



PoE Brochure

• PoE Solution • Industrial Solution • Daisy-Chain PoE Network Camera • Accessory





A Leading IP Surveillance Solution Provider

VIVOTEK INC. (TAIEX: 3454), established in Taiwan in 2000, has quickly grown into a prestigious leading band in the security industry. Known for delivering world-class IP surveillance solutions. VIVOTEK's products are future-proof and highly reliable, facilitating the transition from traditional CCTV to wholly digital IP surveillance. Its comprehensive product lineup includes network cameras, video servers, NVRs, PoE solutions, and central management software, providing a wide portfolio of products and solutions for any application.

Through more than 183 authorized distributors in over 116 countries, VIVOTEK's broad array of products are successfully deployed by security dealers, telecoms and system integrators for a variety of applications and projects including retail, banking, city surveillance, hotel, transportation education and more.



CONVERGENCE of
V**I**deo, V**O**ice and C**O**munication **T**E**K**nology



Environmental Commitment

With the increasing environmental challenges of our time, VIVOTEK is deeply aware of the importance of coexisting with the environment for sustainable development. VIVOTEK has implemented a comprehensive, eco-friendly manufacturing policy applied to the product design, component selection, production, quality testing, packaging and shipping processes, effectively minimizing our carbon footprint on the environment. Together, we can be responsible stewards of a vibrant and sustainable future.

Green Design Guidelines

- Eliminating the use of hazardous substances (HSF)
- Easy disassembly and recycling (WEEE)
- Eco-design (ErP)

Index

PoE Solution	5
Managed PoE Switch -----	7
Non-PoE Switch-----	10
Unmanaged PoE Switch-----	12
PoE Extender-----	17
PoE Injector-----	20
Industrial Solution	23
Industrial Managed PoE Switch -----	25
Industrial Unmanaged PoE Switch-----	27
Industrial PoE Injector-----	31
Industrial Media Converter -----	32
Daisy-Chain PoE Network Camera	33
Accessory	36
Cabinet Solution-----	36
PoE Enclosure-----	38
SFP Transceiver -----	38
IR Illuminator -----	38
Industrial Power Supply-----	39

PoE Solution Product Highlight

Managed PoE Switch

VivoCam L2 Managed PoE Switch



AW-GEV-104A-130
VivoCam L2 Managed PoE Switch
8xGE PoE + 1xGE UTP + 1xGE SFP, 130W



AW-GEV-264A-185
VivoCam L2 Managed PoE Switch
24xGE PoE + 2xCombo GE, 185W



AW-GEV-264A-370
VivoCam L2 Managed PoE Switch
24xGE PoE + 2xCombo GE, 370W

Non-PoE Switch

L2 Plus Managed Switch



AW-GTS-287A
20xGE SFP + 4xCombo GE +
4x10G SFP+ L2 Plus Managed Switch



AW-GES-267A
24xGE + 2xCombo GE L2 Plus
Managed Switch

Unmanaged Switch



AW-TES-160A
2x10G UTP + 14x10G SFP+
Unmanaged Switch

Unmanaged PoE Switch

Fast Ethernet



AW-FED-0500-065
Unmanaged High Power 4xFE PoE +
1xFE DIP Switch, 60W



AW-FED-0500-120
Unmanaged High Power 4xFE PoE +
1xFE DIP Switch, 115W



AW-FET-050A-065
Unmanaged 4xFE PoE + 1xFE Switch, 60W



AW-FET-081A-065
Unmanaged 4xFE PoE + 4xFE Switch, 60W



AW-FET-080A-120
Unmanaged 8xFE PoE Switch, 115W



AW-FET-160A-250
Unmanaged 16xFE PoE Switch, 240W

Fast Ethernet + Gigabit Ethernet



AW-FGT-100A-120
Unmanaged 8xFE PoE + 1xGE UTP +
1xGE SFP Switch, 115W



AW-FGT-100B-120
Unmanaged 8xFE PoE +
2xFE UTP Switch, 115W



AW-FGT-180A-250
Unmanaged 16xFE PoE +
2xCombo GE Switch, 240W



AW-FGT-260A-250
Unmanaged 24xFE PoE +
2xCombo GE Switch, 240W

Gigabit Ethernet



AW-GET-050A-065
Unmanaged 4xGE PoE + 1xGE Switch, 60W



AW-GET-080A-120
Unmanaged 8xGE PoE Switch, 115W



AW-GET-100A-120
Unmanaged 8xGE PoE +
2xGE SFP Switch, 115W



AW-GET-180A-250
Unmanaged 16xGE PoE +
2xGE SFP Switch, 240W



AW-GET-260A-380
Unmanaged 24xGE PoE +
2xGE SFP Switch, 370W



AW-GEU-080A-250
Unmanaged 2xGE 60W UPoE +
4xGE 30W PoE + 2xGE Switch, 240W

PoE Extender

PoE Extender



AP-FXC-0100
Indoor 1-Port FE PoE Extender



AP-FXC-0200
Indoor 2-Port FE PoE Extender



AP-FXC-0201
Indoor 2-Port FE PoE Extender with Conduit Box



AP-FXC-0400
Indoor 4-Port FE PoE Extender



AP-FXC-0150
Outdoor 1-Port FE PoE Extender



AP-FXC-0250
Outdoor 2-Port FE PoE Extender

PoE Injector

PoE Injector



AP-FIC-010A-015
Indoor 1xFE IEEE 802.3af PoE Injector, 15W



AP-FIC-010B-015
Indoor 1xFE Passive PoE Injector, 15W



AP-GIC-010A-030
Indoor 1xGE IEEE 802.3at PoE Injector, 30W



AP-GIC-010B-030
Indoor 1xGE Passive PoE Injector, 30W



AP-GIC-010A-060
Indoor 1xGE High Power
UPoE Injector, 60W



AP-GIC-010A-095
Indoor 1xGE High Power
PoH/PoE Injector, 95W

Managed PoE Switch

VivoCam L2 Managed PoE Switch



The VIVOTEK AW-GEV series, referred to as VivoCam PoE switch, is the world's first PoE switch with IP surveillance management functions. This switch is not only a standard L2 PoE switch, but also able to set up and configure VIVOTEK IP cameras, NVR's and CMS'. With the AW-GEV series, the VivoCam PoE switch allows users to find all VIVOTEK devices and deploy a surveillance network system automatically.

Managing IP Surveillance	L2 Managed PoE Switch
<ul style="list-style-type: none"> • The Root VivoCam will Auto-Sync with All Sub VivoCam Switches • Auto Discovery and Classification of Network Devices • Batch Camera/Video Server F/W Upgrade • Batch Camera Configuration-File Import & Export • Batch Camera Network/Login Configuration • Auto Generated Surveillance Topology View • Easy Tag VLAN Configuration in Topology View • Smart Device-Management in Topology View • PoE On/Off Control and Ping Check in Topology View • Display IP Camera Live Stream in Topology View, Floor View and Google Map View • Supports Surveillance QoS and Mac-Lock Security 	<ul style="list-style-type: none"> • Supports L2 Plus Management • Supports DHCP Server & Client • Supports IPv4 Static Route • Supports IEEE802.1Q VLAN (up to 4096), Double Tag (Q-in-Q) • Supports IEEE802.1v Protocol VLAN, MAC-based VLAN • Supports 802.1d (STP), 802.1w (RSTP) and 802.1s (MSTP) • Supports LACP and Static Link Aggregation • Supports SNMP v1/v2c/v3 for Management • Supports HTTPS/SSL/SSHv1&v2 for Secured Connection • Supports Dual Image for Switch Firmware Backup • Supports Ethernet Cable Length Detection

Feature Highlight

• Surveillance Management

The AW-GEV series is specifically designed for surveillance applications. It comes with an integrated surveillance interface to easily configure all VIVOTEK devices, such as network cameras, NVR, video servers and CMS.

• Auto Discovery

AW-GEV series can automatically discover and classify any VIVOTEK devices such as network cameras, video servers and NVR's with a simple mouse click.

