			●			●			●
IT9360-H / IT9380-H / IT9389-H/HT										
		●						●		
IT9388-HT										
	●				●			●		●

* Please select the correct mounting adapter/conduit box for each mounting scenario.

Accessories

Outdoor										
Pendant Mount*										
1  AM-116/117 AM-114										
Wall Mount*										
1  AM-221 AM-718 (Optional) 2  AM-218 AM-719 (Optional)										
Pole Mount*										
1  AM-221 AM-718 (Optional) AM-314 or AM-315 2  AM-218 AM-719 (Optional) AM-312										
Corner Mount*										
1  AM-221 AM-718 (Optional) AM-414 2  AM-218 AM-719 (Optional) AM-412										

* Please select the correct mounting adapter/conduit box for each mounting scenario.

Accessories

Outdoor					Indoor						
Application	L-Shape Wall Mount	Adapter Plate	Mounting Adapter	Conduit Box	Ceiling Mount	L-Shape Wall Mount	Wall Mount Bracket	Adapting Plate			
											
Model	AM-21M (V03)	AM-51H	AM-52E (V02)	AM-71E (V02)	AM-105	AM-21A (V02)	AM-21B	AM-216	AM-514	AM-51D	AM-51E
FD9369											
	●	●	●	●							
FD9166-HN											
							●				●
FD9165-HT-A / FD9187 Series											
					●	●		●			
FD9189 Series											
						●			●		
FE9180-H / FE9191-H-v2											
							●				

* Please select the correct mounting adapter/conduit box for each mounting scenario.

Accessories

Indoor			
Mounting Adapter/ Conduit Box			
			
AM-71F	AM-52B	AM-527	AM-712+AM-522
●			
	●		●
		●	
	●		●

Outdoor/ Indoor

Pendant Mount*


AM-116/117

→


AM-114

→




AM-116/117

→


AM-118

→



Wall Mount*

1


AM-221

→


AM-718 (Optional)

→



2


AM-218

→


AM-719 (Optional)

→



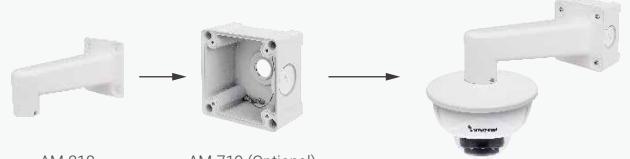
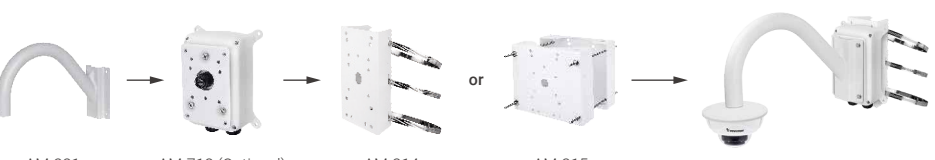
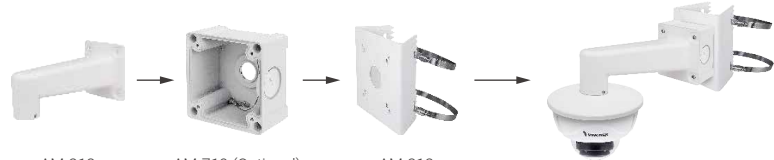
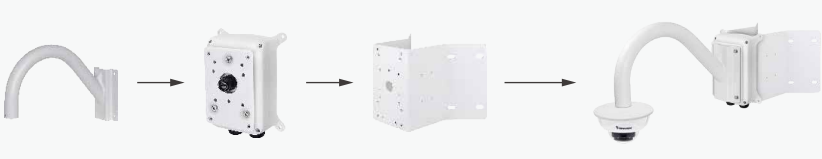
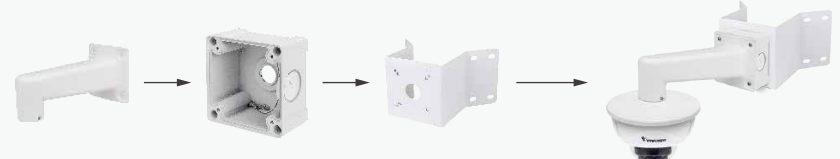
Accessories

Outdoor			
Application	Pole Mount Adapter		Corner Mount Adapter
			
Model	AM-21N	AM-312	AM-412
MS9390-HV			
	●		
MS9321-EHV			
		●	●

Outdoor	
Application	Mounting Adapter
	
Model	AM-525
FE9380-HV	
	●
FE9391-EHV-v2 / FE9382-EHV-v2	
	●

* Please select the correct mounting adapter/conduit box for each mounting scenario.
* To mount outdoor fisheye camera to AM-520, please use the inbox plate included with the fisheye camera.

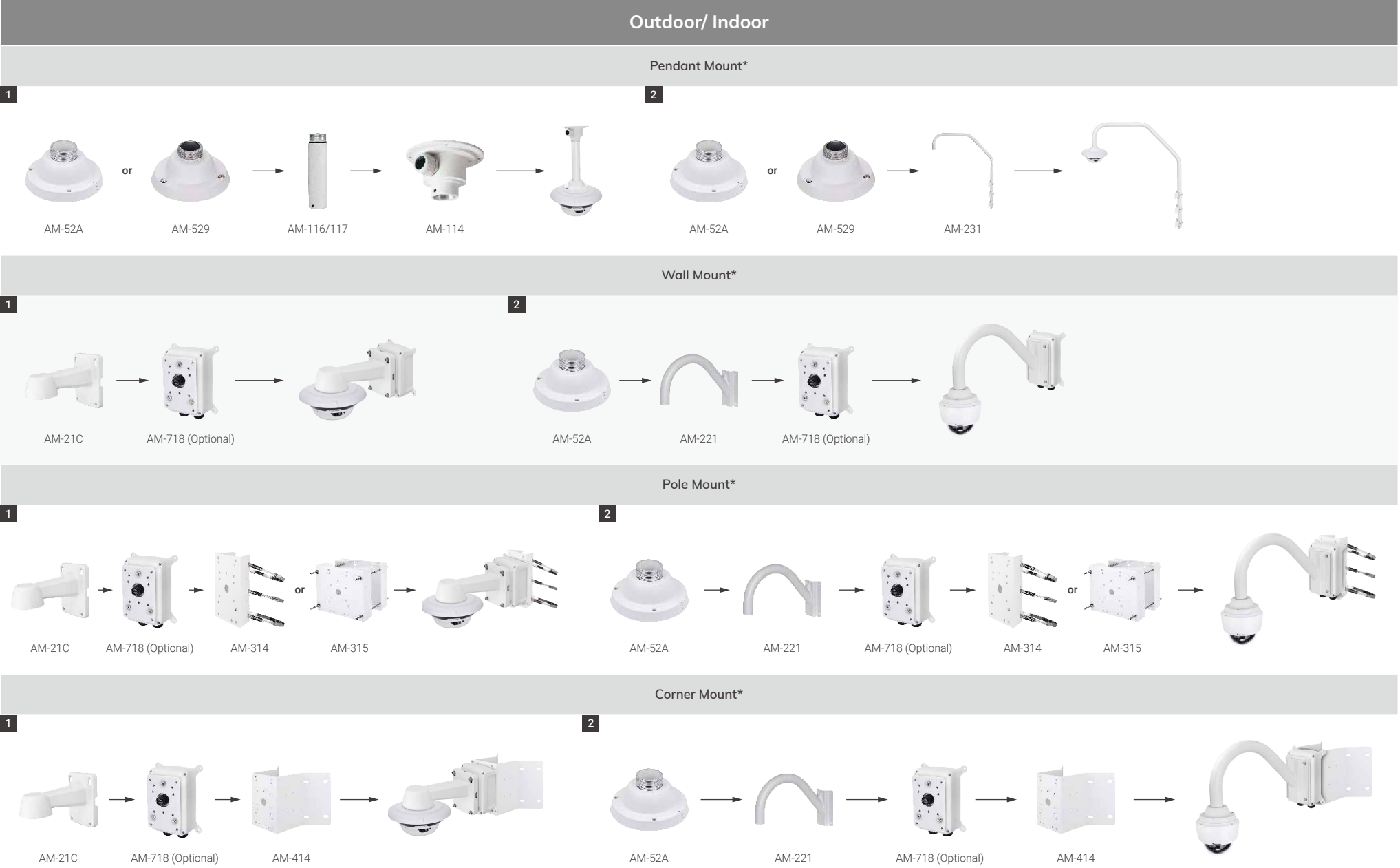
Accessories

Outdoor			
Pendant Mount*			
1			
	AM-116/117	AM-114	
Wall Mount*			
1			
	AM-221	AM-718 (Optional)	
2			
	AM-218	AM-719 (Optional)	
Pole Mount*			
1			
	AM-221	AM-718 (Optional)	AM-314 or AM-315
2			
	AM-218	AM-719 (Optional)	AM-312
Corner Mount*			
1			
	AM-221	AM-718 (Optional)	AM-414
2			
	AM-218	AM-719 (Optional)	AM-312

Accessories

Outdoor/ Indoor						
Application	Ceiling Mount		Wall Mount Bracket	Mounting Adapter		
						
Model	AM-107	AM-10D	AM-10F	AM-21C	AM-529	AM-52A
MA9321-EHTV						
		●		●	●	
MA9322-EHTV						
			●	●	●	
SD9161-H						
	●			●		●

Accessories

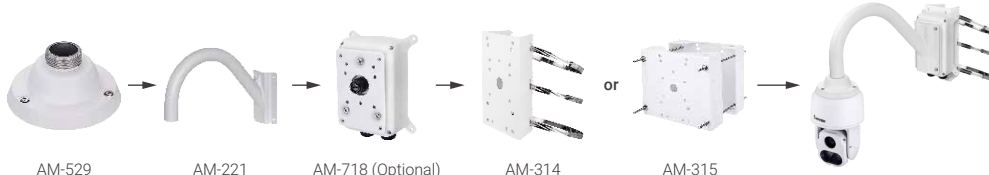


* Please select the correct mounting adapter/conduit box for each mounting scenario.

