

The background of the slide is a blue-tinted aerial view of a city, likely New York City, with the Empire State Building prominent on the left. Overlaid on this is a complex network of white lines and dots, resembling a globe or a data network. In the top right corner, there is a grid of dots with two rectangular blocks, one teal and one dark blue, partially obscuring it. In the bottom left corner, there is another grid of dots with two rectangular blocks, one teal and one dark blue, also partially obscuring it.

VIVOTEK

A Delta Group Company

Networking Solution for Surveillance

Make Tomorrow Easier, Today!



Applications

- Factory • Retail • City



Commercial Network Switch Series

- 10G L2+ Managed Fiber Switch
- Lite Managed PoE Switch
- VivoCam L2 Managed PoE Switch
- Unmanaged PoE Switch

Commercial Network Switch Comparison Matrix Table



Industrial Network Switch Series

- Industrial L2 Managed PoE Switch
- Industrial M12 PoE Switch
- Industrial Lite managed PoE Switch
- Outdoor Unmanaged PoE Switch

Industrial/ Outdoor Network Switch Comparison Matrix Table



Other Networking Products

- PoE Extender
- SFP Transceiver
- PoE Injector
- Surge Protector



Accessories

- Industrial Din Rail Power Supply
- Outdoor Power Box
- Industrial Power Supply
- Cabinet

NEWLINE

VIVOTEK Solution Architecture

Cloud



VORTEX Camera



Network Speaker

On-prem

Networking



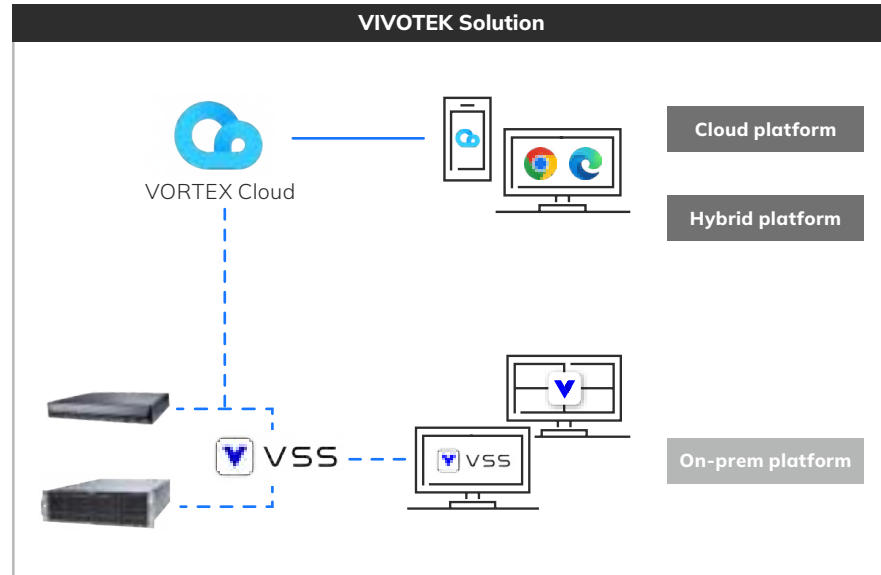
Managed & Unmanaged



Injector & Extender

Video Management

VIVOTEK Solution



Other VMS of choice



VMS partners

HOSPITAL

VIVOTEK PoE switches provide reliable surveillance for hospitals, covering areas like ER entrances and parking lots. With PoE extenders feature for up to 300 meters, surge protection for outdoor cameras, and network redundancy via Spanning Tree Protocol, it ensures seamless, cost-effective installation and