Camera & Encoder Device List Home - Management - Camera & Encoder - Device List

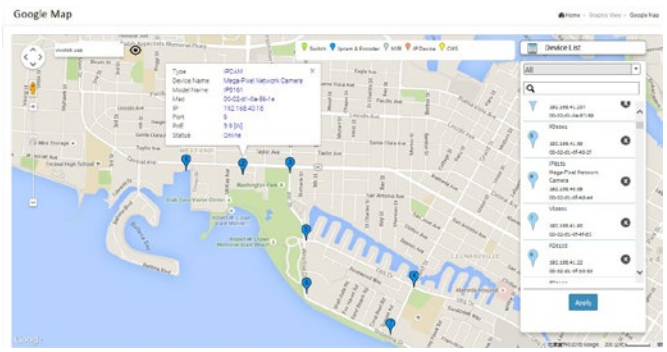
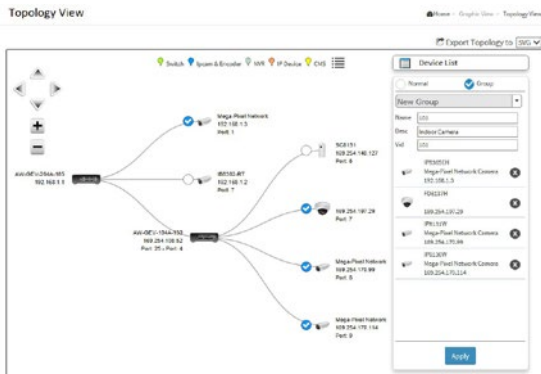
Auto-refresh 108 ON-LINE 7 OFF-LINE 68 MANAGED 47 UN-MANAGED

Removed
Reboot
Restore Default
Translate dynamic IP to static IP

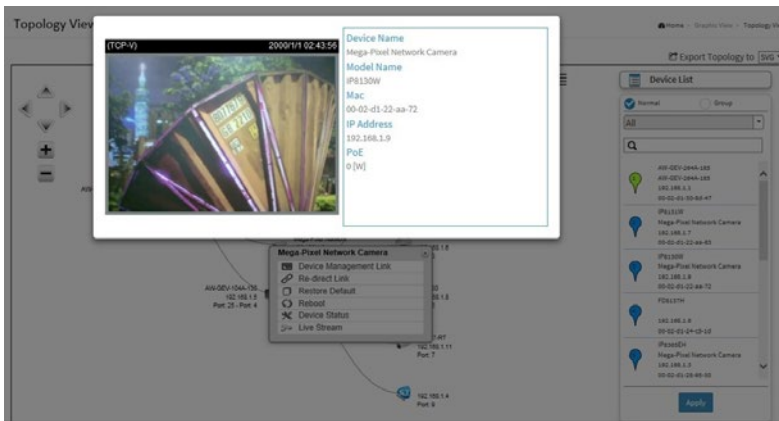
Show entries Search:

Select	Status	Model Name	Device Name	MAC	IP Address	IP State	Version
<input type="checkbox"/>	On Line	IP8162	Mega-Pixel Network Camera	00-02-D1-26-01-68	169.254.1.104	Static	0200d
<input type="checkbox"/>	On Line	CC8130	CC8130	00-02-D1-10-21-83	169.254.33.131	Static	0201a
<input type="checkbox"/>	On Line	IB8369	IB8369	00-02-D1-35-2D-E8	169.254.45.232	Static	0101a1
<input type="checkbox"/>	On Line	IP8371E	IP8371E	00-02-D1-29-40-8F	169.254.64.143	Static	0301b
<input type="checkbox"/>	On Line	FD816C-HSF2	FD816C-HSF2	00-02-D1-39-5C-EE	169.254.92.238	Static	0100v_2
<input type="checkbox"/>	On Line	IP8337H	IP8337H-C	00-02-D1-25-BA-95	169.254.186.149	Static	0100f
<input type="checkbox"/>	On Line	FD8151V	Mega-Pixel Network Camera	00-02-D1-27-C4-50	169.254.196.80	Dynamic	0103a
<input type="checkbox"/>	On Line	FE8171		00-02-D1-15-D7-41	192.168.40.11	Dynamic	0101c
<input type="checkbox"/>	On Line	FD8168-S	Mega-Pixel Network Camera	00-02-D1-19-00-C6	192.168.40.12	Dynamic	0100b6

• Graphic View

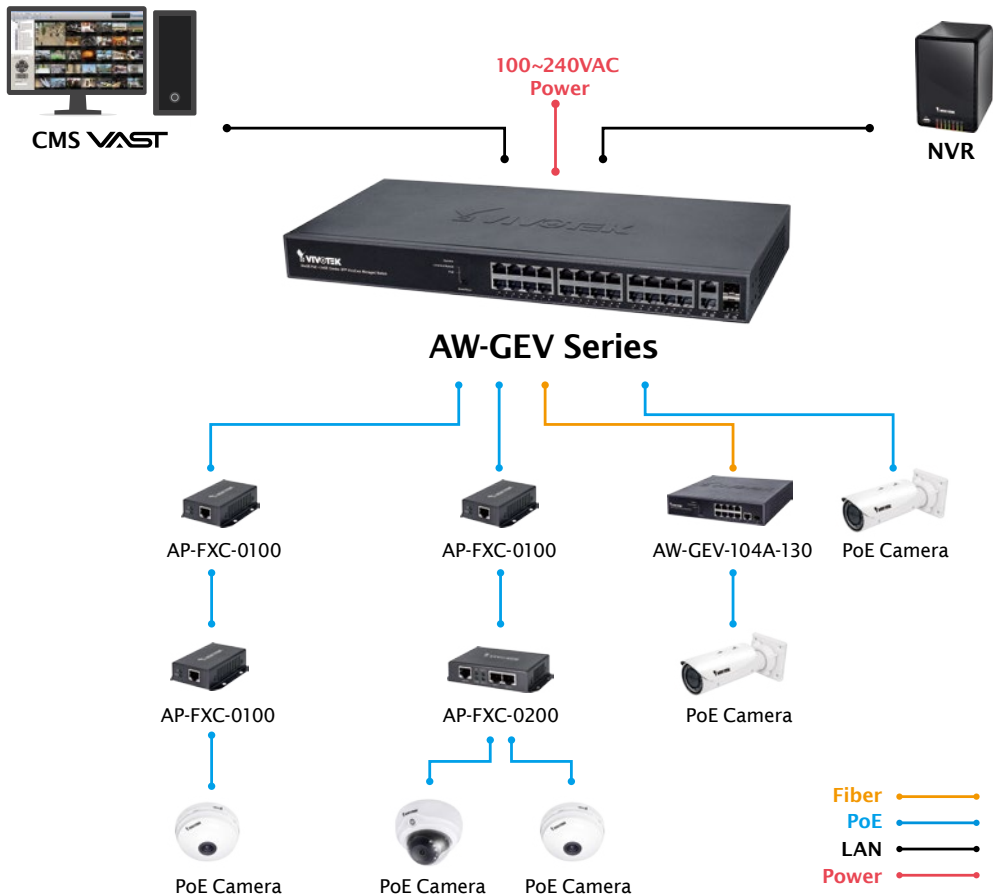


• Live Stream






Display live streaming camera window in Topology View, Floor View and Google Map View.

• Application



• Specifications

VivoCam L2 Managed PoE Switch

Model	AW-GEV-104A-130	AW-GEV-264A-185	AW-GEV-264A-370
			
Short Highlight	VivoCam L2 Managed PoE Switch 8xGE PoE + 1xGE UTP + 1xGE SFP	VivoCam L2 Managed PoE Switch 24xGE PoE + 2xCombo GE	VivoCam L2 Managed PoE Switch 24xGE PoE + 2xCombo GE
Ethernet Port			
Gigabit Ethernet (RJ45)	9	24	24
Gigabit Ethernet (SFP)	1	-	-
Combo Gigabit Ethernet (RJ45/SFP)	-	2	2
Number of PoE Out Ports	8	24	24
PoE Output Power	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 30W
Total PoE Power Budget	130 W	185 W	370 W
802.3af/at Standard Compatible	Yes	Yes	Yes
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
Ethernet Performance			
MAC Address	8 K	8 K	8 K
Buffer Memory	512 KB	512 KB	512 KB
Backplane	20 Gbps	52 Gbps	52 Gbps
Jumbo Frame	9K	9K	9K
Managing IP Surveillance Management			
Auto Search VIVOTEK Device	V	V	V
Surveillance Management List	V	V	V
DHCP Server Function	V	V	V
Grouping Setting for VLAN	V	V	V
Device On/Off Line Status	V	V	V
Managing IP Surveillance E-MAP View			
Topology View	V	V	V
Floor View	V	V	V
Google Map View	V	V	V
Managing IP Surveillance Maintenance			
VIVOTEK Camera Batch SW Upgrade	V	V	V
VIVOTEK Camera Configuration File Export/Import	V	V	V
Trouble Shooting	V	V	V
Traffic Monitoring	V	V	V
L2 Switch Function			
IEEE 802.1p Quality of Service	V	V	V
IEEE 802.1q Virtual LANs	V	V	V
IEEE 802.1d/w/S STP/RSTP/MSTP	V	V	V
IEEE 802.3ad Link Aggregation Control Protocol	V	V	V
IEEE 802.1X Authorization	V	V	V
IEEE802.3az Energy Efficient Ethernet	V	V	V
IEEE 802.3af/at Power over Ethernet	V	V	V
Power Input			
Number of Power Input	1	1	1
100~240VAC Power Input	V	V	V
General			
Dimensions	220 (L) x 242.4 (W) x 44 (H) mm	442 (L) x 211 (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)	0°C ~ 50°C (32°F ~ 122°F)