Accessories

Outdoor			
Application	Ceiling Mount	Wall Mount Bracket	Mounting Adapter
			
Model	AM-10E	AM-220	AM-529
SD9362-EH-v2 / SD9362-EHL			
	●	●	●
SD9368-EHL / SD9384-EHL			
		●	●

Accessories

Outdoor	
Cabinet	Pendant Mount*
1 AM-22 AT-CAS-001	2 AM-529 AM-116/117 AM-114
Wall Mount*	
1 AM-220 AM-718 (Optional)	2 AM-529 AM-221 AM-718 (Optional)
Pole Mount*	
1 AM-220 AM-718 (Optional) AM-314 or AM-315	2 AM-529 AM-221 AM-718 (Optional) AM-314 or AM-315
Corner Mount*	
1 AM-220 AM-718 (Optional) AM-414	2 AM-529 AM-221 AM-718 (Optional) AM-414

* Please select the correct mounting adapter/conduit box for each mounting scenario.

Accessories

Outdoor							
Application	Wall Mount Bracket	Pole Mount Adapter	Corner Mount Adapter	Adapting Plate	Junction Box		Conduit Box
							
Model	AM-21D/AM-21E	AM-312	AM-412	AM-523	AM-719	AM-71C	AM-71E
AE Series							
	●						
IB9360-H / IB9380-H/ IB9369							
		●	●	●		●	●
IB9365-A Series / IB9387 Series / IB9391-EHT							
		●	●		●		
IB9368-HT / IB9388-HT / IB9389 Series							
		●	●	●		●	
TB9330-E / TB9331-E							
		●	●				

* Please select the correct mounting adapter/conduit box for each mounting scenario.

Accessories

A vertical strip of a document page showing a table with two columns: "Indoor" and "Conduit Box". The "Indoor" column contains a circular image of a white electrical box labeled "AM-71F". The "Conduit Box" column is empty. The page has a repeating pattern of light gray and white horizontal stripes.

AIoT Surveillance Solution

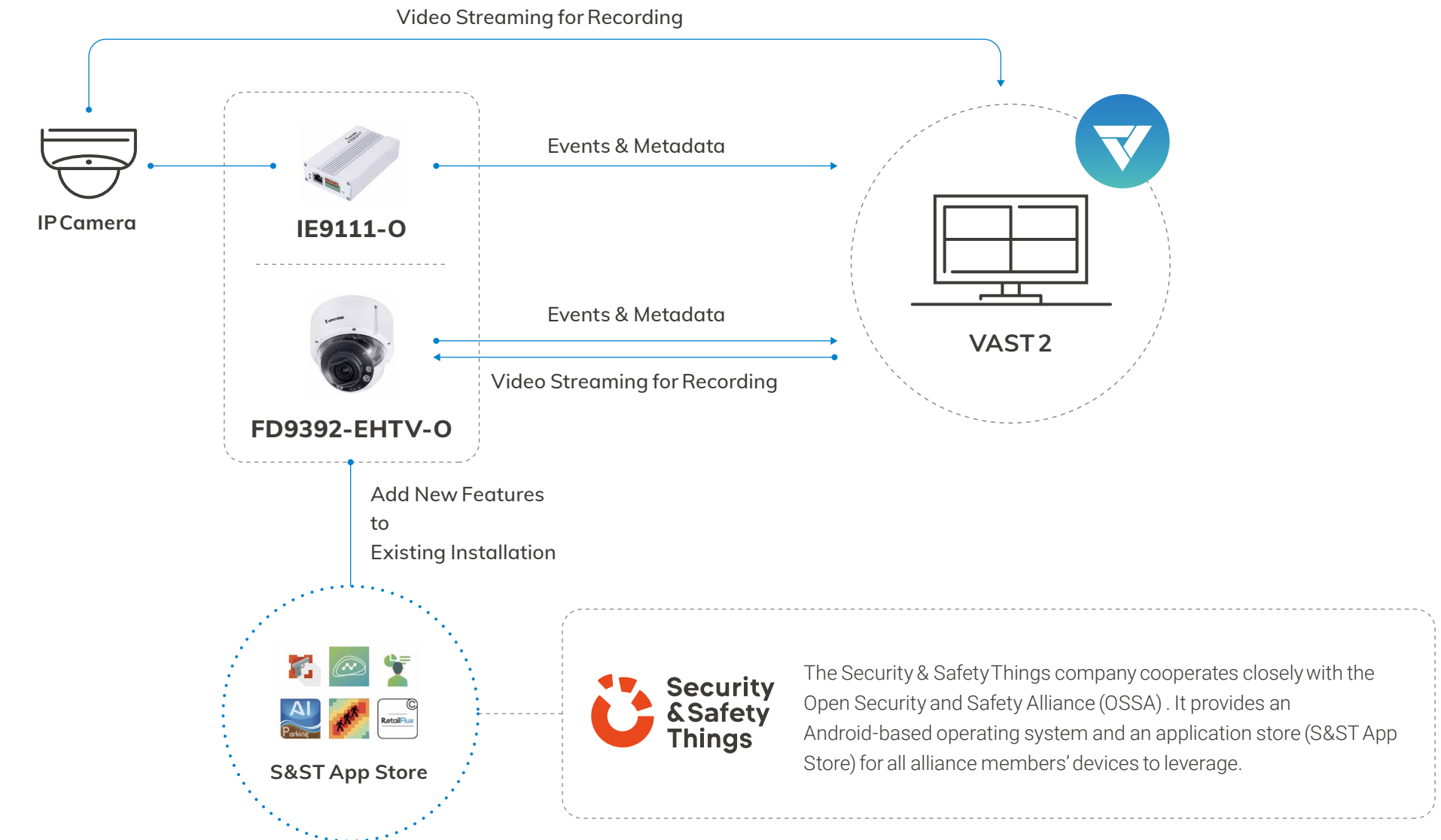
Empowering AI on Surveillance Systems

VIVOTEK debuts its iNSIGHT series solutions driven by the Open Security & Safety Alliance. OSSA® was founded by VIVOTEK and 4 other leading companies in the IP surveillance industry. The iNSIGHT series represents the future of implementing an open platform into physical surveillance products, enabling system integrators, software application developers and users to cooperatively create in an open, efficient, and intelligent AI video age.



AIoT Solution

Upgrade your Network Cameras to AIoT Devices via Clicks



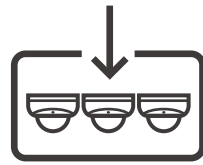


Accelerate your Time to Market with Ease



Reduce development time

Eliminates the need to develop apps individually for specific cameras. You can now simply install diverse apps from the S&ST App Store.



Deploy AI technologies on demand

Discarding the difficulties of development, you can now pick the right apps that fulfill your needs from the App store, discover the world of AI technology anytime, and remove them as needed.



Secure your systems anytime, anywhere

All the OSSA devices and Apps are certified to assure cybersecurity, protecting your data & privacy. The database & new features can be updated online.

Applications



Pantograph Security



Face Mask Detection



Retail
(Counting / Heatmap)



PPE
Inspection



Seat-Occupancy
Detection



Gun
Detection



Fire and Smoke
Detection



AI-Box



NEW



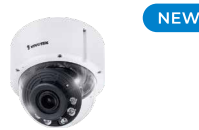
NEW

Model	IE9111-O	IE9111-O (M12)
Short Highlight	Driven by OSSA, S&ST OS, Edge AI, VCA	Driven by OSSA, S&ST OS, Edge AI, VCA, M12 Connector, EN50155
Decoding	H.264/H.265: 60 fps @ 3840 x 2160 (4K)	H.264/H.265: 60 fps @ 3840 x 2160 (4K)
Channel	1-CH Video Source 4-CH RTSP Streaming	1-CH Video Source 4-CH RTSP Streaming
AI Engine	Qualcomm® Neural Processing SDK, ONNX, Android NN, Caffe, 2.1 TOPS @ 1w, Caffe2, Tensorflow	Qualcomm® Neural Processing SDK, ONNX, Android NN, Caffe, 2.1 TOPS @ 1w, Caffe2, Tensorflow
VCA	Supported by S&ST APPs	Supported by S&ST APPs
Embedded App	iNSIGHT Event Adapter	iNSIGHT Event Adapter
Interface	RJ-45	M12 (D-code 4 pin)
Networking	10/100/1000 Mbps Ethernet	10/100 Mbps Ethernet
Power Input	IEEE 802.3af Class3 PoE	IEEE 802.3af Class3 PoE
Power Consumption	Max. 12 W	Max. 12 W
Digital Input /Output	2 / 2	2 / 2
Dimensions	123 x 74 x 30 mm	123 x 74 x 30 mm
Weight	230g	230g
Operating Temperature	-25°C ~ 55 °C (-13°F ~ 131°F)	-25°C ~ 55 °C (-13°F ~ 131°F)

* All specifications are subject to change without notice.