1. Lite Managed PoE Switch



2. VivoCam L2 Managed PoE Switch



3. Outdoor Unmanaged PoE Switch



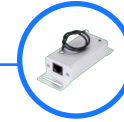
4. Cabinet



Industrial Lite Managed PoE Switch



Indoor Surge Protector



5. Indoor PoE Extender

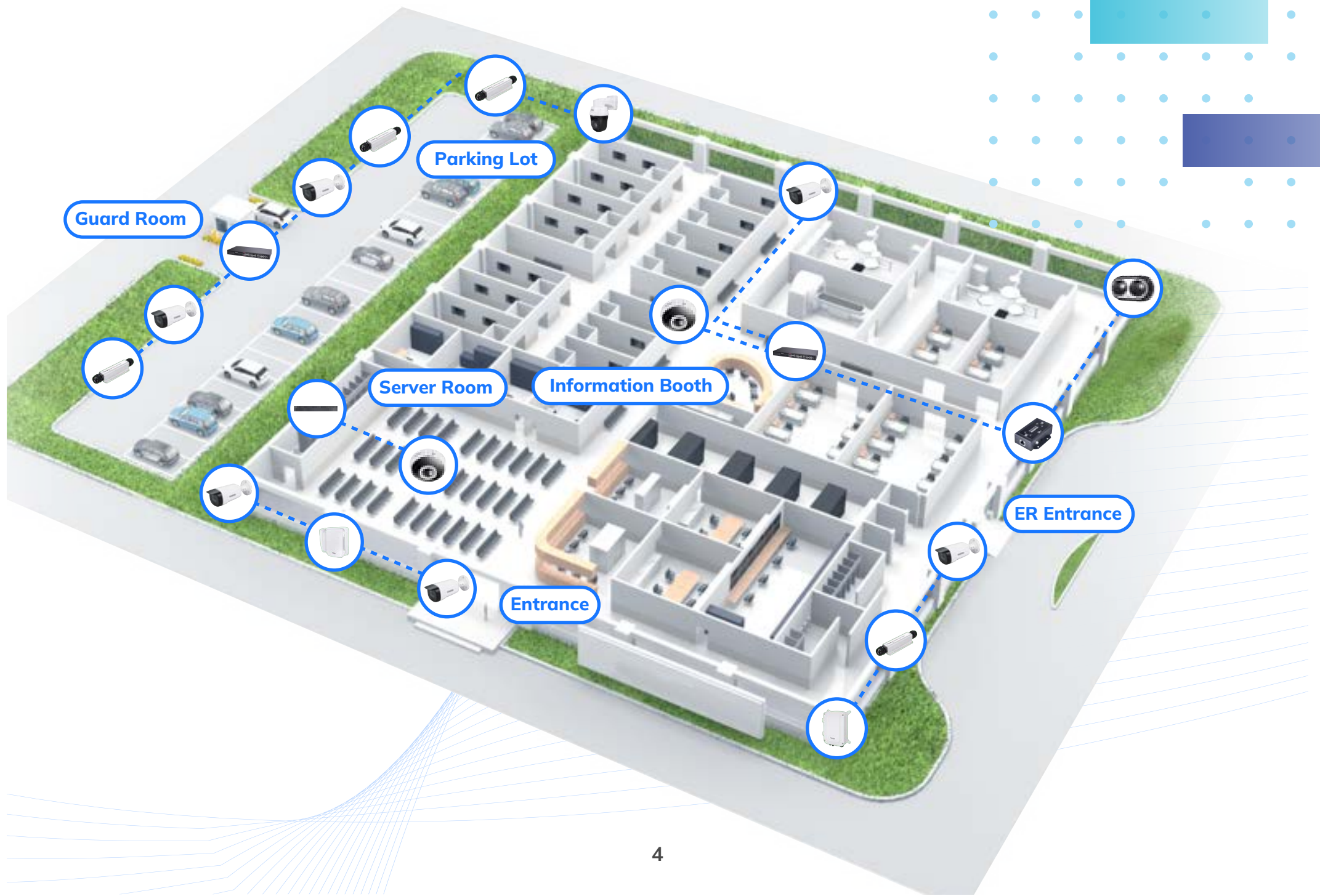


6. Outdoor Surge Protector



7. IP Camera





RETAIL

In a retail environment, maintaining a secure, reliable surveillance system is essential for monitoring customer activity and securing assets. With VIVOTEK PoE switches, store owners can easily manage their surveillance network with remote PoE power control, allowing them to disable/enable PoE ports to reboot cameras when needed.

1. Lite Managed PoE Switch



2. Outdoor Surge Protector



3. IP Camera





CITY

In an urban environment, surveillance systems need to be reliable and scalable to cover large outdoor areas such as streets, buildings, and public spaces. With VIVOTEK PoE switches, you can easily deploy a wide-area surveillance network to monitor key locations such as entrances and sidewalks.



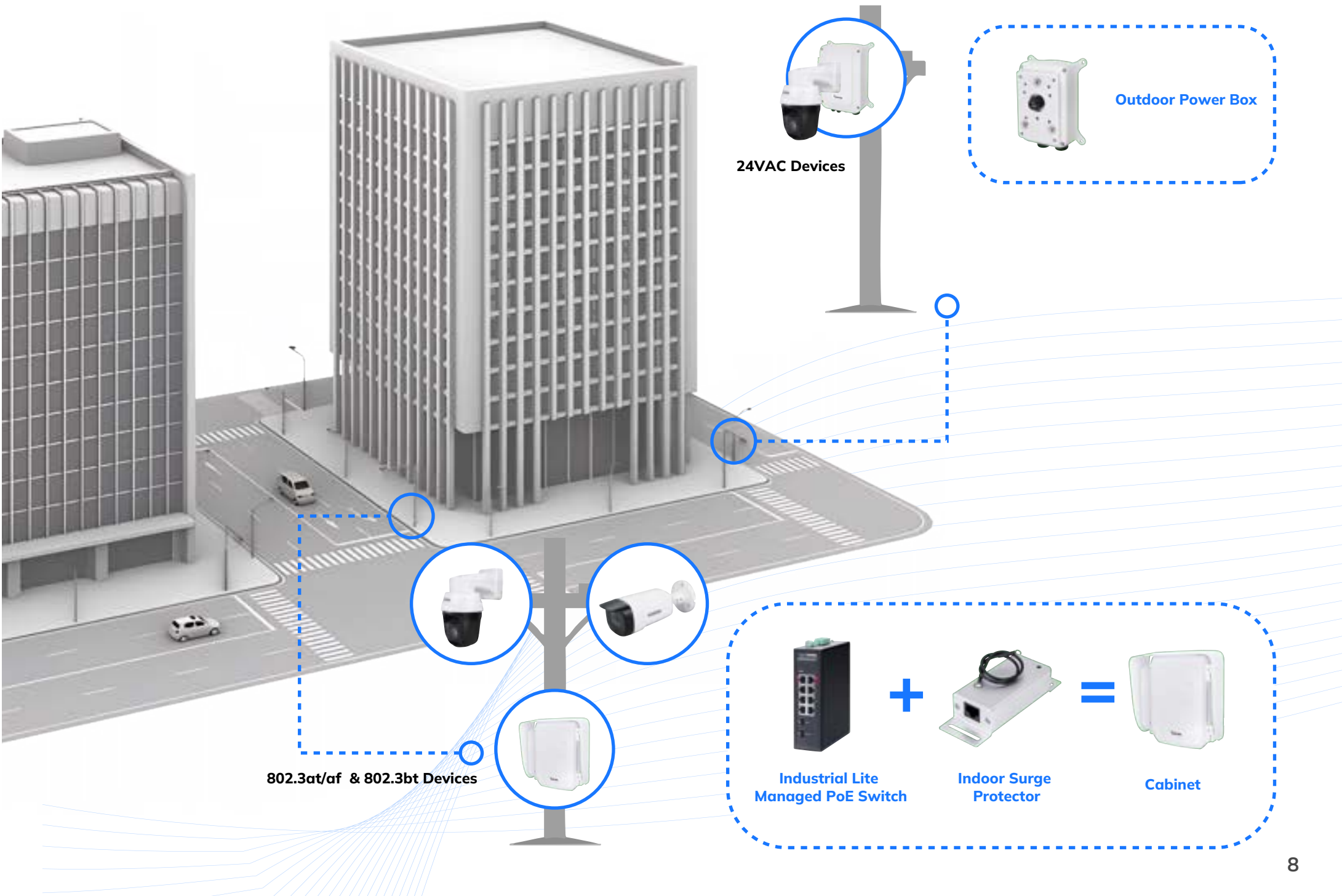
Outdoor Unmanaged PoE Switch



Outdoor Surge Protector



802.3at/af Devices x4



Commercial Network Switch Series



10G L2+ Managed Switch

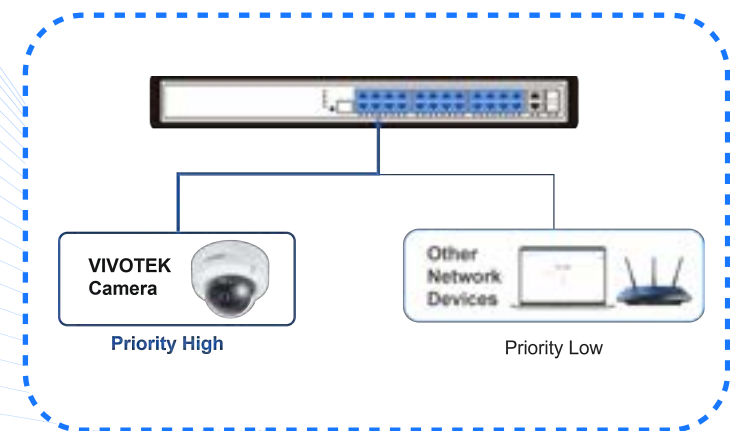
Cost-Effective Fiber Switching for Large-Scale Surveillance Deployments.



Key Feature

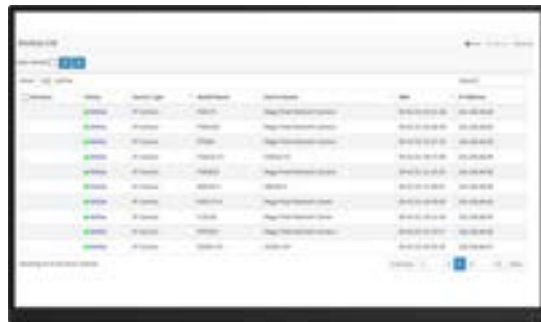
Video Qos

Ensures reliable video transmission, prioritizing data flow and quality for seamless monitoring with VIVOTEK cameras.