Non-PoE Switch

L2 Plus Managed Switch

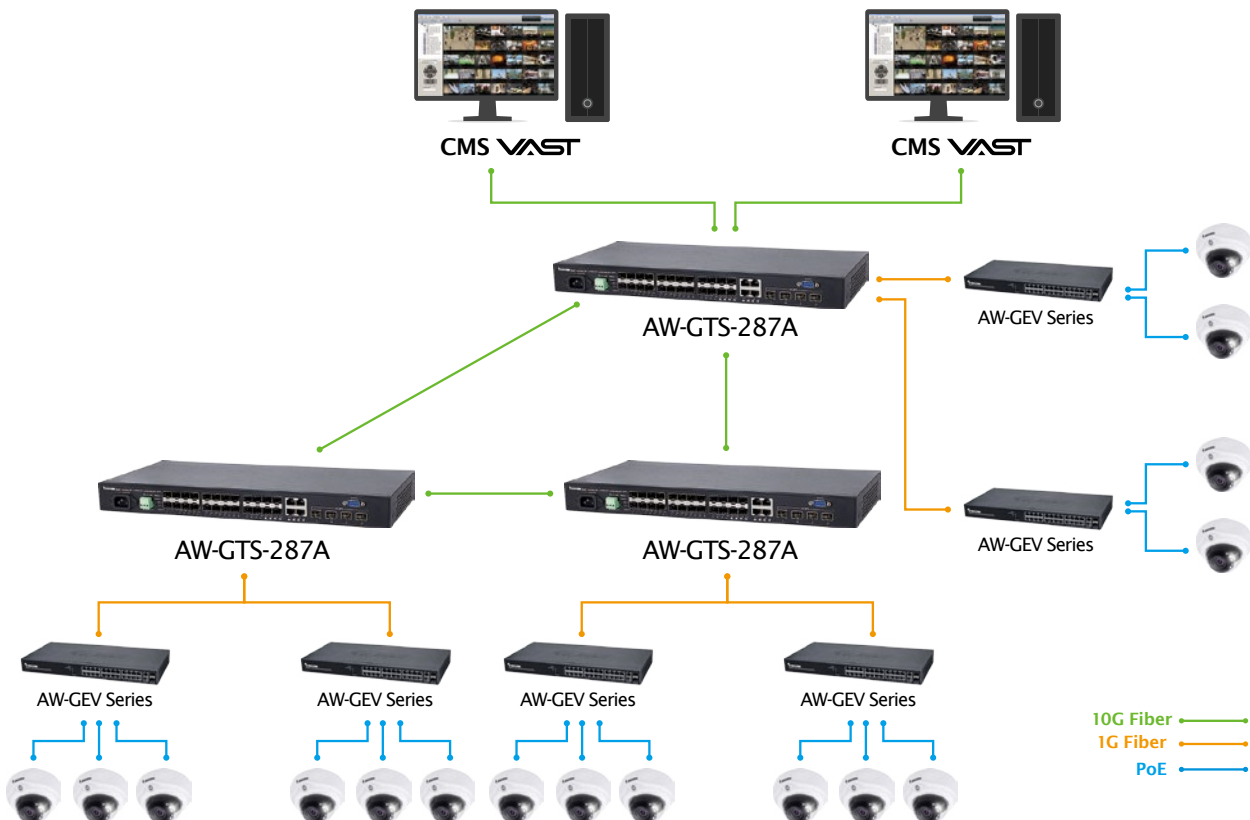


The VIVOTEK L2 Plus Managed Switch is a next-generation fiber switch offering a full suite of L2 Plus features and additional 1G/10G SFP+ uplink connections, which includes advanced L3 features such as static route that delivers a better cost-performance ratio and a lower total cost of ownership in both enterprise networks and backbone via fiber or copper connections.

Features

- L2 Plus Managed Switch Provides Easier Manageability, Robust Security and QoS
- IPv4/IPv6 L3 Static Route and DHCP Server
- AC/DC Dual Power Supply for Redundant Design
- Console Port for Telnet / Command Line Interface, SSH/SSL Secure Access, SNMP V1, V2c, V3, RMON, Web Browser, and TFTP Management

• Application



• Specifications

L2 Plus Managed Switch			Unmanaged Switch
Model	AW-GTS-287A	AW-GES-267A	AW-TES-160A

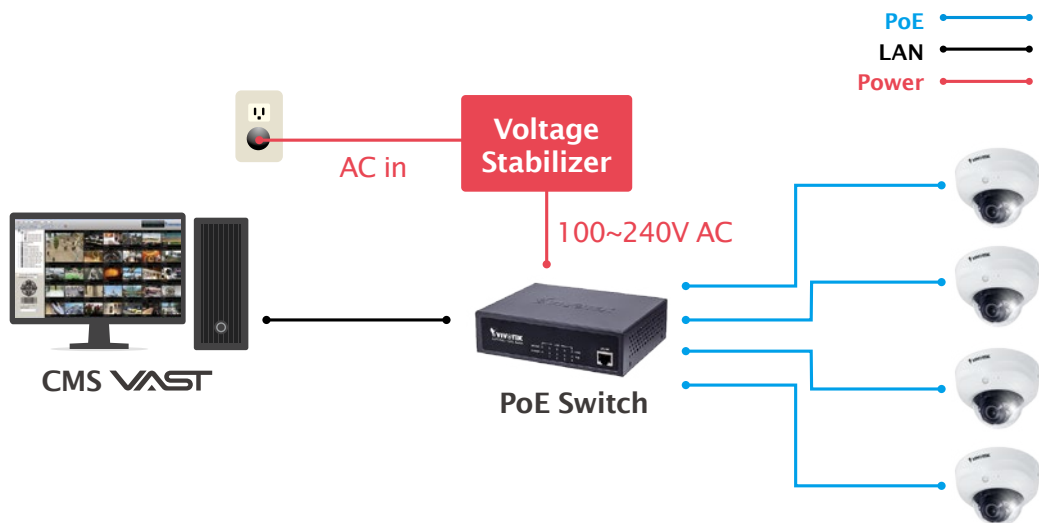


Short Highlight	20xGE SFP + 4xCombo GE + 4x10G SFP+ L2 Plus Managed Switch	24xGE + 2xCombo GE L2 Plus Managed Switch	2x10G UTP + 14x10G SFP+ Unmanaged Switch
Ethernet Port			
Gigabit Ethernet (RJ45)	-	24	-
Gigabit Ethernet (SFP)	20	-	-
Combo Gigabit Ethernet (RJ45/SFP)	4	2	-
10 Gigabit Ethernet (RJ45)	-	-	2
10 Gigabit Ethernet (SFP+)	4	-	14
Console Port	RS232	RJ45	-
Ethernet Performance			
MAC Address	32 K	8 K	16 K
Buffer Memory	4 MB	512 KB	2 MB
Backplane	128 Gbps	52 Gbps	320 Gbps
Jumbo Frame	9.82K	9K	9K
L2 Switch Function			
IEEE 802.1p Quality of Service	V	V	-
IEEE 802.1d/w/s STP/RSTP/MSTP	V	V	-
IEEE 802.1Q Virtual LANs (VLANs)	V	V	-
Q-in-Q (Double Tag) VLAN	V	V	-
IEEE 802.3ad Link Aggregation Control Protocol	V	V	-
IEEE 802.1X Authorization	V	V	-
GARP VLAN Registration Protocol (GVRP)	V	V	-
sFlow (Sampled Flow) Protocol	V	V	-
L3 Features			
IP Host Table	V	V	-
Static Route (IPv4/IPv6)	V	V	-
Static ARP	V	V	-
DHCP Server	V	V	-
Security			
Port Security (MAC-based)	V	V	-
RADIUS / TACACS+ Authentication	V	V	-
HTTPs and SSL (Secured Web)	V	V	-
SSH v1.5/v2.0 (Secured Telnet Session)	V	V	-
Power Input			
Number of Power Input	2	1	1
100~240VAC Power Input	V	V	V
Terminal Block	24~72VDC (40W)	-	-
General			
Dimensions	422 (L) x 211 (W) x 44 (H) mm	442 (L) x 211 (W) x 44 (H) mm	220 (L) x 243 (W) x 44 (H) mm
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	0°C ~ 50°C (32°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)





Unmanaged PoE Switch



The VIVOTEK Fast & Gigabit Ethernet Unmanaged Switch series is a cost-effective solution for IP surveillance of extending network. These unmanaged Ethernet switches come in a wide range of models including desktop and rack-mount form factors, 4 to 24 PoE ports, and power output from IEEE802.3af (15.4W) to UPoE (60W). These switches are energy efficient, built to last, and rigorously tested to provide the reliability businesses need.