AIoT Solution

8MP Fixed Dome



NEW

Model	FD9392-EHTV-O
Camera Features	
Sensor Type	1/1.8" Progressive CMOS
Lens Type/ Focal Length/ F-number	Motorized/ 3.9 ~ 10 mm / F1.5 ~ F2.7
Field of View	119° ~ 45° (H) 63° ~ 25° (V)
Day/Night	●
IR Illuminators	50 m, IR LED*5
Min. Illumination	0.28 lux @ F1.5 (Color) 0.005 lux @ F1.5 (B/W) 0 lux with IR illumination on
Max. Resolution/ Frame Rate	30 fps @ 3840x2160
WDR Technology*	WDR Pro
On-board Storage	MicroSD/SDHC/SDXC card slot
Video/ Audio/ Network	
Video Compression	Dual-Codec (H.265/H.264)
Audio	-
Digital Input/ Output	1/1
ONVIF	Supports Device Discovery
Solution Integration	
VIVOCloud	-
Security	Secure boot
VCA	Supported by S&ST APPs
General	
Power Input/ Consumption	AC 24V/ DC 12V/ PoE Max. 25 W (Heater on)
Housing	IP66, IP67, IK10, NEMA 4X
Dimensions	Ø155 x 138 mm
Operating Temperature	-50°C ~ 60°C (-58°F ~ 140°F)

Network Video Recorders

Core+ 72
Desktop NVR 74
Rack Mount NVR 78

CMS Station 80
Mobile NVR 81



Naming Rule

For NVR Model

ND	9	3	2	2	P	-	v2
1-2 nd	3 rd	4 th	5 th	6 th	7 th		8 th

1-2 nd Model Category	
Code	Description
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
NS	Network Station (CMS Station)

3 rd A/V Type	
NO.	Description
8	H.264 / MJPEG
9	H.265 / H.264 / MJPEG

4 th Amount of Channel	
NO.	Description
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

5 th ND/NV/RX Series - HDDs	
NO.	Description
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

5 th NR Series - HDD Group	
NO.	Description
8	8 HDD for 1 Group

6 th Revision for ND/NV/RX Series	
NO.	Description
1~9	Not Specified

6 th Revision for NR* Series	
NO.	Description
1~9	Multiplied by the Number of HDD Group

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

7 th Extension/Feature for ND/NV/RX	
NO.	Description
P	PoE
W	Wireless Application

7 th Extension for NR/NS Series	
NO.	Description
(A)	New version

8 th Digit Extension	
NO.	Description
v	1 - 99

SVC Definition

S SERIES	Description
	Top tier, cutting edge technology
S SERIES	Definition
	Supreme Products

V SERIES	Description
	Advanced and feature rich for most applications
V SERIES	Definition
	Standard Products

C SERIES	Description
	Cost effective models for professional surveillance
C SERIES	Definition
	Cost Effective Products



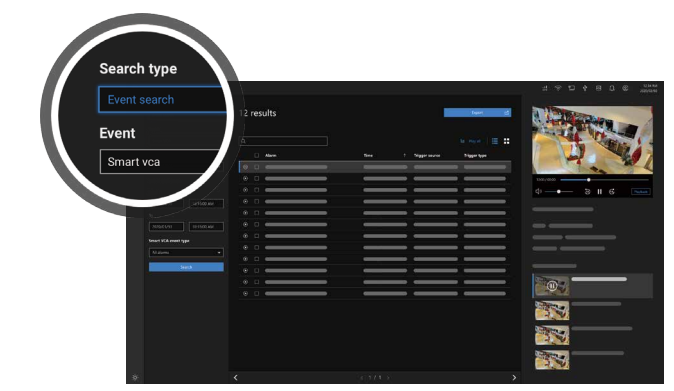
Core+

Advanced Firmware for NVR



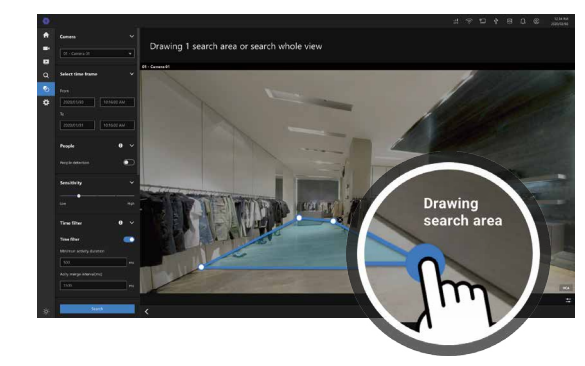
Cybersecurity Management

In alliance with world-renowned cybersecurity company Trend Micro, Core+ NVRs support Trend Micro IoT Security, empowering the NVRs to automatically detect and prevent credential-based attacks and block suspicious events. VIVOTEK network cameras enabled with Trend Micro IoT Security can also connect with Core+ NVRs, enabling the NVRs to receive instant notifications of security events from the cameras and to understand the type and status of cyber-attacks, as well as to acquire attack information from cameras. In addition, VAST 2 (VMS) receives information on security protection attacks from Core+ NVRs and VIVOTEK cameras.



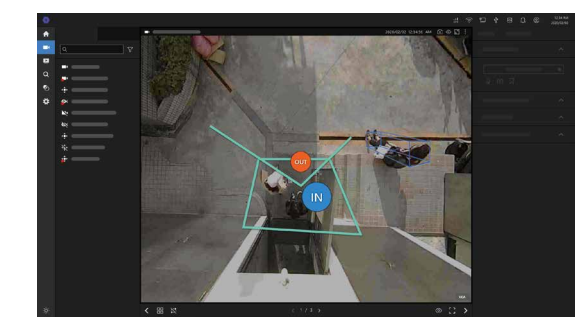
Smart VCA Event Search

Core+ NVRs support alarm management and event search of VIVOTEK's deep-learning video analytics technology - Smart VCA. VCA rules and data such as people-tracking frames and motion-detection frames can be shown on live or playback video display. Users can search by single or multiple events, playback triggered events and then export these search results to video clips.



Smart Search II

Cameras supporting VIVOTEK Smart Motion Detection technology, which detects activities of people, can also connect with Core+ NVRs. Based on camera metadata recorded on the NVRs hard disk drives, the NVRs can then deploy the advanced Smart Search II technology, activate the people detection function, and proceed to search the corresponding playback video. This enables faster sorting of large amounts of evidence to find precisely what is needed.



Counting Solution

Core+ NVRs support VIVOTEK's 3D people counting cameras and cloud service software – VIVOCLOUD. Counting rules can be shown on the NVR's video display from counting cameras. Furthermore, all of the counting data can be stored automatically to the NVR's hard drive as well as be acquired by VIVOCLOUD. Users can also build customized counting reports through the VIVOCLOUD interface. This enables tracking of in-store customer flow and benchmarking of campaign performance between different stores or across different time frames to make business more efficient.

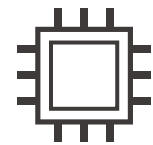


VIVOTEK Core+ is the next generation ND series network video recorder firmware, embedded with VIVOTEK's latest technology featuring cybersecurity management, Smart VCA event search, Smart Search II functions, and counting solutions. Upgrade your network video recorder's capabilities to Core+ for a smarter, safer and smoother user experience.

* Some models may not include all Core+ features. Be sure to check the specific model's specifications.

Desktop NVR

Intelligent Features and Cybersecurity Protection, Ideal for Middle-large Scale Systems and General Surveillance



Core+

VIVOTEK Core+ supporting Smart VCA, Smart Search II and Cybersecurity Management, offering a smarter and smoother user experience

4K

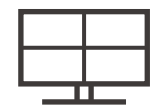
4K Display

H.265/H.264 supported, 4K decoding and local display for clear and vivid monitoring



RAID Supported*

RAID 0/1/5 configuration provides further data security in case of a rare event hard drive failure



CMS Management

License-free for VIVOTEK VAST 2 CMS management, empowering users to set up and manage surveillance systems with ease