Device Management

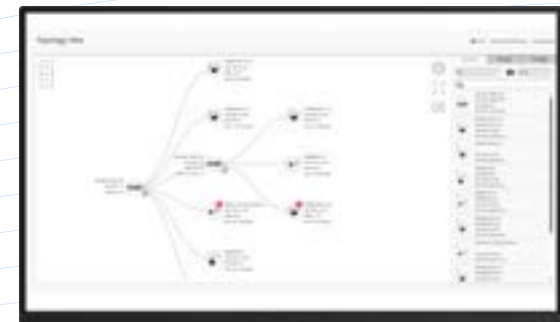
This switch offers intelligent device management, ensuring seamless and efficient network administration.



Auto Search



Traffic Monitor



Topology View



Floor View



Google Map View

10G L2+ Managed Switch - Specs

Model
AW-GTS-287A

20xGbE SFP + 4xGbECombo +
4x10G SFP+ L2+ Managed Switch



Port Configuration	
SFP Port Ethernet	20xGbE SFP
Uplink Port Ethernet	4xGbE combo + 4x10G SFP
Total Ports	28
Console Port	1xRS232
HW Performance	
Switch Capacity	128 Gbps
Buffer Memory	32Mb
Forwarding Rate	95.232 Mpps
MAC Address	32k
Jumbo Frames	10056 Kytes
Managing IP Surveillance Management	
Auto Search Network Device	●
Surveillance Management List	●
Easy Tag VLAN in Topology View	●

Managing IP Surveillance E-MAP View			
Topology View			●
Floor View			●
Google Map View			●
Managing IP Surveillance Maintenance			
VIVOTEK Camera Configuration File Export/Import			●
Traffic Monitor			●
L2 Switching Feature			
IEEE 802.1Q Tag-based VLAN			●
IEEE 802.1d/w/S STP/RSTP/MSTP			●
IEEE 802.3ad LACP			●
IEEE 802.1X Authorization			●
SNMP (v1/v2c/v3)			●
IGMP Snooping (v1/v2/v3)			●
Access Control List (ACL)			●
L3 Switching Feature		General	
IP Host Table	Support	Power Input	100~240V AC / 50~60Hz
Static Route (IPv4/IPv6)	Support	Dimensions	442(W) x 44(H) x 211(D) mm
Static ARP	Support	Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
DHCP Server	Support	Certifications	CE, FCC, LVD, VCCI

VivoCam L2 Managed PoE Switch

Designed for VIVOTEK IP Cameras & NVRs –
Automatically Deploy Your Surveillance Network



Key Feature

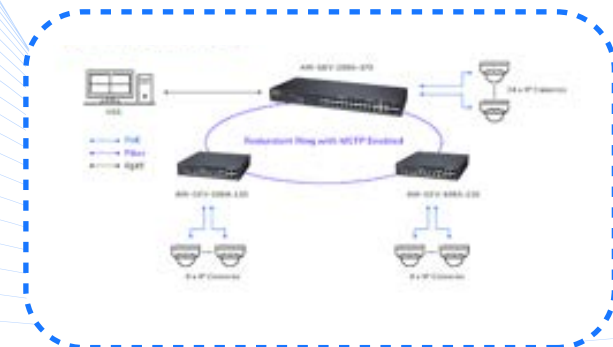
Extended mode

Allows PoE power and data transmission over longer distances, eliminating the need for additional power sources.



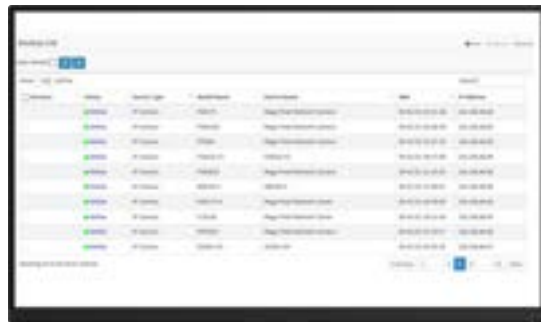
Spanning Tree Protocol (STP/RSTP/MSTP)

Prevents network loops and ensures stable, redundant connections for uninterrupted communication.



Device Management

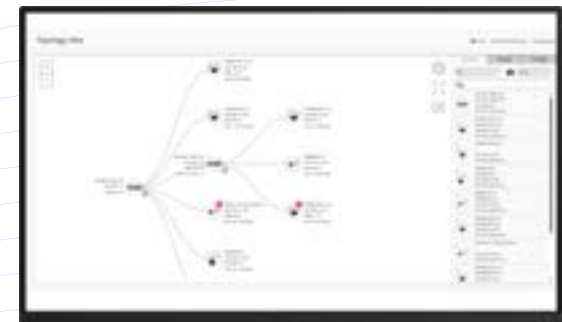
This switch offers intelligent device management, ensuring seamless and efficient network administration.



Auto Search



Traffic Monitor



Topology View



Floor View



Google Map View

VivoCam L2 Managed PoE Switch - Specs

Model
AW-GEV-108A-130



2xGbE bt 90W PoE + 6xGbE PoE
+ 2xGbE Combo VivoCam L2 Managed PoE Switch

Model
AW-GEV-288A-370



4xGbE bt 90W PoE + 20xGbE PoE
+ 4xGbE Combo VivoCam L2 Managed PoE Switch

Port Configuration

PoE Port Ethernet	8xGbE PoE	24xGbE PoE
Uplink Port Ethernet	2xGbE Combo	4xGbE Combo
Total Ports	10	28
Console Port	1xRJ45	1xRJ45

PoE Function

PoE Output Power	Port 1-6 at 30W, Port 7-8 bt 90W	Port 1-20 at 30W, Port 21-24 bt 90W
Total PoE Power Budget	130W	370W
PoE Standard	IEEE 802.3 af/at/bt	IEEE 802.3 af/at/bt
Power Pin Assignment	Port 7-8 bt: 4 pairs 1/2 (+), 3/6 (-) and 4/5 (+), 7/8 (-) Port 1-6 af/at: 2 pairs 1/2 (+), 3/6 (-)	Port 21-24 bt: 4 pairs 1/2 (+), 3/6 (-) and 4/5 (+), 7/8 (-) Port 1-20 af/at: 2 pairs 1/2 (+), 3/6 (-)
Extended PoE Mode (up to 250m/10mbps)	●	●
PoE Auto Checking	●	●
Non-Stop PoE	●	●
PoE Scheduling	●	●