• Specifications

Fast Ethernet				
Model	AW-FED-0500-065	AW-FED-0500-120	AW-FET-050A-065	AW-FET-081A-065
				
Short Highlight	Unmanaged High Power 4xFE PoE + 1xFE DIP Switch	Unmanaged High Power 4xFE PoE + 1xFE DIP Switch	Unmanaged 4xFE PoE + 1xFE Switch	Unmanaged 4xFE PoE + 4xFE Switch
Ethernet Port				
Fast Ethernet (RJ45)	5	5	5	8
Gigabit Ethernet (RJ45)	-	-	-	-
Gigabit Ethernet (SFP)	-	-	-	-
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	-
Number of PoE Out Ports	4	4	4	4
PoE Output Power	Per Port 56VDC, Max. 52W	Per Port 56VDC, Max. 52W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	60 W	115 W	60 W	60 W
802.3af/at Standard Compatible	-	-	V	V
802.3af/at Passive Compatible	V	V	-	-
60W UPoE Compatible	-	-	-	-
Power Pin Assignment	4/5(+), 7/8(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	Supported	Supported	-	-
Ethernet Performance				
MAC Address	1 K	1 K	1 K	1 K
Buffer Memory	48 KB	48 KB	48 KB	64 KB
Backplane	1 Gbps	1 Gbps	1 Gbps	1.6 Gbps
Jumbo Frame	-	-	-	-
Power Input				
Number of Power Input	1	1	1	1
100~240VAC Power Input	-	-	V	V
100~240VAC External Adaptor	V	V	-	-
General				
Dimensions	120 (L) x 90 (W) x 28 (H) mm	120 (L) x 90 (W) x 28 (H) mm	160 (L) x 123 (W) x 44 (H) mm	280 (L) x 128 (W) x 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)

• Specifications

	Fast Ethernet		Fast Ethernet + Gigabit Ethernet	
Model	AW-FET-080A-120	AW-FET-160A-250	AW-FGT-100A-120	AW-FGT-100B-120



Short Highlight	Unmanaged 8xFE PoE Switch	Unmanaged 16xFE PoE Switch	Unmanaged 8xFE PoE + 1xGE UTP + 1xGE SFP Switch	Unmanaged 8xFE PoE + 2xGE UTP Switch
Ethernet Port				
Fast Ethernet (RJ45)	8	16	8	8
Gigabit Ethernet (RJ45)	-	-	1	2
Gigabit Ethernet (SFP)	-	-	1	-
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	-
Number of PoE Out Ports	8	16	8	8
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	115 W	240 W	115 W	115W
802.3af/at Standard Compatible	V	V	V	V
802.3af/at Passive Compatible	-	-	-	-
60W UPoE Compatible	-	-	-	-
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)
PoE On/Off by DIP Switch	-	-	-	-
Ethernet Performance				
MAC Address	1 K	4 K	8 K	8 K
Buffer Memory	64 KB	160 KB	512 KB	512 KB
Backplane	1.6 Gbps	3.2 Gbps	5.6 Gbps	5.6 Gbps
Jumbo Frame	-	-	-	-
Power Input				
Number of Power Input	1	1	1	1
100~240VAC Power Input	V	V	V	V
General				
Dimensions	280 (L) x 182 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm	330 (L) x 119 (W) x 44 (H) mm	330 (L) x 119 (W) x 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)

• Specifications

Fast Ethernet + Gigabit Ethernet			Gigabit Ethernet	
Model	AW-FGT-180A-250	AW-FGT-260A-250	AW-GET-050A-065	AW-GET-080A-120
				
Short Highlight	Unmanaged 16xFE PoE + 2xCombo GE Switch	Unmanaged 24xFE PoE + 2xCombo GE Switch	Unmanaged 4xGE PoE + 1xGE Switch	Unmanaged 8xGE PoE Switch
Ethernet Port				
Fast Ethernet (RJ45)	16	24	-	8
Gigabit Ethernet (RJ45)	-	-	5	-
Gigabit Ethernet (SFP)	-	-	-	-
Combo Gigabit Ethernet (RJ45/SFP)	2	2	-	-
Number of PoE Out Ports	16	24	4	8
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	240 W	240 W	60 W	115 W
802.3af/at Standard Compatible	V	V	V	V
802.3af/at Passive Compatible	-	-	-	-
60W UPoE Compatible	-	-	-	-
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	-	-	-	-
Ethernet Performance				
MAC Address	4 K	4 K	8 K	8 K
Buffer Memory	352 KB	352 KB	96 KB	104 KB
Backplane	7.2 Gbps	8.8 Gbps	10 Gbps	16 Gbps
Jumbo Frame	-	-	9K	9K
Power Input				
Number of Power Input	1	1	1	1
100~240VAC Power Input	V	V	V	V
General				
Dimensions	440 (L) x 200 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm	160 (L) x 123 (W) x 44 (H) mm	280 (L) x 182 (W) x 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)

• Specifications

Gigabit Ethernet

Model	AW-GET-100A-120	AW-GET-180A-250	AW-GET-260A-380	AW-GEU-080A-250
-------	-----------------	-----------------	-----------------	-----------------



Short Highlight	Unmanaged 8xGE PoE + 2xGE SFP Switch	Unmanaged 16xGE PoE + 2xGE SFP Switch	Unmanaged 24xGE PoE + 2xGE SFP Switch	Unmanaged 2xGE 60W UPoE + 4xGE 30W PoE + 2xGE Switch
Ethernet Port				
Fast Ethernet (RJ45)	-	-	-	-
Gigabit Ethernet (RJ45)	8	16	24	8
Gigabit Ethernet (SFP)	2	2	2	-
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	-
Number of PoE Out Ports	8	16	24	6
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56V DC, Max. 30W or 60W
Total PoE Power Budget	115W	240W	370W	240W
802.3af/at Standard Compatible	√	√	√	√
802.3af/at Passive Compatible	-	-	-	-
60W UPoE Compatible	-	-	-	√
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-) for 30W 1/2(+), 3/6(-), 4/5(+), 7/8(-) for 60W
PoE On/Off by DIP Switch	-	-	-	-
Ethernet Performance				
MAC Address	8 K	8 K	8 K	8 K
Buffer Memory	128 KB	512 KB	512 KB	104 KB
Backplane	20 Gbps	36 Gbps	52 Gbps	16 Gbps
Jumbo Frame	9K	9K	9K	9K
Power Input				
Number of Power Input	1	1	1	1
100~240VAC Power Input	√	√	√	√
General				
Dimensions	280 (L) x 213 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm	280 (L) x 182 (W) x 44 (H) mm	280 (L) x 182 (W) x 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)

PoE Extender



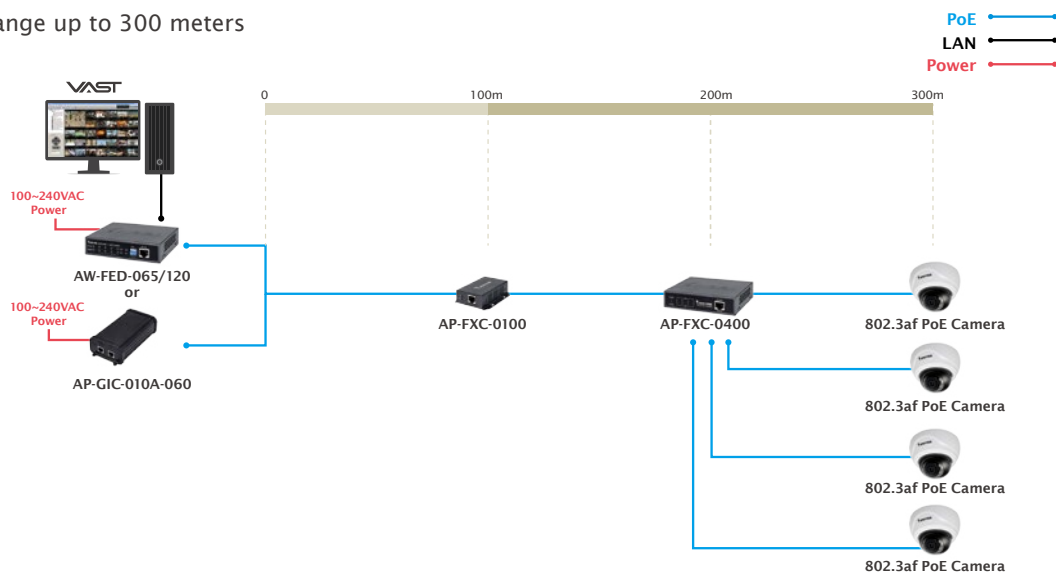
The VIVOTEK PoE Extender series provides a simpler and easier implementation of long-range (up to 300 meters) surveillance system, solving cable length limitations and power supply issues for installers and system integrators. Given the limitations of data-transfer over Ethernet, the previous maximum distance between a PoE switch and network cameras was 100 meters. However, with VIVOTEK's new PoE extender technology, installers and systems integrators can now build wider networks while still maintaining reliability.