Retail



City Surveillance

* Available on selected models

NVR

NVR

Network Video Recorders



Model	ND9441/ ND9541	ND9441P/ ND9541P	ND9323P/ ND9425P	ND9213P
Local Display				
Channels	Up to 16/32 channels	Up to 16/32 channels	Up to 8/16 channels	Up to 4 channels
Video Output	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA
Display Resolution	3840x2160/ 1920x1080/ 1280x720	3840x2160/ 1920x1080/ 1280x720	3840x2160/ 1920x1080/ 1280x720	3840x2160/ 1920x1080/ 1280x720
Fisheye Dewarp	●	●	Available by 2021 Q3	Available by 2021 Q3
Video/ Record				
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Decoding Capability	H.265/H.264: 3840x2160 @ 120 fps	H.265/H.264: 3840x2160 @ 120 fps	H.265/H.264: 3840x2160 @ 30 fps	H.265/H.264: 3840x2160 @ 30 fps
Decoding Resolution (Local)	Up to 4096x4096 (H.265) Up to 8192x8192 (H.264)	Up to 4096x4096 (H.265) Up to 8192x8192 (H.264)	Up to 3840x2160	Up to 3840x2160
Recording Throughput	192 Mbps	192 Mbps	64 Mbps	64 Mbps
Storage/ General				
Hard Disk	3.5" SATA HDD*4	3.5" SATA HDD*4	3.5" SATA HDD*2	3.5" SATA HDD*1
RAID	RAID 0, 1, 5	RAID 0, 1, 5	RAID 0, 1	-
PoE	-	16x 802.3at/af Compliant PoE Ports (Total Max. 160 W)	8/16x 802.3at/af Compliant PoE Ports (Total Max. 120 W/200 W)	4x 802.3at/af Compliant PoE Ports (Total Max. 50 W)
Connectors	Ethernet 10/100/1000 RJ45 *2 Alarm In *8, Alarm Out *4 USB 2.0 *2, USB 3.0 *1 Audio Output *1 Audio Input *1 (Reserved) RS485 (Reserved)	Ethernet 10/100/1000 RJ45 *2 Alarm In *8, Alarm Out *4 USB 2.0 *2, USB 3.0 *1 Audio Output *1 Audio Input *1 (Reserved) RS485 (Reserved)	Ethernet 10/100/1000 RJ45 *1 Alarm In *4, Alarm Out *1 USB 2.0 *1, USB 3.0 *1 Audio Output *1 Audio Input *1 (Reserved)	Ethernet 10/100 RJ45 *1 Alarm In *4, Alarm Out *2 USB 2.0 *1, USB 3.0 *1 Audio Output *1 Audio Input *1 (Reserved)
Power Input	DC 56V 2.32A	AC 100 ~ 240V/ 50 ~ 60Hz	AC 100 ~ 240V/ 50 ~ 60Hz	DC 48V 2A
Power Consumption	Max. 76 W	Max. 260 W	Max. 175 W/255 W	Max. 96 W
Installation, Management, and Maintenance	VAST 2, Shepherd, VIVOCLOUD, iViewer (iOS/Android)	VAST 2, Shepherd, VIVOCLOUD, iViewer (iOS/Android)	VAST 2, Shepherd, VIVOCLOUD, iViewer (iOS/Android)	VAST 2, Shepherd, VIVOCLOUD, iViewer (iOS/Android)
Dimensions	430 (W) x 400 (D) x 44.5 (H) mm	430 (W) x 400 (D) x 44.5 (H) mm	360 (W) x 311 (D) x 44 (H) mm	264 (W) x 247 (D) x 43 (H) mm
Core+				
Smart VCA Event Search	●	●	●	●
Smart SearchII	●	●	-	-
Cybersecurity Management	●	●	Available by 2021 Q3	Available by 2021 Q3
Trend Micro IoT Security	●	●	Available by 2021 Q3	Available by 2021 Q3
NDAA Compliance Product	-	-	●	●

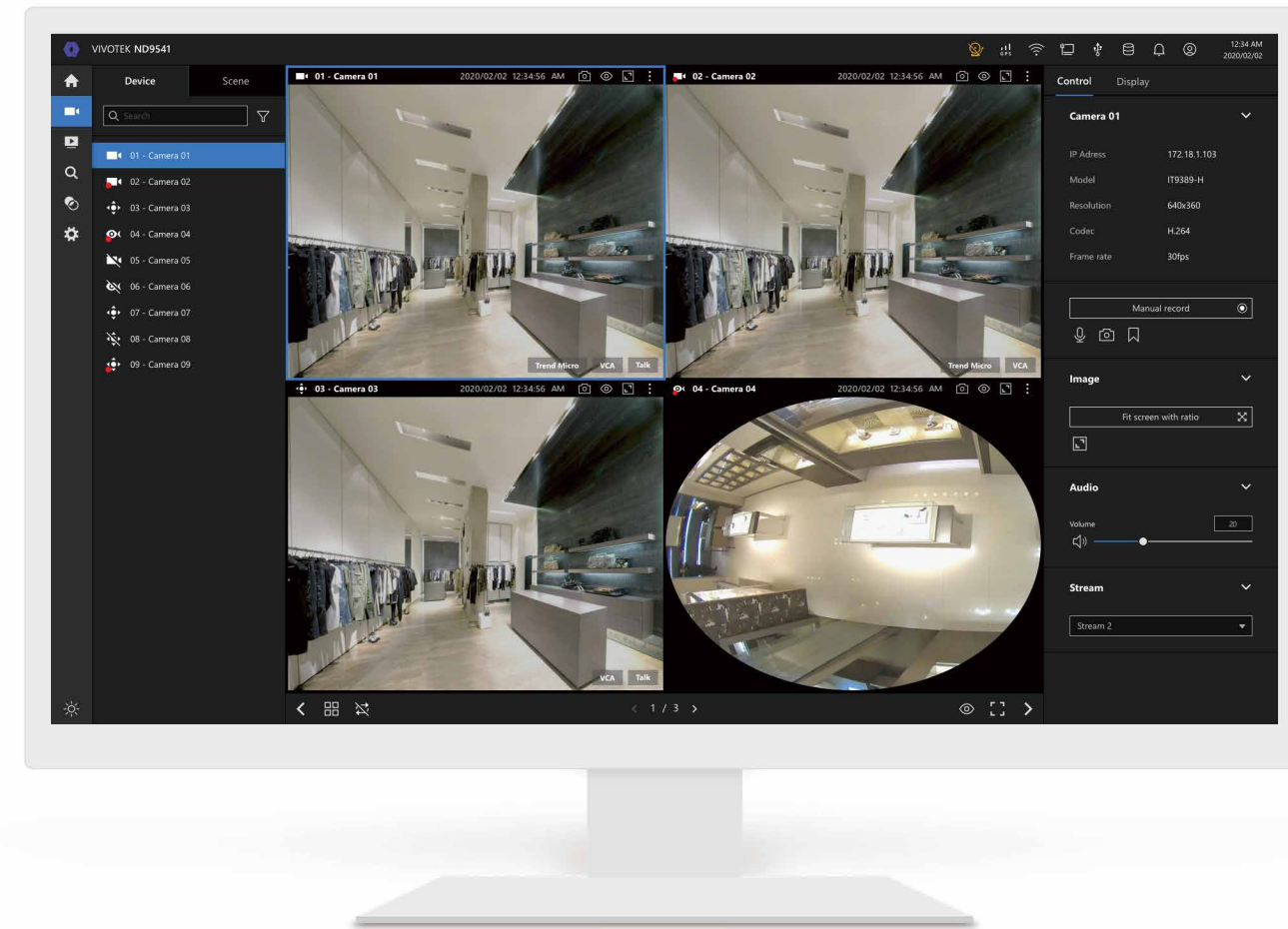
* All specifications are subject to change without notice.

Enjoy Intuitive Design, Make Everything Simple

Discover the brand new web UI design for NVR

Same Dynamic NVR, New Dynamic Experience

Enjoy a Fresh Look with Refined Features



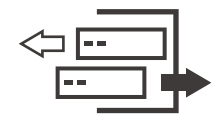
Rack Mount NVR

Super Performance and Reliability for Large Scale Systems



Enhanced Decoding Capability

H.265/H.264 supported with enhanced decoding capability for high resolution video cameras up to 20MP



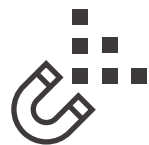
Hot-Swappable HDD

Supports Hot-Swappable HDD bays with RAID 0/1/5/6/10, and NVR failover for reliable and secure recording data



Embedded VAST 2

Built-in VIVOTEK VAST 2, supporting various VIVOTEK solutions such as Smart VCA, Cybersecurity Management, Transportation, and License Plate Recognition



Data Magnet Solution

Embedded free Data Magnet for easy integration with 3rd party devices and software



Industry



Transportation

Rack Mount NVR



Model	NR9682-v2/ NR9782-v2	NR9581-v2/ NR9681-v2
Display		
Channels	Up to 64/128 channels	Up to 32/64 channels
Video Output	HDMI/DP/DVI	HDMI/DP
Display Resolution	HDMI: 1920x1080/ DVI: 1920x1080 DP: 4096x2304	HDMI: 4096x2160 DP: 4096x2304
Fisheye Dewarp	●	●
Video/ Record		
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Decoding Capability	H.264: 1920x1080 @ 540 fps H.265: 1920x1080 @ 270 fps	H.264: 1920x1080 @ 540 fps H.265: 1920x1080 @ 270 fps
Decoding Resolution (Local)	Up to 8192x8192	Up to 8192x8192
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	RAID 0, 1, 5, 6, 10
Connectors	Ethernet 10/100/1000 RJ45 * 2 USB 2.0 x2, USB 3.0 x8 Microphone Audio Jack Input x1 3.5 Line Output Audio Jack x1	Ethernet 10/100/1000 RJ45 * 2 USB 3.0 Type-A x3, USB 3.0 Type-C x1 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/ 50 ~ 60Hz	Redundant Power AC 100 ~ 240V/ 50 ~ 60Hz
Power Consumption	Max. 550 W	Max. 650 W
Installation, Management, and Maintenance	VAST 2, Shepherd, iViewer (iOS/Android)	VAST 2, Shepherd, iViewer (iOS/Android)
Dimensions	435 (W) x 540 (D) x 132 (H) mm	437 (W) x 647 (D) x 89 (H) mm
Advanced Features		
Cybersecurity Management	●	●
Data Magnet	●	●
Failover	●	●
LPR Solution	●	●
Smart VCA Event	●	●
Smart Search II	●	●
NDAA Compliance Product	●	●

* All specifications are subject to change without notice.