HW Performance		
Switch Capacity	20 Gbps	56 Gbps
Buffer Memory	4.1Mb	4.1Mb
Forwarding Rate	14.88 Mpps	41.664 Mpps
MAC Address	8K	8K
Jumbo Frame	9216 Bytes	9216 Bytes
Managing IP Surveillance Management		
Auto Search Network Device	●	●
Surveillance Management List	●	●
Easy Tag VLAN in Topology View	●	●
Managing IP Surveillance Maintenance		
Topology View	●	●
Floor View	●	●
Google Map View	●	●
Managing IP Surveillance E-MAP View		
VIVOTEK Camera Configuration File Export/Import	●	●
Traffic Monitor	●	●
DHCP Server	●	●
L2 Switching Feature		
IEEE 802.1Q Tag-based VLAN	●	●
IEEE 802.1d/w/S STP/RSTP/MSTP	●	●
IEEE 802.3ad LACP	●	●
IEEE 802.1X Authorization	●	●
SNMP (v1/v2c/v3)	●	●
IGMP Snooping (v1/v2/v3)	●	●
Access Control List (ACL)	●	●
General		
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Surge Protection	Per port 6KV	Per port 6KV
Dimensions	220 (L) x 242.4 (W) x 44 (H) mm	442 (L) x 211 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
Certifications	UL, CE, UKCA, FCC, VCCI, LVD, ICES	UL, CE, UKCA, FCC, VCCI, LVD, ICES

Lite Managed PoE Switch

Cost-Effective Fiber Switching for Large-Scale Surveillance Deployments.

Key Feature

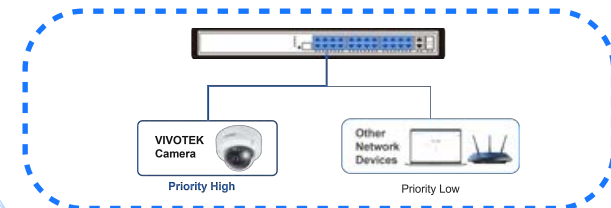
Extended mode

Allows PoE power and data transmission over longer distances, eliminating the need for additional power sources.



Powered Device Alive (PD Alive)

Detects idle devices and reboots power automatically



Spanning Tree Protocol (STP/RSTP)

Prevents network loops and ensures stable, redundant connections for uninterrupted communication.



Lite Managed PoE Switch - Specs

Model
AW-GEL-065A-060



4xGbE PoE + 2xGbE RJ45
Lite Managed PoE Switch

Model
AW-GEL-105A-110



2xGbE bt 90W PoE + 6xGbE PoE
+ 1xGbE RJ45 + 1xGbE SFP
Lite Managed Switch

Model
AW-GEV-205A-260



4xGbE bt 90W PoE + 12xGbE PoE
+ 2xGbE RJ45 + 2xGbE SFP
Lite Managed Switch

Model
AW-GEL-285A-380



4xGbE bt 90W PoE + 20xGbE PoE
+ 2xGbE RJ45 + 2xGbE SFP
Lite Managed Switch

Port Configuration

PoE Port Ethernet	4xGbE PoE	8xGbE PoE	16xGbE PoE	24xGbE PoE
Uplink Port Ethernet	2xGbE RJ45	1xGbE RJ45 + 1xGbE SFP	2xGbE RJ45 + 2xGbE SFP	2xGbE RJ45 + 2xGbE SFP
Total Ports	6	10	20	28

PoE Function

PoE Output Power	max. 30W/PoE port	Port 1,2 bt 90W ,Port 3-8 at 30W	Port 1-4 bt 90W, Port 5-16 at 30W	Port 1-4 bt 90W,Port 5-24 at 30W
Total PoE Power Budget	60 W	110 W	260 W	380 W
PoE Standard	IEEE 802.3 af/at	IEEE 802.3 af/at/bt	IEEE 802.3 af/at/bt	IEEE 802.3 af/at/bt
Power Pin Assignment	1/2(+), 3/6(-)	Port 1,2 bt: 4 pairs 1/2 (+), 3/6 (-) and 4/5 (+), 7/8 (-) Port 3-8 af/at: 2 pairs 1/2 (+), 3/6 (-)	Port 1-4 bt: 4 pairs 1/2 (+), 3/6 (-) and 4/5 (+), 7/8 (-) Port 5-16 af/at: 2 pairs 1/2 (+), 3/6 (-)	Port 1-4 bt: 4 pairs 1/2 (+), 3/6 (-) and 4/5 (+), 7/8 (-) Port 5-24 af/at: 2 pairs 1/2 (+), 3/6 (-)
Extended PoE Mode (up to 250m/10mbps)	●	●	●	●
PD Alive	●	●	●	●
Non-Stop PoE	●	●	●	●

HW Performance				
Switch Capacity	12 Gbps	20 Gbps	40 Gbps	56 Gbps
Buffer Memory	1Mb	1.5Mb	4.1Mb	4.1Mb
Forwarding Rate	8.928 Mpps	14.88 Mpps	26.784 Mpps	38.688 Mpps
MAC Address	4k	4K	8K	8K
Jumbo Frame	9216 Bytes	9216 Bytes	9216 Bytes	9216 Bytes
L2 Switching Feature				
IEEE 802.1Q Tag-based VLAN	●	●	●	●
IEEE 802.1d/w STP/RSTP	●	●	●	●
IEEE 802.3ad LACP	●	●	●	●
Port Mirroring	●	●	●	●
General				
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Surge Protection	Per port 4KV	Per port 4KV	Per port 4KV	Per port 4KV
Dimensions	200 (W) x 118 (D) x 44 (H) mm	270 (W) x 181 (D) x 44 (H) mm	440 (W) x 210 (D) 44 (H) mm	442 (W) x 212 (D) 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
Certifications	CE, FCC, UKCA, LVD, VCCI, BSMI	CE, FCC, UKCA, LVD, VCCI, BSMI	CE, FCC, UKCA, LVD, VCCI, BSMI	CE, FCC, UKCA, LVD, VCCI, BSMI

Unmanaged PoE Switch

Unmanaged PoE switch, built for surveillance, auto-detects and extends up to 250m

Key Feature

Video QoS

Ensures reliable video transmission, prioritizing data flow and quality for seamless monitoring with VIVOTEK cameras.



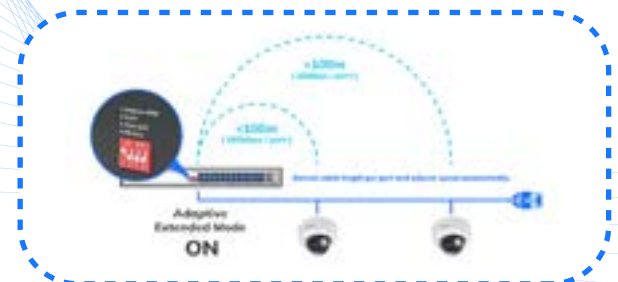
Powered Device Alive (PD Alive)

Detects idle devices and reboots power automatically.



Adaptive Extended Mode

Automatically detect cable length and adjust transmission speeds to 100Mbps or 10Mbps.