Features

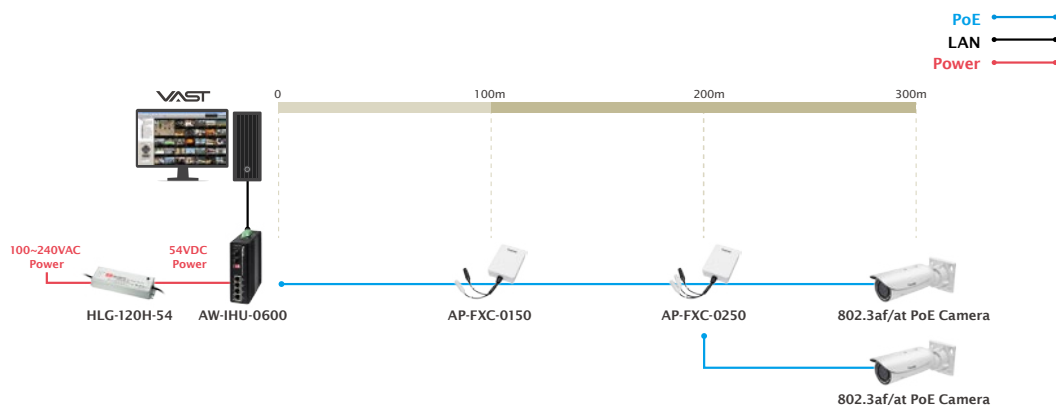
- Extend Range Up to 300 Meters (984ft)
- No Local Power Required
- Simple Installation, No Set-Up or Configuration Required
- Conduit Box Type for VIVOTEK Dome Camera Installation
- Outdoor Model Supports By AP-FXC-0150 / AP-FXC-0250

Application

Extend range up to 300 meters



Outdoor model supports by AP-FXC-0150 / AP-FXC-0250



• Specifications

Indoor			
Model	AP-FXC-0100	AP-FXC-0200	AP-FXC-0201
			
Short Highlight	Indoor 1-Port FE PoE Extender	Indoor 2-Port FE PoE Extender	Indoor 2-Port FE PoE Extender with Conduit Box
PoE Extension			
Extension Distance	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension
Input Port			
Fast Ethernet (RJ45)	1	1	1
Max. PoE Power	60W	60W	60W
Output Port			
Fast Ethernet (RJ45)	1	2	2
Max. PoE Power Standard	-	-	-
Max. PoE Power Passive	48W	48W	48W
Power Pin Assignment	4/5 (+), 7/8 (-)	4/5 (+), 7/8 (-)	4/5 (+), 7/8 (-)
Ethernet Performance			
MAC Address	2 K	2 K	2 K
Buffer Memory	48 KB	48 KB	48 KB
Backplane	1.0 Gbps	1.0 Gbps	1.0 Gbps
General			
Dimensions	80 (L) x 70 (W) x 23 (H) mm	58 (L) x 108 (W) x 23 (H) mm	153 (L) x 153 (W) x 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)

• Specifications

	Indoor	Outdoor	
Model	AP-FXC-0400	AP-FXC-0150	AP-FXC-0250
Short Highlight	Indoor 4-Port FE PoE Extender	Outdoor 1-Port FE PoE Extender	Outdoor 2-Port FE PoE Extender
PoE Extension			
Extension Distance	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension
Input Port			
Fast Ethernet (RJ45)	1	1	1
Max. PoE Power	60W	60W	60W
Output Port			
Fast Ethernet (RJ45)	4	1	2
Max. PoE Power Standard	30W	-	-
Max. PoE Power Passive	-	48W	48W
Power Pin Assignment	1/2 (+), 3/6 (-)	4/5 (+), 7/8 (-)	4/5 (+), 7/8 (-)
Ethernet Performance			
MAC Address	1 K	2 K	2 K
Buffer Memory	48 KB	48 KB	48 KB
Backplane	1.0 Gbps	1.0 Gbps	1.0 Gbps
General			
Dimensions	120 (L) x 90 (W) x 28 (H) mm	160 (L) x 114 (W) x 45 (H) mm	160 (L) x 114 (W) x 45 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)

PoE Injector

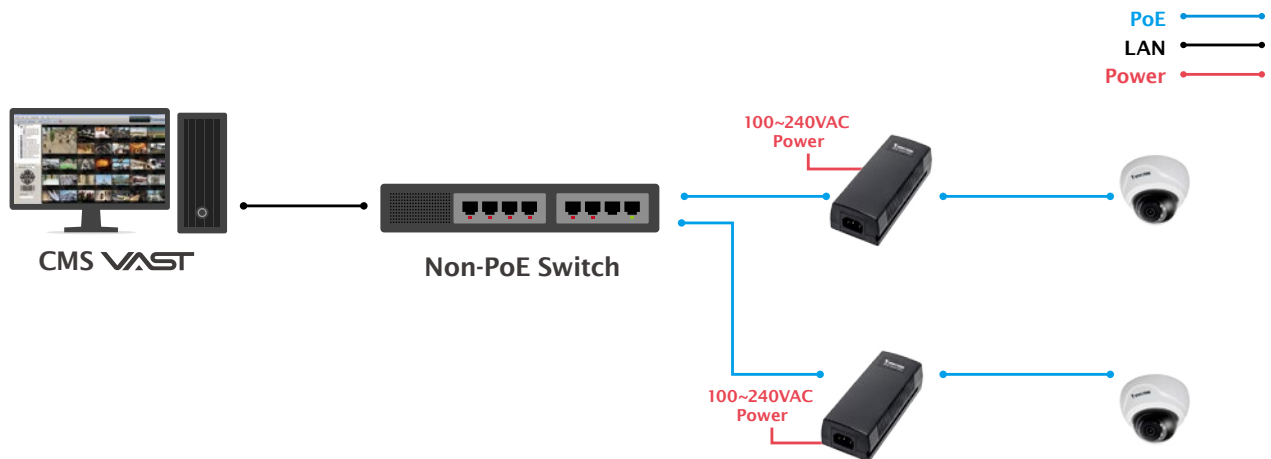


VIVOTEK launches a series of single-port PoE Injectors from 15.4W to 95W, meeting the requirements of a wide range of IP surveillance devices wattage output and providing easier installation. The AP-FIC/GIC series are designed with internal power supply in a compact housing. Carrying both Ethernet data and power simultaneously, it helps users to utilize just one Ethernet cable to easily install and deploy IP camera, wireless AP or VoIP phone networking in environments where power outlets are hard to find.

Features

- All-in-One Compact Size Design with Internal Power Supply
- Provide 1-Port PoE Power with Fast or Gigabit Ethernet
- Support PoE Power with 15.4W/30W/60W/95W

• Application



• Specifications

15W		30W	
Model	AP-FIC-010A-015	AP-FIC-010B-015	AP-GIC-010A-030



Short Highlight	Indoor 1xFE IEEE 802.3af PoE Injector	Indoor 1xFE Passive PoE Injector	Indoor 1xGE IEEE 802.3at PoE Injector
Ethernet			
Fast Ethernet (RJ45)	1	1	-
Gigabit Ethernet (RJ45)	-	-	1
Number of PoE Out Ports	1	1	1
PoE Output Power	Per Port 54VDC, Max. 15.4W	Per Port 54VDC, Max. 15.4W	Per Port 54VDC, Max. 30W
802.3at Standard Compatible	-	-	V
802.3af Standard Compatible	V	-	V
802.3at Passive Compatible	-	-	-
802.3af Passive Compatible	-	V	-
60W UPoE Compatible	-	-	-
95W PoH/PoE Compatible	-	-	-
Power Pin Assignment	1/2(+), 3/6(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)
PoE PD Auto Detection	V	-	V
Power Input			
Number of Power Input	1	1	1
100~240VAC Power Input	V	V	V
General			
Dimensions	145 (L) x 63 (W) x 42 (H) mm	145 (L) x 63 (W) x 42 (H) mm	145 (L) x 63 (W) x 42 (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)

• Specifications

	30W	60W	95W
Model	AP-GIC-010B-030	AP-GIC-010A-060	AP-GIC-010A-095



Short Highlight	Indoor 1xGE Passive PoE Injector	Indoor 1xGE 60W High Power UPoE Injector	Indoor 1xGE 95W High Power PoH/PoE Injector
Ethernet			
Fast Ethernet (RJ45)	-	-	-
Gigabit Ethernet (RJ45)	1	1	1
Number of PoE Out Ports	1	1	1
PoE Output Power	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 60W	Per Port 54VDC, Max. 95W
802.3at Standard Compatible	-	-	-
802.3af Standard Compatible	-	-	-
802.3at Passive Compatible	V	-	-
802.3af Passive Compatible	-	-	-
60W UPoE Compatible	-	V	-
95W PoH/PoE Compatible	-	-	V
Power Pin Assignment	4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE PD Auto Detection	-	V	V
Power Input			
Number of Power Input	1	1	1
100~240VAC Power Input	V	V	V
General			
Dimensions	145 (L) x 63 (W) x 42 (H) mm	162 (L) x 84 (W) x 44 (H) mm	162 (L) x 84 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	-20°C ~ 30°C (-4°F ~ 86°F)