CMS Station

Compact but Powerful,
Offering All-in-One Central System Management



Enhanced Decoding Capability

H.265/H.264 supported with enhanced decoding capability for high resolution video cameras



Expandable

Default 32CH, expandable up to 64CH with license purchase



Embedded VAST 2

Built-in VIVOTEK VAST 2, supports multiple VIVOTEK solutions such as Smart VCA, Cybersecurity Management, Transportation, and License Plate Recognition

CMS Station (Central Management System)

	
	
Model	NS9521
Display	
Channels	32 channels (Up to 64CH by license purchasing)
Video Output	HDMI/DP/DVI
Display Resolution	HDMI: 4096x2160/ DVI: 1920X1200 DP: 4096x2304
Fisheye Dewarp	●
Video/ Record	
Video Compression	H.265/H.264/MJPEG
Max. Decoding Capability	H.264: 1920x1080 @ 540 fps H.265: 1920x1080 @ 270 fps
Decoding Resolution (Local)	Up to 8192x8192
Recording Throughput	400 Mbps
Storage/ General	
Hard Disk	3.5" SATA HDD*2
RAID	-
Connectors	Ethernet 10/100/1000 RJ45 *2 USB 2.0 x4 USB 3.1 (type A) x2, USB 3.1 (type C) x2 Microphone Audio Jack Input x1 3.5 Line Output Audio Jack x1 COM Port x2
Power Input	AC 100 ~ 240V/ 50 ~ 60Hz
Power Consumption	Max. 250 W
Installation, Management, and Maintenance	VAST 2, Shepherd, iViewer (iOS/Android)
Dimensions	96 (W) x 365 (D) x 330 (H) mm
Advanced Features	
Cybersecurity Management	●
Data Magnet	●
Failover	●
LPR Solution	●
Smart VCA Event	●
Smart Search II	●
NDAA Compliance Product	●

* All specifications are subject to change without notice.

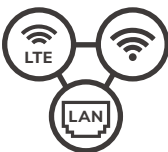
Mobile NVR

Various Functionalities Designed for
Transportation Applications



Real-time Live Display

Provides 1080p 8/16-CH real-time live display with recording efficiency using advanced H.265 video compression technology



Variety of Connection Options

Multiple network interfaces such as LAN, WiFi and LTE for variable network connections



GPS Tracking

The embedded GNSS receiver supports GPS, GALILEO and GLONASS systems for applications in different locations

Mobile Network Video Recorder

	
	
Model	NV9311P/ NV9411P
Local Display	
Channels	Up to 8/16 channels
Video Output	HDMI x1, VGA x1
LiveView (Local) Decoding	Up to 4096x4096 (H.265) Up to 8192x8192 (H.264)
Display Resolution	3840x2160/ 1920x1080/ 1280x720
Fisheye Dewarp	●
Video/ Record	
Video Compression	H.265/H.264/MJPEG
Max. Decoding Capability	H.265/H.264: 3840x2160 @ 120 fps
Recording Throughput	64 Mbps
Network/ System	
WiFi	IEEE802.11a/b/g/n/ac (Optional)
Mobile Network	LTE (Optional)
GNSS	●
G Sensor	G-sensor Event
Storage/ General	
Hard Disk	2.5" SATA HDD/SSD x 1
Connectors	Ethernet 10/100/1000 RJ45 *1 Alarm In *8, Alarm Out *4 USB 2.0 *3, Audio In/Out *1 RS232 (Reserved)
PoE	8x 802.3at/af Compliant PoE Ports (Total Max. 64 W)
Power Input	DC 12 ~ 48V
Power Consumption	Max. 149 W
Installation, Management, and Maintenance	VAST 2, Shepherd, iViewer (iOS/Android)
Dimensions	284 (W) x 230 (D) x 90 (H) mm
NDAA Compliance Product	-

* All specifications are subject to change without notice.

PoE Network Products



PoE Network Products

A full range of applications designed for video surveillance system, including power-surge prevention from lightning strike damage, network management, multiple topology views for cameras, and more.



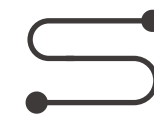
Network & PoE Management

- 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



300m~1.2km

Long Range PoE Extension

- 300m~1.2km PoE Delivery
- Daisy Chain and Ring Connection
- Support Multiple Cameras with Single Power Source

Intuitively Managing IP Surveillance



PoE

Commercial					
Type	VivoCam L2+ Managed PoE Switch		VivoCam Web Smart Managed PoE Switch		
					
Model	AW-GEV-267A-370	AW-GEV-107A-130	AW-GEV-264B-370	AW-GEV-184B-250	AW-GEV-104B-130
Description	24xGE PoE + 2xGE Combo + 1xRJ45 Console	8xGE PoE + 2xGE Combo + 1xRJ45 Console	24xGE PoE + 2xGE SFP/ Per Port Max. 30W, Power Budget 370W	16xGE PoE + 2xGE SFP/ Per Port Max. 30W, Power Budget 250W	8xGE PoE + 2xGE SFP/ Per Port Max. 30W, Power Budget 130W
Type	10G L2+ Managed Switch	Unmanaged FE PoE Switch			
					
Model	AW-GTS-287A	AW-FGT-260D-380	AW-FGT-180D-250	AW-FGT-100D-120	AW-FET-060C-065
Description	20xGE SFP + 4xCombo GE + 4x10G SFP	24xFE PoE + 2xGE Combo/ Per Port Max. 30W, Power Budget 370W	16xFE PoE + 2xGE Combo/ Per Port Max. 30W, Power Budget 250W	8xFE PoE + 2xGE Combo Switch /Per Port Max. 30W, Power Budget 115W	4xFE PoE + 2xFE UTP Switch /Per Port Max. 30W, Power Budget 60W
Type	Unmanaged GE PoE Switch		PoE Injector		
					
Model	AW-GET-100A-120	AW-GET-050A-065	AP-FIC-010A-015	AP-GIC-010A-030	AP-GIC-011A-060/-095
Description	8xGE PoE + 2xGE SFP/ Per Port Max. 30W, Power Budget 115W	4xGE PoE + 1xGE/ Per Port Max. 30W, Power Budget 60W	Indoor 1xFE IEEE 802.3af 15.4W	Indoor 1xGE IEEE 802.3at 30W	Indoor 1xGE 60W High Power UPoE/ Indoor 1xGE 95W High Power PoH/PoE

* All specifications are subject to change without notice.

PoE

Industrial					
Type	Industrial Vivocam L2+ Managed PoE Switch	Industrial Unmanaged PoE Switch			
					
Model	AW-IHT-1271	AW-IHT-1000	AW-IHH-0800	AW-IHT-0800	AW-IHT-0601
Description	Industrial 8xGE PoE +4xGE SFP/Per Port Max. 30W, Power Budget 240W	Industrial 8xGE PoE + 2xGE SFP/ Per Port Max. 30W, Power Budget 240W	Industrial 4xGE 95W PoH/PoE + 2xGE UTP + 2xGE SFP/ Per Port Max. 95W, Power Budget 240W	Industrial 4xGE PoE + 2xGE UTP + 2xGE SFP/ Per Port Max. 30W, Power Budget 120W	Industrial 4xGE PoE + 1xGE Combo + 1xGE SFP/ Per Port Max. 30W, Power Budget: 24V DC ~ 56V DC: 120 W, 12V DC: 65 W
Type	Industrial Unmanaged PoE Switch			Industrial PoE Injector	
					
Model	AW-IHH-0410	AW-IHT-0200	AW-IHT-0602	AW-IHH-0110	AW-IHT-0100
Description	Industrial 2xGE 95W PoH/PoE + 2xGE SFP/ Per Port Max. 95W, Power Budget 190W	Industrial 1xGE PoE + 1xGE SFP/ Per Port Max. 30W, Power Budget 30W	Industrial EN50155 4xFE M12 PoE + 2xFE M12/ Per Port Max. 30W, Power Budget 120W	Industrial 1xGE 95W PoH/PoE Injector	Industrial 1xGE 30W PoE Injector
Type	Industrial Media Converter				
					
Model	AW-IHS-0202				
Description	Industrial 1xFE + 1xFE SFP Media Converter				

* All specifications are subject to change without notice.

Long Range Solution					
Type	PoE Extender		Hyper PoE Extender		
					
Model	AP-FXC-0110/AP-FXC-0210	AP-FXC-0160/AP-FXC-0260	AP-FHP-0105-R	AP-FHP-0100-R	AP-FHP-0105-T
Description	Indoor 1/2-Port FE PoE Extender 30W/60W/95W	Outdoor 1/2-Port FE PoE Extender 30W/60W/95W, IP67, IK10	Hyper PoE DC in Rx, 1x Hyper PoE Port, 1x FE RJ45, 1 DC Jack	Hyper PoE PoE in Rx, 1x Hyper PoE Port, 1x FE RJ45, 1 DC Jack	Hyper PoE Tx, 1x Hyper PoE Port, 1x FE RJ45, 1 DC Jack
Type	Indoor EPoC Extender		Unmanaged EPoC Switch		
					
Model	AP-FEX-0105-R	AP-FEX-0100-R	AW-FCT-050A-250		
Description	EPoC Rx module, 1xFE RJ45, 1x BNC Port, 1x DC Jack	EPoC PoE in Rx module, 1xFE RJ45, 1x BNC Port	EPoC 4 x FE BNC Port + 1 x GE RJ45 Switch/Per Port Max. 60w, Power Budget 250W		

* All specifications are subject to change without notice.