Specs

Model
AW-FET-060P-060



4xFE PoE + 2xFE RJ45
Unmanaged Switch

Model
AW-FGT-100P-110



8xFE PoE + 2xGbE Combo
Unmanaged Switch

Model
AW-FGT-180P-250



16xFE PoE + 2xGbE Combo
Unmanaged Switch

Model
AW-FGT-260P-370



24xFE PoE + 2xGbE Combo
Unmanaged Switch

Port Configuration				
PoE Port Ethernet	4xFE PoE	8xFE PoE	16xFE PoE	24xFE PoE
Uplink Port Ethernet	2xFE RJ45	2xGbE Combo	2xGbE Combo	2xGbE Combo
Total Ports	6	10	18	26
PoE Function				
PoE Output Power	max. 30W/PoE port	max. 30W/PoE port	max. 30W/PoE port	max. 30W/PoE port
Total PoE Power Budget	60W	110W	250W	370W
PoE Standard	IEEE 802.3 af/at	IEEE 802.3 af/at	IEEE 802.3 af/at	IEEE 802.3 af/at
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
HW Performance				
Switch Capacity	1.2 Gbps	5.6 Gbps	7.2 Gbps	8.8 Gbps
Forwarding Rate	0.8928 Mpps	4.1664 Mpps	5.3568 Mpps	6.5472 Mpps
MAC Address	2k	4k	16k	16k
Jumbo Frame	1,536 Bytes	1,536 Bytes	1,536 Bytes	1,536 Bytes
Surveillance Feature				
Adaptive Extended Mode	4	8	16	24
VLAN	●	●	●	●
Video QoS	●	●	●	●
PD Alive	●	●	●	●
General				
Power Input	100V ~ 240V	100V ~ 240V	100V ~ 240V	100V ~ 240V
Surge Protection	6KV	6KV	6KV	6KV
Dimensions	180(L) x 105(W) x 32(H)	270(L) x 181(W) x 44(H)	440(L) x 210(W) x 44(H)	440(L) x 210(W) x 44(H)
Operating Temperature	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)
Certifications	CE, FCC, UKCA, LVD, VCCI, BSMI	CE, FCC, UKCA, LVD, VCCI, BSMI	CE, FCC, UKCA, LVD, VCCI, BSMI	CE, FCC, UKCA, LVD, VCCI, BSMI

Commercial Network Switch Comparison Matrix Table

Features

	10G L2+ Managed Switch	VivoCam L2 Managed PoE Switch	Lite Managed PoE Switch	Unmanaged PoE Switch
i. Transmission				
Video QoS	●	●	●	●
Supports VLAN	●	●	●	
Adaptive Extended Mode				●
Extended PoE Mode		●	●	●
Spanning Tree Protocol (STP, RSTP, MSTP)	●	●	STP/RSTP	
ii. PoE Function				
PoE Power Output Max.		30w & 90w	30w & 90w	30w
PoE On/Off Control		●	●	
PD Alive			●	●
PoE Auto Checking		●		
Non-Stop PoE		●	●	
PoE Scheduling		●		
Power Delay		●		

iii. Network Device Management	10G L2+ Managed Switch	VivoCam L2 Managed PoE Switch	Lite Managed PoE Switch	Unmanaged PoE Switch
Auto Search Network Device	●	●		
Device Management	●	●		
▪ View in lists	●	●		
▪ Topology View	●	●		
▪ Easy Tag VLAN	●	●		
▪ PoE Power Control	●	●		
▪ Floor View	●	●		
▪ Google Map View	●	●		
VIVOTEK Camera Configuration	●	●		
▪ Batch Configuration File Export/Import	●	●		
▪ Batch Account Password modified	●	●		
▪ IP configuration	●	●		
iv. Networking Management				
Traffic Monitoring	●	●		
L3 Static Route	●			
Access Control List (ACL)	●	●		
v. Other				
AC/DC Dual Power Inputs	●			

Industrial/Outdoor Network Switch Products

Industrial VivoCam L2+ Managed PoE Switch

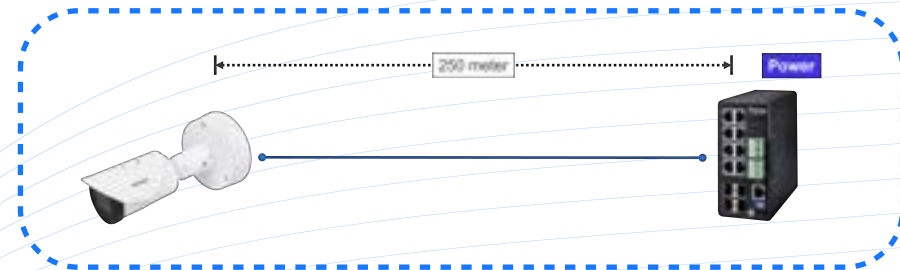
Effortlessly Deploy Your Outdoor Surveillance Network with VIVOTEK IP Cameras & NVRs



Key Feature

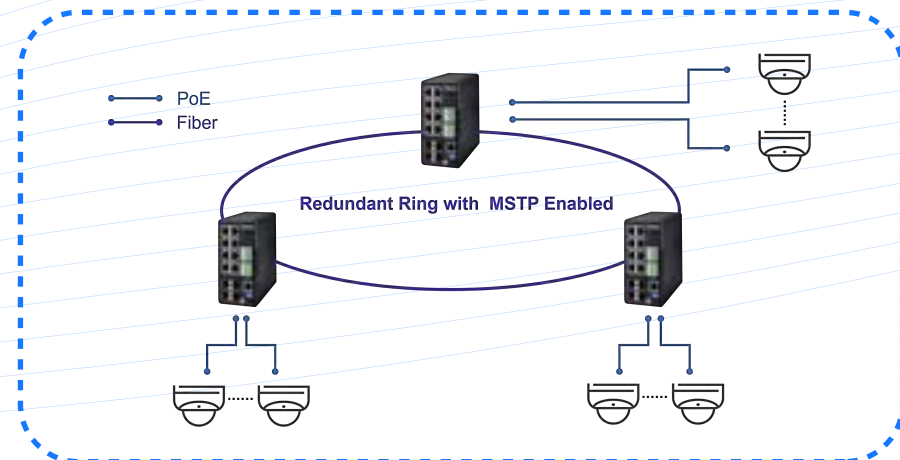
Extended mode

Allows PoE power and data transmission over longer distances, eliminating the need for additional power sources.



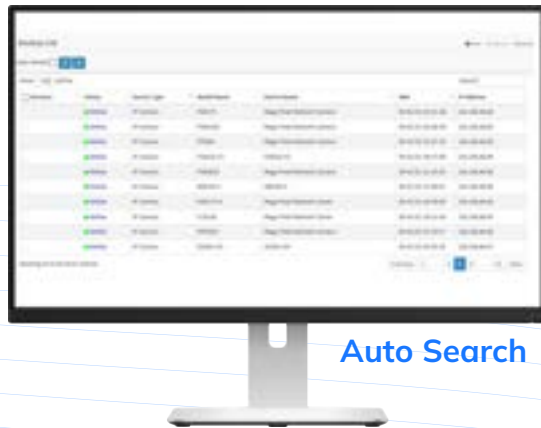
Spanning Tree Protocol (STP/RSTP/MSTP)

Prevents network loops and ensures stable, redundant connections for uninterrupted communication.