Industrial Solution Product Highlight

Industrial Managed PoE Switch

Industrial L2 Managed PoE Switch



AW-IHT-1270
8xGE PoE + 4xGE SFP L2 Managed
PoE Switch, 240W

Industrial Unmanaged PoE Switch

Fast Ethernet



AW-IHT-0500
Industrial 4xFE PoE + 1xFE Switch, 120W



AW-IHT-0501
Industrial 4xFE PoE + 1xFE SC
Muti-Mode 2KM Switch, 120W



AW-IHT-0502
Industrial 4xFE PoE + 1xFE SC
Single-Mode 30KM Switch, 120W



AW-IHT-0602
Industrial EN50155 4xFE M12 PoE +
2xFE M12 Switch, 120W

Gigabit Ethernet



AW-IHT-0200
Industrial 1xGE PoE +
1xGE SFP Switch, 30W



AW-IHU-0200
Industrial 1xGE UPoE +
1xGE SFP Switch, 60W



AW-IHH-0200
Industrial 1xGE PoH/PoE +
1xGE SFP Switch, 95W



AW-IHT-0600
Industrial 4xGE PoE + 1xGE Combo +
1xGE SFP Switch, 120W



AW-IHU-0600
Industrial 4xGE 60W UPoE +
2xGE SFP Switch, 240W



AW-IHT-0601
Industrial 4xGE PoE + 1xGE Combo +
1xGE SFP Switch, 65W/120W

Industrial PoE Injector

Industrial PoE Injector



AW-IHT-0100
Industrial 1xGE PoE Injector, 30W



AW-IHU-0100
Industrial 1xGE UPoE Injector, 60W



AW-IHH-0100
Industrial 1xGE PoH/PoE Injector, 95W

Industrial Media Converter

Industrial Media Converter



AW-IHS-0200
Industrial 1xFE + 1xFE SC Multi-Mode
2KM Media Converter



AW-IHS-0201
Industrial 1xFE + 1xFE SC Single-Mode
30KM Media Converter



AW-IHS-0202
Industrial 1xFE + 1xFE SFP Media Converter



AW-IHS-0203
Industrial 1xGE + 1xGE SFP Media Converter

Industrial Managed PoE Switch

L2 Plus Managed PoE Switch



VIVOTEK's ruggedized industrial PoE switch is designed for operating in wide temperatures from -40°C to 75°C with excellent tolerance capability to high vibration and shock. By enabling alive checking, the switch will periodically communicate with PoE cameras to monitor the real-time status of power delivery, which reduces management burden and increases system reliability. Its power scheduling feature enables it to switch off at certain times when those devices are not needed. VIVOTEK industrial managed PoE switch eliminates the need for installing additional power outlets or adapters, thus network power planning is simplified and overall installation and maintenance costs are reduced. In addition, the Layer 2 switch offers a full complement of management functions to allow easy-to-use configuration and monitoring.

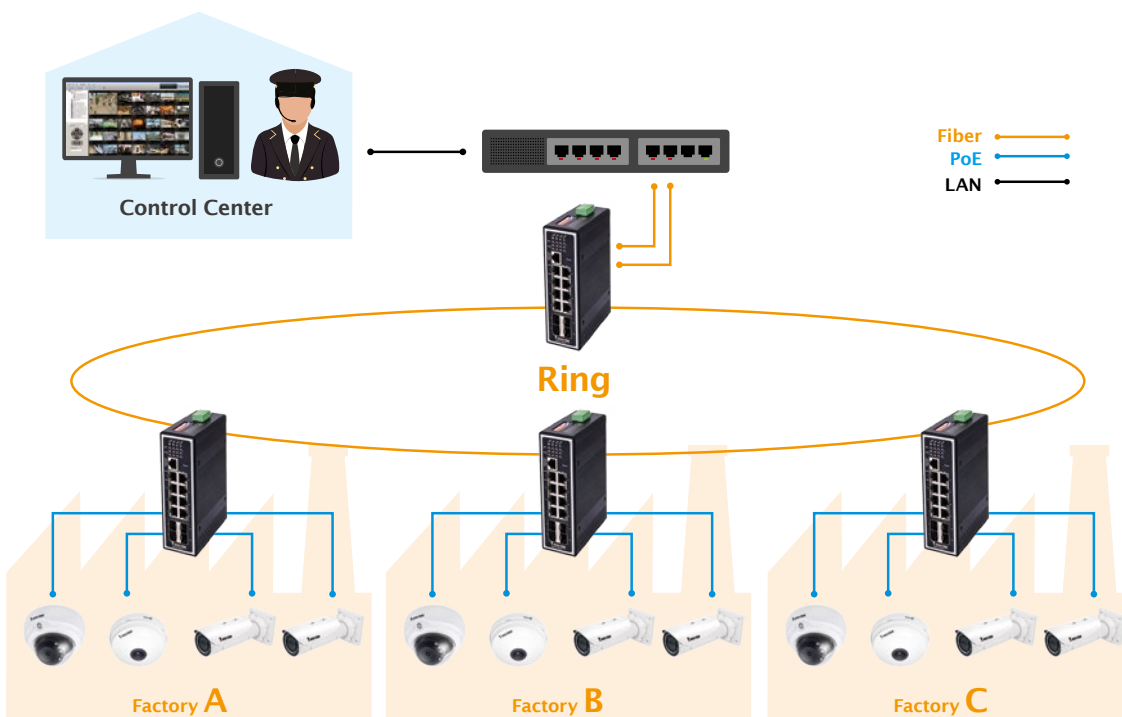
Features

- Robust Switch Performance
- High-Power Budget for PoE Cameras
- Intelligent PoE for Powered Devices
- Redundant Power System
- Bandwidth Management to Prevent Unpredictable Network Status
- Redundant Ring and Fast Recovery for Surveillance System

• PoE Alive-Checking



• Application



• Specifications

Industrial L2 Managed PoE Switch

Model

AW-IHT-1270



Short Highlight

8xGE PoE + 4xGE SFP L2 Managed PoE Switch

Ethernet Port

Gigabit Ethernet (RJ45)	8
Gigabit Ethernet (SFP)	4
Combo Gigabit Ethernet (RJ45/SFP)	-
Number of PoE Out Ports	8
PoE Port Output Power	Per Port 56VDC, Max. 30W
Total PoE Power Budget	240W
802.3af/at Standard Compatible	V
Power Pin Assignment	1/2(+), 3/6(-)

Ethernet Performance

MAC Address	8 K
Buffer Memory	512 KB
Backplane	24 Gbps
Jumbo Frame	9K

L2 Switch Function

IEEE 802.1p Quality of Service	V
IEEE 802.1q Virtual LANs	V
IEEE 802.1d/w/s STP/RSTP/MSTP	V
IEEE 802.3ad Link Aggregation Control Protocol	V
IEEE 802.1X Authorization	V
IEEE802.3az Energy Efficient Ethernet	V
IEEE 802.3af/at Power over Ethernet	V

L3 Features

Static Route (IPv4/IPv6)	V
DHCP Server	V

Security

Port Security (MAC-based)	V
Access Control List	V
SSH	V

PoE Management

PoE Status	V
Reboot IP Camera	V
Alive Checking for IP Camera	V
PoE Power Delay Time	V
PoE On/Off Scheduling	V

Power Input

Number of Power input	2
Terminal Block	V
DC	48-56V

General

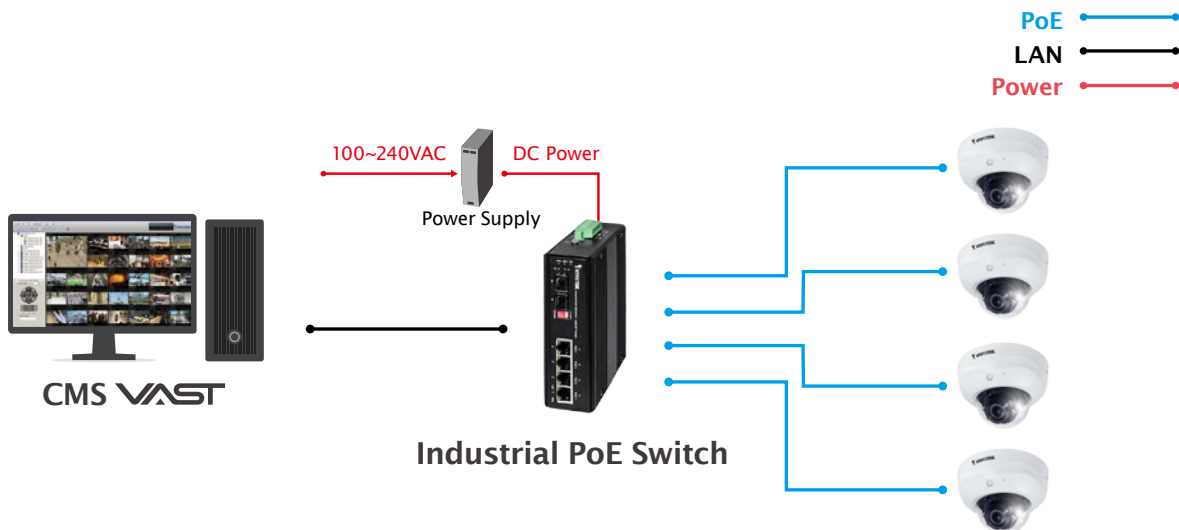
Dimensions	161.5 (L) x 131.2 (W) x 50 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)

Industrial Unmanaged PoE Switch







The VIVOTEK industrial unmanaged PoE Switch series is a robust and cost-effective solution for harsh IP Surveillance environment of extending network. These industrial-grade unmanaged PoE switches come in a wide range of models including din-rail, rack-mount form factors, as well as M12 connectors with EN50155 for mobile applications, from 1 to 8 PoE Ports, and power output from IEEE802.3af (15.4W) to PoH/PoE (95W). These switches are energy efficient, built to last, and rigorously tested to provide the reliability businesses need.