Outdoor					
Type	Outdoor VivoCam L2+ Managed PoE Switch			Outdoor Unmanaged PoE Switch	
					
Model	AW-GET-086A-120	AW-GET-126A-240	AW-GEU-086A-240	AW-GET-083A-120	AW-GEH-043A-120
Description	4xGE PoE + 2xGE UTP + 2xGE SFP + 1xRJ45 Console	8xGE PoE + 4xGE SFP + 1xRJ45 Console	4xGE UPoE + 2xGE UTP + 2xGE SFP + 1xRJ45 Console	4xGE PoE + 2GE UTP + 2xGE SFP	2xGE 95W PoE + 2xGE SFP
Type	Outdoor PoE Injector		Outdoor PoE Surge Protector		
					
Model	AP-GIC-015B-095		AP-PSP-050		
Description	Outdoor 1xGE 95W High Power PoH/ PoE, IP67, IK10		Outdoor PoE Surge Protector 16KV/IP67/IK10		

* All specifications are subject to change without notice.

PoE Accessories					
Type	Cabinet		Cabinet Accessories		
					
Model	AT-CAB-001	AT-CAS-001	AT-CAB-002	AT-SUN-001	AT-SUN-002
Description	Cabinet	Cabinet for Speed dome (SD936X)	Side-mount Bracket for HLG Series Power Supply	Sunshield for AT-CAX Series Cabinet	Sunshield for AT-CAX + AT-CAB-002 Cabinet
Type	Cabinet Accessories				
					
Model	AT-SWH-000	AT-SWH-002	AT-PSP-001	AT-WPC-001	AT-WPC-002
Description	Power Safety Kit	Door Open/Close Detection Switch	PoE Surge Protector	M16 Cable Gland for 4~7mm AWG	M16 Cable Gland for Corrugated Tubing : 5/16"
Type	Cabinet Accessories	Industrial DIN-Rail Power Supply			Industrial Wall Mount Power Supply
					
Model	AM-314/AM-414	MDR-10-12	NDR-75-48	NDR-120-48/NDR-240-48	HLG-60H-24
Description	Pole Mount/ Corner Mount Adapter	Indoor Industrial Din Rail, 12VDC/10W, -20°C ~ 70°C	Indoor Industrial Din Rail, 48~55VDC/75W, -20°C ~ 70°C	Indoor Industrial Din Rail, 48~55VDC/120W & 240W, -20°C ~ 70°C	Outdoor Industrial, 24VDC/60W, -40°C ~ 70°C, IP67

* All specifications are subject to change without notice.

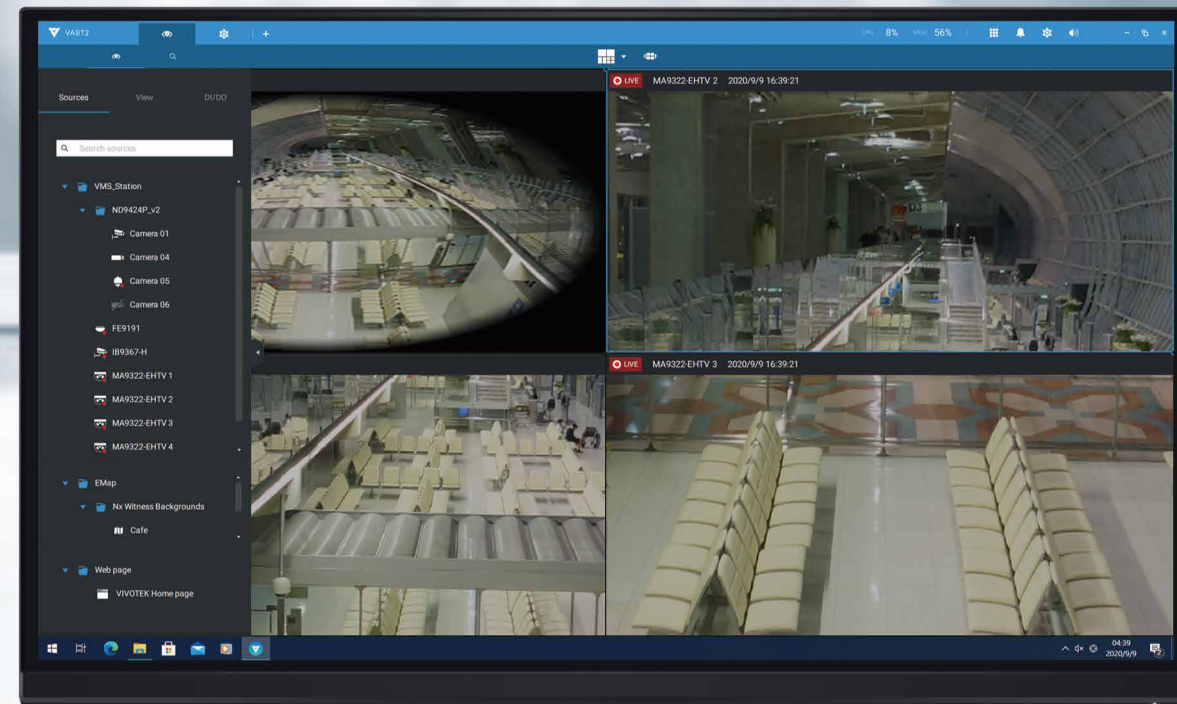
PoE Accessories					
Type	Industrial Wall Mount Power Supply				
					
Model	HLG-80H-24/HLG-80H-48	HLG-80H-54	HLG-120H-24/HLG-120H-48	HLG-120H-54	HLG-240H-24/HLG-240H-54
Description	Outdoor Industrial, 24VDC & 80VDC/80W, -40°C ~ 70°C, IP67	Outdoor Industrial, 54VDC/80W, -40°C ~ 70°C, IP67	Outdoor Industrial, 24VDC & 48VDC/120W, -40°C ~ 70°C, IP67	Outdoor Industrial, 54VDC/120W, -40°C ~ 70°C, IP67	Outdoor Industrial, 24VDC & 54VDC/240W, -40°C ~ 70°C, IP67
Type	Outdoor Power Box	SFP Transceiver			
					
Model	AA-352	SFP-1000-MM85-X5	SFP-1000-MM13-02	SFP-1000-SM13-10/40	SFP-1000-MM85-X5I
Description	IP67, IK10, 24VAC/6A, -40°C ~ 60°C	1.25G Multi-Mode SFP, 850nm, 0.5KM, 0°C ~ 70°C	1.25G Multi-Mode SFP, 1310nm, 2KM, 0°C ~ 70°C	1.25G Single-Mode SFP, LC, 1310nm, 10KM & 40KM, 0°C ~ 70°C	Industrial 1.25G Multi-Mode SFP, LC, 850nm, 0.5KM, -40°C ~ 85°C
Type	SFP Transceiver			SFP+ Transceiver	
					
Model	SFP-1000-MM13-02I	SFP-1000-SM13-10/40I	SFP-1000-CPTX-X1/X1I	SFP-2000-MM85-X3	SFP-2000-SM13-10
Description	Industrial 1.25G Multi-Mode SFP, LC, 1310nm, 2KM, -40°C ~ 85°C	Industrial 1.25G Single-Mode SFP, LC, 1310nm, 10KM/40KM, -40°C ~ 85°C	1000BaseT, SFP to RJ45, 100M, 0°C ~ 70°C / -40°C ~ 85°C	10G Multi-Mode SFP+, LC, 850nm, 0.3KM, 0°C ~ 70°C	10G Single-Mode SFP+, LC, 1310nm, 10KM, 0°C ~ 70°C

* All specifications are subject to change without notice.

Video Management Software

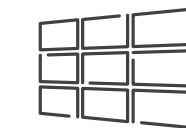
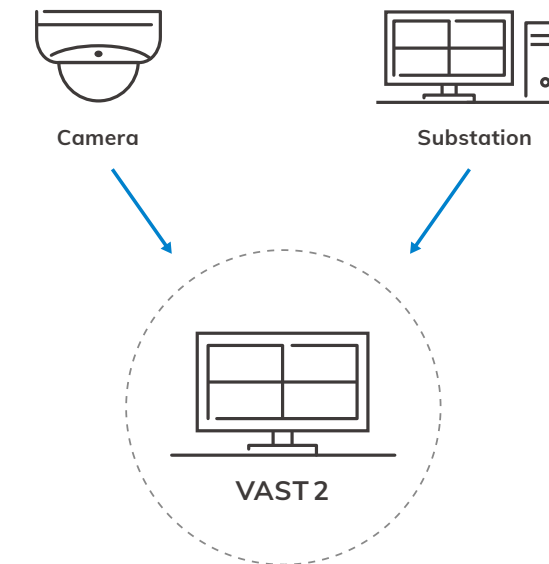
VAST 2

VAST 2 is an easy to use IP video management software (VMS) that provides easy operation on a single or multiple monitors. It can rapidly export multichannel video clips and acquire VCA analytics from enabled cameras. With a wide range of add-on solutions, VAST 2 is the perfect VMS for use in markets such as retail, banking, transportation, and more.