Device Management

This switch offers intelligent device management, ensuring seamless and efficient network administration.



Auto Search



Traffic Monitor



Topology View



Floor View



Google Map View

Industrial VivoCam L2+ Managed PoE Switch - Specs

Model
AW-IHT-1271

Industrial VivoCam L2+ Managed
PoE Switch 8xGE PoE + 4xGE SFP



Ethernet	
10M/100M/1G RJ45 PoE Port	8/Per Port up to 30W
100M/1G SFP	4
RJ45 Console Port	1
PoE Function	
PoE Output Power	30W/PoE Port
Total PoE Power Budget	240W
PoE Standard	IEEE 80.23 af/at
Extended PoE Mode (up to 250m/10mbps)	1/2 (+), 3/6 (-)
PoE Auto Checking	●
Non-Stop PoE	●
PoE Scheduling	●
Ethernet Performance	
Switch Capacity	24Gbps
MAC Address	8K
Jumbo Frames	9216 Bytes
Auto-MDI/MDI-X, Auto-Negotiation	Supported

Managing IP Surveillance Management	
Auto Search Network Device	Supported
Surveillance Management List	Supported
Easy Tag VLAN in Topology View	Supported
Managing IP Surveillance E-MAP View	
Topology View	Supported
Floor View	Supported
Google Map View	Supported
Managing IP Surveillance Maintenance	
VIVOTEK Camera Configuration File Export/Import	Supported
Traffic Monitoring	Supported
L2 Switching Feature	
IEEE 802.1p Quality of Service	Supported
IEEE 802.1q Tag based VLAN	Supported
IEEE 802.1d/w/S STP/RSTP/MSTP	Supported
IEEE 802.3ad Link Aggregation Control Protocol	Supported
IEEE 802.1X Authorization	Supported
Rapid Ring	Supported
L3 Switching Feature	
IP Host Table	Supported
Static Route (IPv4/IPv6)	Supported
Static ARP	Supported
DHCP Server	Supported
General	
Power Input	PW1: 48 ~ 56VDC,PW2: 48 ~ 56VDC, Redundant Dual DC Power Input
Surge Protection	Per port 6KV
Dimensions	62(W) x 135(H) x 130(D) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)

Industrial Lite Managed PoE Switch

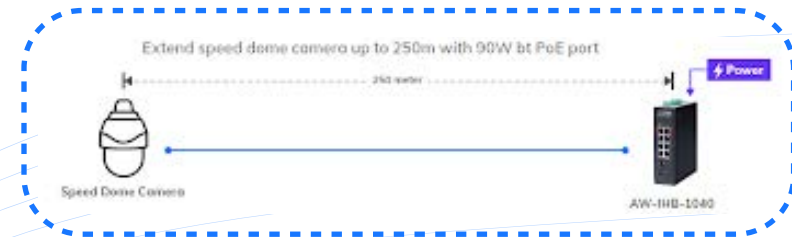
Cost-Effective PoE Management for IP Cameras and Outdoor network applications.



Key Feature

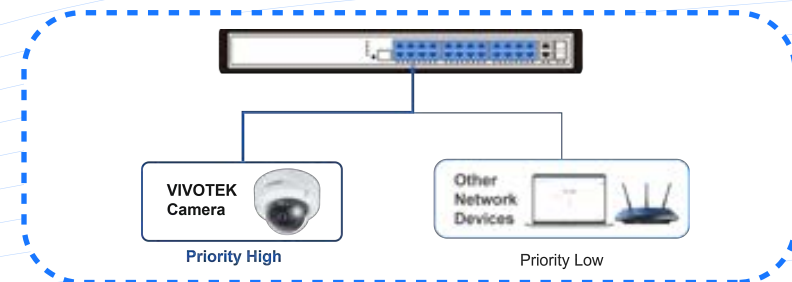
Extended mode

Allows PoE power and data transmission over longer distances, eliminating the need for additional power sources.



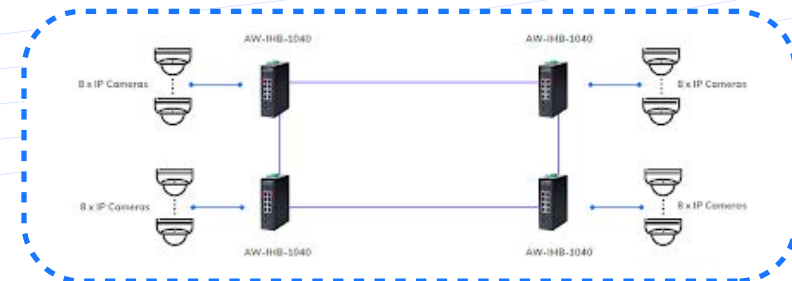
Powered Device Alive (PD Alive)

Prevents network loops and ensures stable, redundant connections for uninterrupted communication.



Spanning Tree Protocol (STP/RSTP)

Prevents network loops and ensures stable, redundant connections for uninterrupted communication.



Industrial M12 Unmanaged PoE Switch - Spec

Designed for Bus-to-Rail, perfect for outdoor and industrial environments

Model
AW-IHT-0602

Industrial EN50155 4xM12
D-Coded PoE + 2xM12
D-Coded Switch



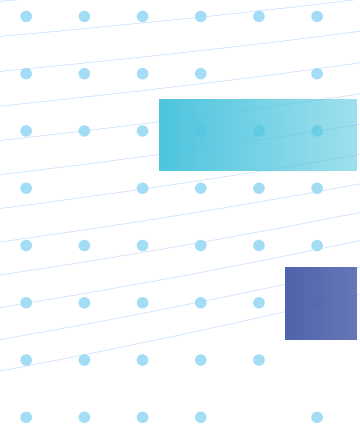
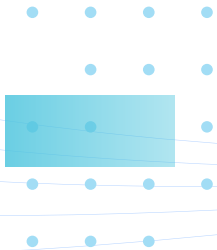
Model
AW-IHT-1002

Industrial EN50155 8xM12
D-Coded PoE + 2xM12
X-Coded Switch



Port Configuration		
PoE Port Ethernet	4xM12 D-Coded PoE	8xM12 D-Coded PoE
Uplink Port Ethernet	2xM12 D-Coded	2xM12 X-Coded
Total Ports	6	10
PoE Function		
Number of PoE Out Ports	4	8
PoE Output Power	30W	30W
802.3at/af Standard Compatible	Yes	Yes
Over Current Protection	Supported	Supported
Circuit Shorting Protection	Supported	Supported
Total PoE Power Budget	120 W	165W@24VDC, 190W@48VDC
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)