• Application







• Specifications

Fast Ethernet



Model	AW-IHT-0500	AW-IHT-0501	AW-IHT-0502	AW-IHT-0602
				
Short Highlight	Industrial 4xFE PoE + 1xFE Switch	Industrial 4xFE PoE + 1xFE SC Multi-Mode 2KM Switch	Industrial 4xFE PoE + 1xFE SC Single-Mode 30KM Switch	Industrial EN50155 4xFE M12 PoE + 2xFE M12 Switch
Ethernet Port				
Fast Ethernet (RJ45)	5	4	4	-
Fast Ethernet (Fiber)	-	1xSC Multi-mode 2 km	1xSC Single-mode 30 km	-
Fast Ethernet (M12)	-	-	-	6
Gigabit Ethernet (RJ45)	-	-	-	-
Gigabit Ethernet (SFP)	-	-	-	-
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	-
Number of PoE Out Ports	4	4	4	4
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	120 W	120 W	120 W	120 W
802.3af/at Standard Compatible	V	V	V	V
60W UPoE Compatible	-	-	-	-
95W PoH/PoE Compatible	-	-	-	-
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
Ethernet Performance				
MAC Address	1 K	1 K	1 K	1 K
Buffer Memory	128 KB	128 KB	128 KB	128 KB
Backplane	1 Gbps	1 Gbps	1 Gbps	1.2 Gbps
Jumbo Frame	-	-	-	-
Power Input				
Number of Power Input	2	2	2	2
Terminal Block	V	V	V	V
DC	48-56V	48-56V	48-56V	24-56V
General				
Dimensions	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 36.2 (H) mm	112 (L) x 112 (W) x 60 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

• Specifications

Gigabit Ethernet				
Model	AW-IHT-0200	AW-IHU-0200	AW-IHH-0200	AW-IHT-0600
				
Short Highlight	Industrial 1xGE PoE + 1xGE SFP Switch	Industrial 1xGE 60W UPoE + 1xGE SFP Switch	Industrial 1xGE 95W PoH/PoE + 1xGE SFP Switch	Industrial 4xGE PoE + 1xGE Combo + 1xGE SFP Switch
Ethernet Port				
Fast Ethernet (RJ45)	-	-	-	-
Fast Ethernet (Fiber)	-	-	-	-
Fast Ethernet (M12)	-	-	-	-
Gigabit Ethernet (RJ45)	1	1	1	4
Gigabit Ethernet (SFP)	1	1	1	1
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	1
Number of PoE Out Ports	1	1	1	4
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 60W	Per Port 56VDC, Max. 95W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	30 W	60 W	95W	120 W
802.3af/at Standard Compatible	V	-	-	V
60W UPoE Compatible	-	V	-	-
95W PoH/PoE Compatible	-	-	V	-
Power Pin Assignment	1/2(+), 3/6(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(+), 3/6(-)
Ethernet Performance				
MAC Address	1 K	1 K	1 K	1 K
Buffer Memory	128 KB	128 KB	128 KB	128 KB
Backplane	2 Gbps	2 Gbps	2 Gbps	12 Gbps
Jumbo Frame	9 KB	9 KB	9 KB	9 KB
Power Input				
Number of Power Input	1	1	1	2
Terminal Block	V	V	V	V
DC	48-56V	50-56V	50-56V	48-56V
General				
Dimensions	103.5 (L) x 81.5 (W) x 32 (H) mm	103.5 (L) x 81.5 (W) x 32 (H) mm	103.5 (L) x 81.5 (W) x 32 (H) mm	142 (L) x 105 (W) x 43 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

• Specifications

Gigabit Ethernet

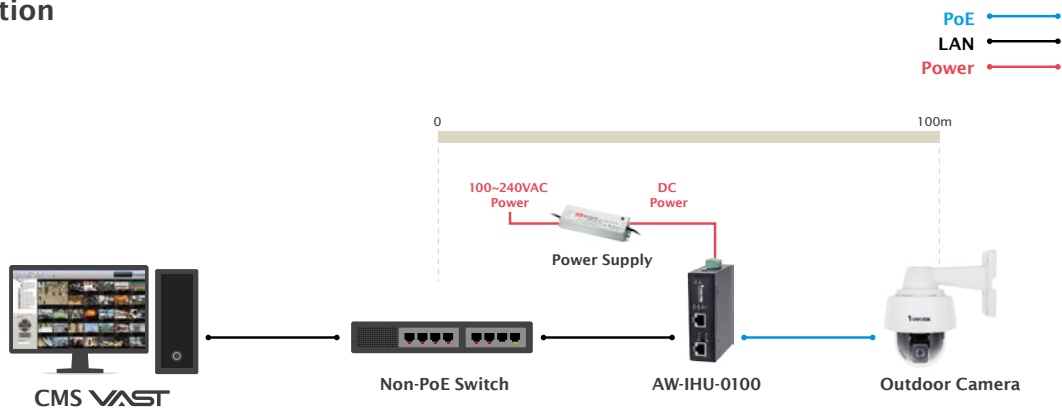
Model	AW-IHU-0600	AW-IHT-0601
		
Short Highlight	Industrial 4xGE 60W UPoE + 2xGE SFP Switch	Industrial 4xGE PoE + 1xGE Combo + 1xGE SFP Switch
Ethernet Port		
Fast Ethernet (RJ45)	-	-
Fast Ethernet (Fiber)	-	-
Fast Ethernet (M12)	-	-
Gigabit Ethernet (RJ45)	4	4
Gigabit Ethernet (SFP)	2	1
Combo Gigabit Ethernet (RJ45/SFP)	-	1
Number of PoE Out Ports	4	4
PoE Output Power	Per Port 56VDC, Max. 60W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	240 W	24VDC ~ 56VDC: 120 W 12VDC: 65 W
802.3af/at Standard Compatible	-	V
60W UPoE Compatible	V	-
95W PoH/PoE Compatible	-	-
Power Pin Assignment	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(+), 3/6(-)
Ethernet Performance		
MAC Address	1 K	1 K
Buffer Memory	128 KB	128 KB
Backplane	12 Gbps	12 Gbps
Jumbo Frame	9 KB	9 KB
Power Input		
Number of Power input	2	2
Terminal Block	V	V
DC	50-56V	12-56V
General		
Dimensions	142 (L) x 105 (W) x 43 (H) mm	142 (L) x 105 (W) x 43 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

Industrial PoE Injector




The VIVOTEK Industrial PoE Injector series is designed for IP surveillance devices of wide wattage output and easy installation under extreme temperature from -40°C to 75°C requirements. With redundant power backup design, VIVOTEK industrial PoE injectors provide an imminently and sufficient back-up for unpredictable and unstable power environment. These industrial-grade PoE injectors are designed for wall-mount/din-rail mount, and power output from IEEE802.3at (30W) to PoH/PoE (95W) for different installation requirements.

• Application



• Specifications

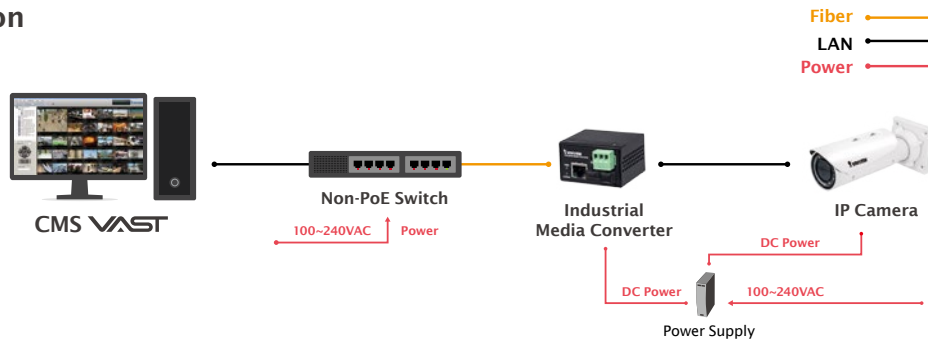
	30W	60W	95W
Model	AW-IHT-0100	AW-IHU-0100	AW-IHH-0100
			
Short Highlight	Industrial 1xGE PoE Injector	Industrial 1xGE 60W UPoE Injector	Industrial 1xGE 95W PoH/PoE Injector
Ethernet Port			
Gigabit Ethernet (RJ45)	1	1	1
Number of PoE Out Ports	1	1	1
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 60W	Per Port 56VDC, Max. 95W
802.3af/at Standard Compatible	√	√	-
60W UPoE Compatible	-	√	-
95W PoH/PoE Compatible	-	-	√
Power Pin Assignment	1/2(+), 3/6(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE PD Auto Detection	√	√	√
Power Input			
Number of Power Input	2	2	2
Terminal Block	√	√	√
DC	48-56V	50-56V	50-56V
General			
Dimensions	103 (L) x 81 (W) x 32 (H) mm	103 (L) x 81 (W) x 32 (H) mm	103 (L) x 81 (W) x 32 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

Industrial Media Converter







VIVOTEK offers a series of Fiber to Ethernet and Gigabit Fiber to Ethernet media converters for Ethernet extension under harsh environment. It is equipped with one RJ-45 cooper and flexible options SFP slot interface in a rugged metal case with redundant power system. VIVOTEK industrial media converter allows effortless and convenient long-range installation.