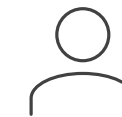


VAST 2

Change the Way You Experience VMS



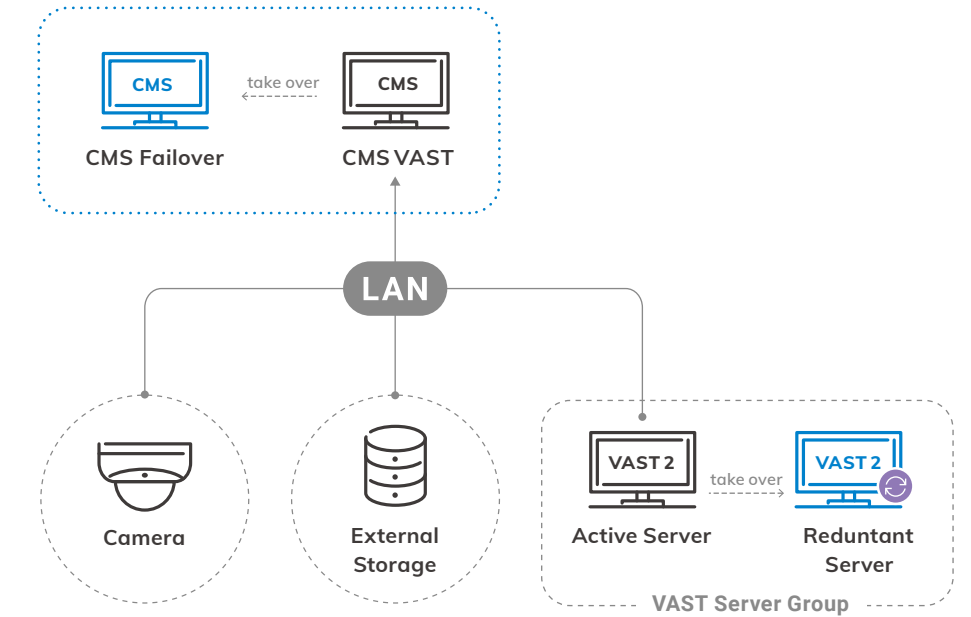
VAST 2 Matrix



User

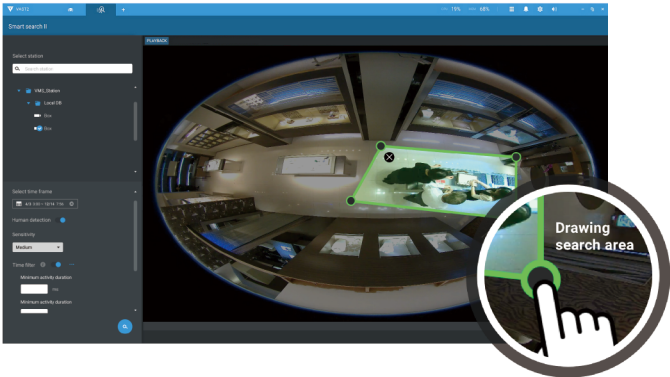


iViewer



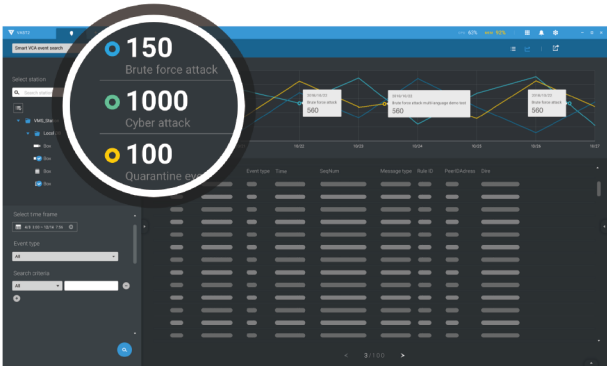
CMS /VMS Failover

In the event of server failure, redundant servers become active and automatically take over the recording task. Furthermore, recording and management tasks will be transferred from the CMS to a CMS redundant server if the CMS service becomes unavailable.



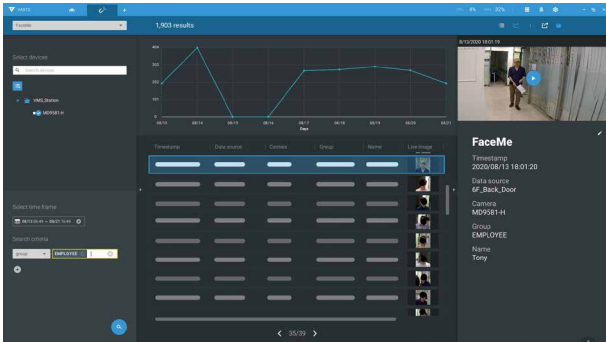
Smart Search II

Users can quickly sort through large amounts of footage to find objects or people-related motion in video streaming storage. Human behaviors such as crossing a user-defined line, loitering in an area for a set amount of time, or intruding into a restricted area can all serve as search criteria. Video clips can be easily found and exported as evidence.



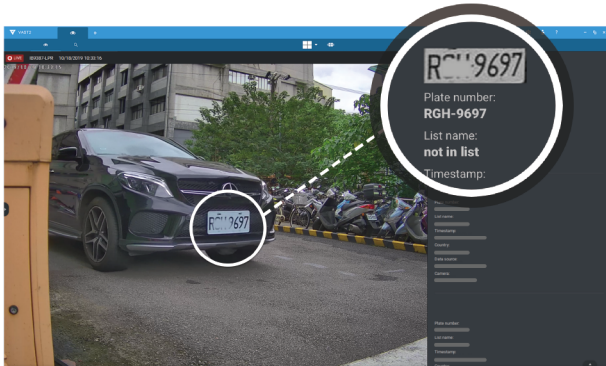
Cybersecurity Management Solution

VAST 2 provides cybersecurity alert notifications and a real-time cybersecurity risk dashboard to easily identify common types of cyberattacks. Users can select different criteria to filter attack logs, making it faster to find abnormal events from a large set of records.



Data Magnet

Data Magnet enables data sourced from either third-party or VIVOTEK's License Plate Recognition cameras to integrate into VAST 2, providing rapid access to recording data and supporting simultaneous data display during live streaming. Users can also easily customize alarm management to receive precise notifications.



License Plate Recognition Solution

VAST 2 integrates license plate information from VIVOTEK's License Plate Recognition cameras. Users can view live video, search and display historical data, and export results to efficiently manage parking facility security.

Video Management Software

VAST 2

General	
Maximum Number of Cameras	256
Maximum Number of Servers	200
Supported OS	Windows 10, 7 Windows Server 2012, 2016, 2019 (Server Core installation type is not supported) macOS 10.15 Catalina (Client Only)
Supported Mobile App	iViewer (iOS/Android)
Virtual Matrix	Supported (VAST 2 Matrix)
LiveView (Local Display)	
Max. Channels	64-channel per Monitor (the max. number of monitors supported depends on the capability of your system)
Video	
Video Format	MJPEG, MPEG4, H.264 AVC,H.264 SVC, H.265
Audio	
Audio Format	G.711, G.726, AMR, AAC
Record	
Additional Recording Time for Event Recording (sec.)	Pre-Record: 3-15, Post-Record: 10-60
Recording Mode	Continuous, Event, Customized Schedule, Activity Adaptive Streaming
Recording File Format	3 GP
External Storage Recording	NAS (SMB/CIFS), iSCSI
Alarm Management	
Alarm Period (sec.)	Max. 30
Event	Camera Event, System Event, External Devices Event
Data Magnet	
Data Source Type	VIVOTEK License Plate Recognition, Third Party Data Source, POS Machine, Access Control
Data Display	Separate data section or Data overlay on screen
Search Result Export	.csv / .png file

eMap	
Supported Image Format	BMP, GIF, JPG, PNG, SVG
Export	
Snapshot	PNG & JPEG
Export File	3GP & EXE
Backup	
External Storage Backup	NAS (SMB/CIFS), iSCSI
User Management	
Authentication	Basic Account/Windows AD Account
System	
Network	SMTP & HTTPS
macOS Client	Supported*
Device Integration	
I/O Box	Advantech ADAM-6000 Series; CHIYU CYT-133SC; MOXA ioLogik E1210, E1211, E1212, and E1214
POS (Add-ons)	POSNET; Lafresh; Allsense (Implement in NVR, Searchable in VAST2); Gulfcoast; ARCH
Access Control	Chiyu CSS-R11 (Expanded by CSS-A11) SOYAL AR-837 Series
Camera Integration	
Video Source	VIVOTEK, ONVIF & RTSP Streaming
VCA Solution	
Security Intelligence	Line Crossing Detection, Loitering Detection, Intrusion detection, Face detection, Missing object detection, Unattended object detection, Crowd detection, Smart Tracking
Business Intelligence	People Counting, Zone Detection
Add-ons**	
Advanced Solutions	Substations Failover Solution, CMS Failover Solution, Transportation Solution, Transaction Solution, 3rd Party Integration Solution