HW Performance		
Switch Capacity	1.2 Gbps	5.6 Gbps
Buffer Memory	1Mb	1.5Mb
Forwarding Rate	0,8928 Mpps	4.1664 Mpps
MAC Address	4K	16K
Jumbo Frame	9216 Bytes	9216 Bytes
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported
General		
Power Input	PW1: 24 ~ 56VDC, PW2: 24 ~ 56VDC, Redundant Dual DC Power Input	PW1: 24/48VDC, PW2: 24/48VDC, Redundant Dual DC Power Input
Surge Protection	2KV	2KV
Dimensions	112 (L) x 112 (W) x 60 (H) mm	181 (L) x 99 (W) x 94 (H) mm
Operating Temperature	'-40°C ~ 75°C (-40°F ~ 167°F)	'-40°C ~ 75°C (-40°F ~ 167°F)
Certifications	CE,FCC,EN50155	CE, FCC, EN50155, EN45545-2



Industrial Network Switch Comparison Matrix Table

Features

Industrial VivoCam L2+
Managed PoE switch

Industrial Lite
Managed PoE Switch

Outdoor Unmanaged
PoE Switch

i. Transmission

QoS



Supports VLAN



Extended PoE Mode



Spanning Tree Protocol (STP, RSTP, MSTP)



STP/RSTP

Rapid Ring



LACP



ii. Powered

PoE Power Output Max.

30w

30w/90w

30w

PoE On/Off Control



PD Alive



PoE Auto Checking



Non-Stop PoE



PoE Scheduling



Power Delay



iii. Network Device Management	Industrial VivoCam L2+ Managed PoE switch	Industrial Lite Managed PoE Switch	Outdoor Unmanaged PoE Switch
Auto Search Network Device	●		
Device Management	●		
▪ View in lists	●		
▪ Topology View	●		
▪ Easy Tag VLAN	●		
▪ PoE Power Control	●		
▪ Floor View	●		
▪ Google Map View	●		
VIVOTEK Camera Configuration	●		
▪ Batch Configuration File Export/Import	●		
▪ Batch Account Password modified	●		
▪ IP configuration	●		
iv. Networking Management			
Traffic Monitoring	●		
L3 Static Route	●		
v. Other			
Waterproof IP67			●
Vandal Proof IK10			●
Auto-MDI/MDI-X	●	●	●
Redundant Dual DC Power Input	●	●	AC/DC

Other Networking Products

PoE Extender / PoE Injector / SFP Transceiver / Surge Protector

PoE Extender

No local power, no hassle, extend your surveillance network to 300 meters

Model
AP-GXC-0100



Indoor 1-Port GbE
PoE Extender

Model
AP-GXC-0200



Indoor 2-Port GbE
PoE Extender

Model
AP-GXC-0150



Outdoor 1-Port GbE
PoE Extender

Model
AP-GXC-0250



Outdoor 2-Port GbE
PoE Extender

PoE Extension

Extension Distance	2 Units, Daisy-chain Installation Up to 300M Extension (No Local Power Required)	2 Units, Daisy-chain Installation Up to 300M Extension (No Local Power Required)	2 Units, Daisy-chain Installation Up to 300M Extension (No Local Power Required)	2 Units, Daisy-chain Installation Up to 300M Extension (No Local Power Required)
PoE Input	802.3 af/at/bt & PoH up to 95W	802.3 af/at/bt & PoH up to 95W	802.3 af/at/bt & PoH up to 95W	802.3 af/at/bt & PoH up to 95W

PoE Function

PoE Input	1	1	1	1
Gigabit Ethernet PoE Out	1	2	1	2
PD Pin Assignment	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)
PSE Pin Assignment	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-)
Output Power	48~55VDC, max. 68W Passive PoE	48~55VDC, max. 68W Passive PoE	48~55VDC, max. 68W Passive PoE	48~55VDC, max. 68W Passive PoE
Surge Protection /Each PoE Port	12KV	12KV	6KV	6KV

Ethernet Performance

MAC Table	2k	2k	2k	2k
Transmission Method	Store and Forward	Store and Forward	Store and Forward	Store and Forward
Switching Capacity	4 Gbps	6 Gbps	4 Gbps	6 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported	Supported

General

Waterproof IP Rating	-	-	IP67	IP67
Vandal Proof	-	-	IK10	IK10
Dimensions	90 x 69.4 x 28.5 mm	89 x 86.5 x 28 mm	157 x 55.8 x 39.75 mm	167.5 x 72.8 x 39.8 mm
Operating Temperature	'-40°C ~ 65°C (-40°F ~ 149°F)	'-40°C ~ 65°C (-40°F ~ 149°F)	'-40°C ~ 65°C (-40°F ~ 149°F)	'-40°C ~ 65°C (-40°F ~ 149°F)

PoE Injector

Inject power to devices where you need it

Model
AP-GIC-011A-030



1xGbE 802.3at
PoE Injector

Model
AP-GIC-011B-090



1xGbE 802.3bt 90W
PoE Injector

Model
AW-IHB-0100



Industrial 1xGbE
802.3bt 90W PoE Injector

Ethernet			
10M/100M/1G RJ45 Port	2	2	2
PoE Function			
Number of PoE Port	1	1	1
PoE Output Power	30W	90W	90W
PoE Standard	IEEE 802.3 af/at	IEEE 802.3 af/at/bt	IEEE 802.3 af/at/bt
Over Current Protection	Supported	Supported	Supported
Circuit Shorting Protection	Supported	Supported	Supported
Power Pin Assignment	1/2(+), 3/6(-)	3,6 / 4,5 (+), 1,2 / 7,8 (-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE PD Auto Detection	Supported	Supported	Supported
Standards			
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported
General			
Surge Protection	Contact discharge: ±6KV, Air discharge: ±8KV, Criterion B	Contact discharge: ±6KV, Air discharge: ±8KV	Contact discharge: ±6KV, Air discharge: ±8KV
Power Input	100~240V AC / 50~60Hz	100V~240VAC / 50~60Hz	48~56VDC for 30W 802.3af/at, 52~56VDC for 90W 802.3bt Redundant Dual DC Power Input
Power Consumption	35W	95W	95W
Dimensions	140 (L) x 45.5 (W) x 30 (H) mm	173 (L) x 80 (W) x 39.8 (H) mm	94 (L) x 60 (W) x 28 (H) mm
Operating Temperature	-10°C ~ 45°C (14°F ~ 133°F)	-10°C ~ 40°C (14°F ~ 104°F) @ 90W -10°C ~ 50°C (14°F ~ 122°F) @ 80W	-40°C ~ 75°C (-40°F ~ 167°F)

SFP Transceiver

Model
SFP-1000-MM85-X5



1.25G Multi-Mode SFP, 850nm,
0.5KM, 0°C ~ 70°C

Model
SFP-1000-MM13-02



1.25G Multi-Mode SFP, LC, 1310nm,
2KM, 0°C ~ 70°C

Model
SFP-1000-SM13-10



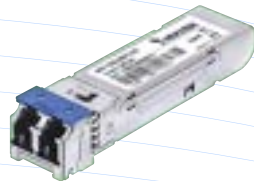
1.25G Single-Mode SFP, LC,
1310nm, 10KM, 0°C ~ 70°C

Model
SFP-1000-SM13-40



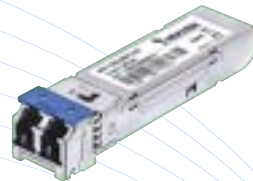
1.25G Single-Mode SFP, LC,
1310nm, 40KM, 0°C ~ 70°C

Model
SFP-1000-MM85-X5I



Industrial 1.25G Multi-Mode SFP,
LC, 850nm, 0.5KM, -40°C ~ 85°C

Model
SFP-1000-MM13-02I



Industrial 1.25G Multi-Mode SFP,
LC, 1310nm, 2KM, -40°C ~ 85°C

Model
SFP-1000-SM13-10I



Industrial 1.25G Single-Mode SFP,
LC, 1310nm, 10KM, -40°C ~ 85°C

Model
SFP-1000-SM13-40I



Industrial 1.25G Single-Mode SFP,
LC, 1310nm, 40KM, -40°C ~ 85°C

Model
SFP-1000-CPTX-X1



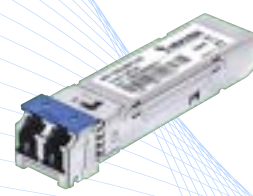
1000BaseT, SFP to RJ45,
100M, 0°C ~ 70°C

Model
SFP-1000-CPTX-X1I



1000BaseT, SFP to RJ45,
100M, -40°C ~ 85°C

Model
SFP-2000-MM85-X3



10G Multi-Mode SFP+, LC,
850nm, 0.3KM, 0°C ~ 70°C

Model
SFP-2000-SM13-10



10G Single-Mode SFP+, LC,
1310nm, 10KM, 0°C ~ 70°C

Surge Protector - Spec

Model
AT-PSP-001

Indoor Surge Protector



Model
AP-PSP-050

Outdoor Surge Protector



Port Configuration		
Number of Ports	1	1
Pass Through Data Rates	10/100/1000 Mbps	10/100/1000 Mbps
Max Discharge Current (8/20us, 1KA per Line)	8KA,16KV	8KA,16KV
Maximum Operation DC Voltage	60VDC	60VDC
Maximum Operation DC Current	1A for 2 pair, 2A for 4 pair, 95W maximum	1A for 2 pair, 2A for 4 pair, 95W maximum
Common Mode Protection Level (10/700us)	20KV	20KV
Differential Mode Protection Level (10/700us)	4KV	4KV
Clamping Voltage (Line to GND)	600V	600V
Clamping Voltage (Line to Line)	20V	20V
Insertion Loss @ 10MHz/100MHz	1db	1db
Return Loss @ 10MHz/100MHz	-20db	-20db
Response Time	5ns	5ns
Dimensions (WxHxD)	25 x 40 x 80 mm	186.2 x 50 x 32 mm
Weight	02.KG	027.KG
Connectors	RJ45 x 2	PG16(RJ45) x 2
Environmental Specifications		
Waterproof Rating	-	IP67
Operating Temperature	-40 °C ~ 85 °C (-40°F ~ 185°F)	-40 °C ~ 85 °C (-40°F ~ 185°F)
Storage Temperature	-40 °C ~ 85 °C (-40°F ~ 185°F)	-40 °C ~ 85 °C (-40°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing
Certifications		
Certifications_EMC	CE,FCC	CE,FCC,VCCI,C-Tick
Certifications_Safety	EN60950-1,IEC60950-1	EN60950-1,IEC60950-1
Certifications_Surge	ITU-T K.21, IEC-61643-21 IEC-61000-4-5, TIA-968-A (FCC Part68)	ITU-T K.21, IEC-61643-21 IEC-61000-4-5, TIA-968-A (FCC Part68)

Accessories

Industrial Din Rail Power Supply / Industrial Power Supply
/ Outdoor Power Box / Cabinet

Accessories

Industrial Din Rail Power Supply

DRL-48V120W1EN



Industrial Din Rail Power Supply, 48~52VDC/120W, -30°C to +70°C with -40°C Cold Start

DRL-48V240W1EN



Industrial Din Rail Power Supply, 48~52VDC/240W, -30°C to +70°C with -40°C Cold Start

Industrial Power Supply

HLG-80H-24



Industrial Wall Mount Power Supply, 24VDC/80W, -40°C ~ 70°C, IP67

HLG-80H-48



Industrial Wall Mount Power Supply, 48VDC/80W, -40°C ~ 70°C, IP67

HLG-80H-54



Industrial Wall Mount Power Supply, 54VDC/80W, -40°C ~ 70°C, IP67

HLG-120H-24



Industrial Wall Mount Power Supply, 24VDC/120W, -40°C ~ 70°C, IP67

HLG-120H-48



Industrial Wall Mount Power Supply, 48VDC/120W, -40°C ~ 70°C, IP67

HLG-120H-54



Industrial Wall Mount Power Supply, 54VDC/120W, -40°C ~ 70°C, IP67

HLG-240H-54



Industrial Wall Mount Power Supply, 54VDC/240W, -40°C ~ 70°C, IP67

HLG-240H-24



Industrial Wall Mount Power Supply, 24VDC/240W, -40°C ~ 70°C, IP67



Outdoor Power Box

AA-352



Outdoor IP67, IK10, 24VAC/6A, -40°C ~ 60°C


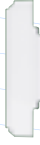
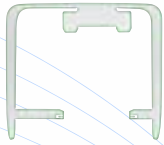

Cabinet

	AT-CAB-001	AT-CAB-001
		
	Cabinet for all VIVOTEK network cameras	Cabinet for VIVOTEK speed dome cameras
Housing	IP66, IK10	
Operating Temperature	-40 °C ~ 75 °C (-40 °F ~ 167 °F)	
Humidity	0.9	
Dimensions	289 x 280 x 132 mm	
Weight Net	3.5 kg	



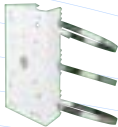




Cabinet using an external power supply.

Required Accessories

AT-SUN-001	AT-CAB-002	AT-SUN-002	AT-SWH-001
			
Sunshield for AT-CAx series cabinet	Side-mount bracket for HLG series power supply	Sunshield for AT-CAx + AT-CAB-002 cabinet combine with external power supply	Power Safety Kit included Door open/close detection switch(AT-SWH-002)

Optional Accessories

AT-WPC-001	AT-WPC-002	AM-314	AM-414	AT-PSP-001
				
M16 CABLE GLAND for 4~7mm AWG	M16 CABLE GLAND for Corrugated Tubing: 5/16 inch	Pole mount adapter	Industrial Din Rail Power Supply, 48~52VDC/120W, -30°C to +70°C with -40°C Cold Start	Indoor PoE Surge Protector

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