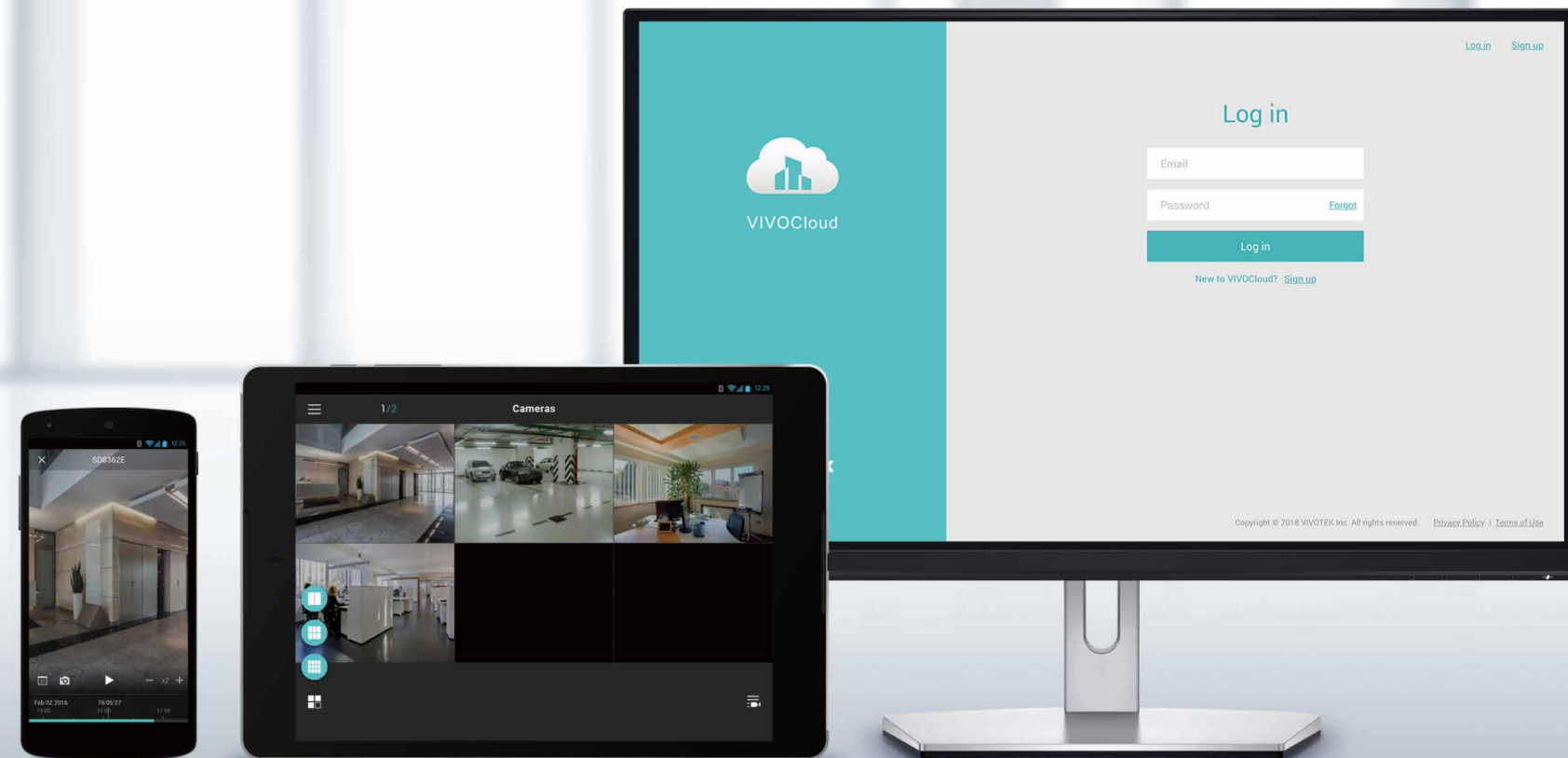
* All specifications are subject to change without notice.

* Limitations of macOS Client, please refer to VAST 2 datasheet
**Add-ons Advanced license is required. (Additional charges may apply)

Cloud Service

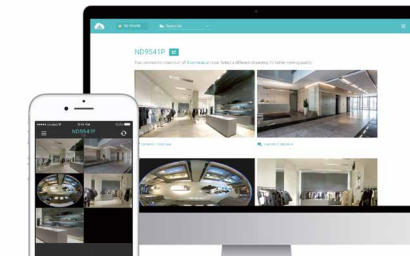
VIVOCloud/VIVOCloud Retail

VIVOCloud provides easy video bridging and tunneling between VIVOTEK NVRs and network cameras, ensuring smooth operation and management from anywhere at any time.



VIVOCloud

service.vivocloud.com



Quick Start

VIVOCloud can be operated through an intuitive app on Android or iOS devices. No more port forwarding and no more VPN setup, simply turn-on the VIVOCloud service on your VIVOTEK device.



Scalable with Shared Devices

With an expandable network of up to 16 devices and the ability to share each device with up to 4 VIVOCloud accounts, trusted family members and/or business colleagues are empowered to monitor security footage, and even counting reports.



Stay Notified

VIVOCloud keeps an eye on the things you value and pushes alerts to your mobile device wherever you are. Furthermore, you can also view notification history. Now you can stop constantly checking live video streams, and just simply check when notifications appear.

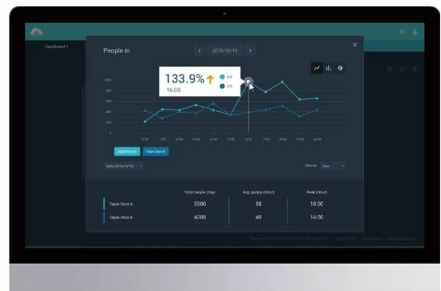


Cross Platform Easy Access

Along with Android and iOS app, VIVOCloud supports various web browsers including, Firefox, Edge, and Google Chrome, both on Windows and Mac.

Cloud Service





Sync Report

VIVOCLOUD Retail supports both the web portal and the standalone app, allowing users to access reports at anytime from any device. All report details will sync to the cloud server, keeping all dashboard information up-to-date across all devices.

Viewing the Data

Single click or tap on the VIVOCLOUD Retail dashboard to see more detailed information. VIVOCLOUD Retail also supports data comparison and counting report details down to the minute.

Tracking Long-term Performance

Counting data is no longer limited by camera-based flash memory. All counting data will automatically sync to the NVR HDD every hour and will also be preserved for 2 years with free edge data storage, providing the best way to track long-term performance and streamline your business for maximum potential.

Cloud Service

VIVOCLOUD		
	App	Portal
Platform System		
macOS	-	Chrome, Firefox
Windows	-	Chrome, Firefox
iOS	11.0 or later	-
Android	5.0 or later	-
Supported VIVOTEK Device		
Device Type	VIVOTEK NVRs VIVOTEK Cameras*	VIVOTEK NVRs VIVOTEK Cameras**

VIVOCLOUD Retail		
	App	Portal
Platform System		
macOS	-	Chrome, Firefox
Windows	-	Chrome, Firefox
iOS	10.0 or later	-
Android	5.0 or later	-
Supported VIVOTEK Device		
Device Type	VIVOTEK NVRs	

Supported NVRs:
ND8212W, ND8312, ND8321, ND8322P, ND8422P, ND9312, ND9322P, ND9322P-v2, ND9323P, ND9424P, ND9424P-v2, ND9425P, ND9441, ND9441P, ND9541, ND9541P

Supported Cameras**:
C9380-HV, CC9381-HV, MS9390-HV, FE9380-HV, FE9191, FE9391-EV, IP9165-HP(T), IP9165-LPC, IP9172-LPC(Freeway), IP9191-HP(T), IB9360-H, IB9365-(E)HT, IB9368-HT, IB9380-H, IB9387-(E)H(T), IB9388-HT, IB9389-(E)H(T)(M), IB9391-EHT, FD9165-HT, FD9166-HN, FD9187-H(T), FD9189-H(M)(T), FD9360-H, FD9365-(E)HTV(L), FD9366-HV, FD9368-HTV, FD9380-H, FD9387-(E)H(T)V, FD9388-HTV, FD9389-(E)H(M)(T)V, IT9360-H, IT9380-H, IT9388-HT, IT9389-H(T), MD9560-(D)H, MD9561-H, MD9581-H

*About the full supported cameras list, please refer to the VIVOCLOUD product page.

Supported NVRs:
ND9322P, ND9322P-v2, ND9323P, ND9424P, ND9424P-v2, ND9425P, ND9441, ND9441P, ND9541, ND9541P

* All specifications are subject to change without notice.

Solution Integration Alliance

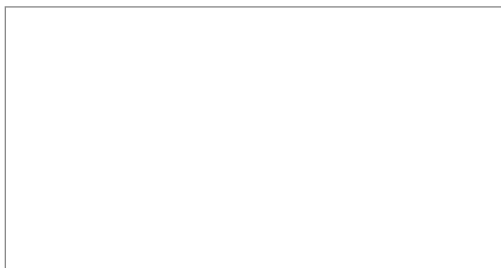
The SIA (Solution Integration Alliance) Program is a strategic alliance that aims to facilitate the integration of VIVOTEK products into leading software or hardware platforms. With the SIA Program, partners have the flexibility to enhance key functionalities when creating an IP surveillance solution. 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.





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