• Application



• Specifications

	Fast Ethernet			Gigabit Ethernet
Model	AW-IHS-0200	AW-IHS-0201	AW-IHS-0202	AW-IHS-0203
				
Short Highlight	Industrial 1xFE + 1xFE SC Multi-Mode 2KM Media Converter	Industrial 1xFE + 1xFE SC Single-Mode 30KM Media Converter	Industrial 1xFE + 1xFE SFP Media Converter	Industrial 1xGE + 1xGE SFP Media Converter
Ethernet Port				
Fast Ethernet (RJ45)	1	1	1	-
Fast Ethernet (Fiber)	1xSC Multi-Mode 2KM	1xSC Single-Mode 30KM	-	-
Fast Ethernet (SFP)	-	-	1	-
Gigabit Ethernet (RJ45)	-	-	-	1
Gigabit Ethernet (SFP)	-	-	-	1
Ethernet Performance				
MAC Address	1 K	1 K	1 K	1 K
Buffer Memory	128 KB	128 KB	128 KB	128 KB
Power Input				
Number of Power input	1	1	1	2
Terminal Block	V	V	V	V
DC/AC	12-60VDC 18-36VAC	12-60VDC 18-36VAC	12-60VDC 18-36VAC	12-56VDC 18-36VAC
General				
Dimensions	59 (L) x 49 (W) x 36 (H) mm	59 (L) x 49 (W) x 36 (H) mm	59 (L) x 49 (W) x 36 (H) mm	103.5 (L) x 81.5 (W) x 32 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

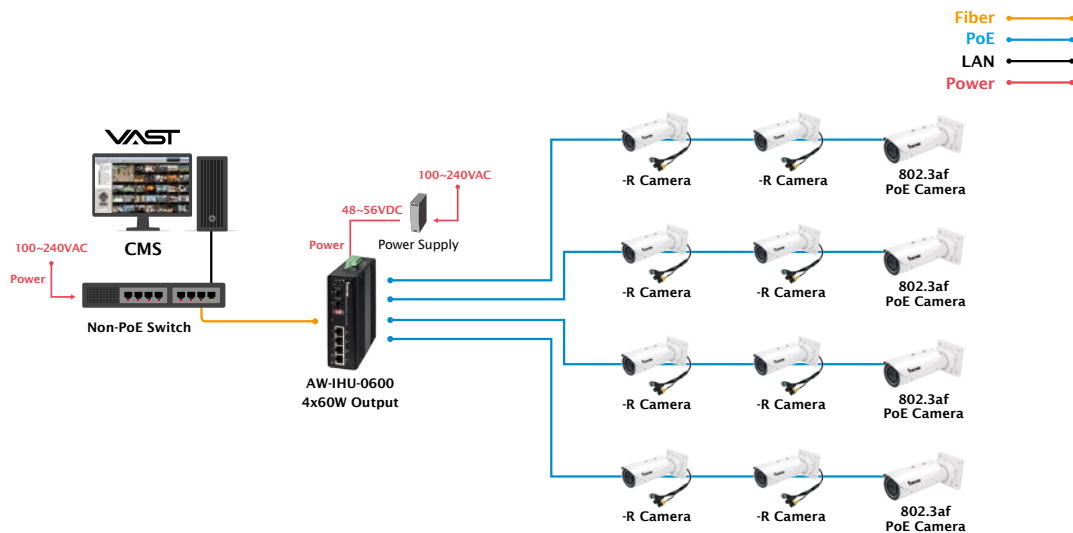
Daisy-Chain PoE Network Camera



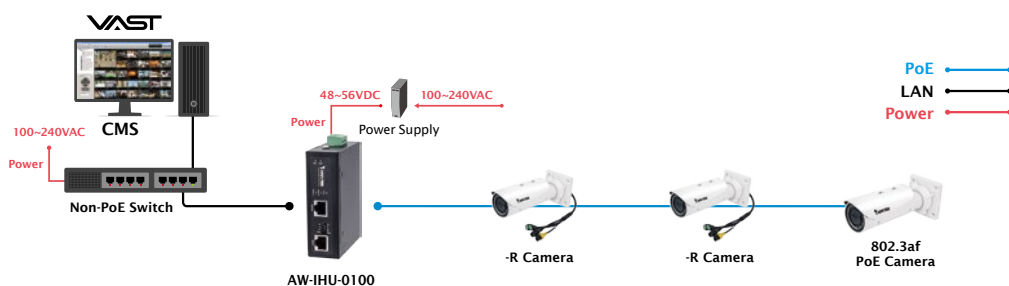
VIVOTEK has innovatively designed a series of daisy-chain PoE network cameras, which enable a surveillance system to be extended to up to 300 meters without the need for additional power supplies. The uniquely-designed network cameras allow for both PoE input and output and direct connection with other PoE network cameras without an additional power source, thereby facilitating long-distance surveillance system implementation in factory areas, parking lots, crossroads, and outdoor sidewalks.

• Application





Industrial UPoE Switch + Dasiy-Chain PoE Cameras



Industrial UPoE Injector + Dasiy-Chain PoE Cameras



• Specifications

	1 Megapixel	2 Megapixel	2 Megapixel	3 Megapixel
				
Model Name	IB8338-HR	IB8367-R	IB8367-RT	IB9371-HRT
Summary	1MP, 30fps, H.264/MJPEG, WDR Pro, P-iris, Daisy-Chain PoE	2MP, 30fps, H.264/MJPEG, P-iris, SNV*, Daisy-Chain PoE	2MP, 30fps, H.264/MJPEG, P-iris, SNV*, Remote Focus, Daisy-Chain PoE	3MP, 30fps, H.265/H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II, Daisy-Chain PoE
Sensor Type	1/3" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" progressive CMOS
Lens Type	Vari-focal	Vari-focal	Remote Focus	Vari-focal Remote Focus
F-number	F1.8 ~ F2.85	F1.8 ~ F2.85	F1.8 ~ F2.85	F1.2 ~ F2.3
Focal Length	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm	f = 3 ~ 9 mm
Field of View	33° ~ 87° (H) 21° ~ 54° (V)	32° ~ 101° (H) 17° ~ 55° (V)	32° ~ 101° (H) 17° ~ 55° (V)	39° ~ 82° (H) 29° ~ 60° (V)
Auto-iris	P-iris	P-iris	P-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*6	30 m, IR LED*6	30 m, IR LED*6	30 m, IR LED*8
Min. Illumination	0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Max. Video Resolution	1280x800 (1MP)	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3MP)
Frames per Second	30 fps @ 1280x800	30 fps @ 1920x1080	30 fps @ 1920x1080	H.265 & H.264: 30 fps@ 2048x1536 MJPEG: 15 fps@ 2048x1536
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	3 Streams	3 Streams	3 Streams	3 Streams
WDR Technology*	WDR Pro	WDR Enhanced	WDR Enhanced	WDR Pro
3DNR	Yes	Yes	Yes	Yes
Standard VCA	-	-	-	Yes**
Power Input	PoE, PoE Plus, UPoE	PoE, PoE Plus, UPoE	PoE, PoE Plus, UPoE	PoE, PoE Plus, UPoE
Power Consumption	Max. 10 W	Max. 10 W	Max: 12.6 W	Max: 12.95 W
Power Output	PoE, PoE Plus	PoE, PoE Plus	PoE, PoE Plus	PoE, PoE Plus
Digital Input / Output	1/1	1/1	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S	Profile S	Profile S	Profile S/G
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC card slot
Housing	IP66	IP66	IP66	IP66, IK10 (Metal housing)
Dimensions	Ø 82 x 283 mm	Ø 82 x 283 mm	Ø 82 x 283 mm	Ø 88 x 293 mm
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)

* WDR Enhanced: Achieved with tone mapping technology, which reduced the dynamic range of an entire image with retaining contrast.

* WDR Pro: Captures 2 to 3 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Enhanced.

* SNV: Supreme Night Visibility, by professionally integrating superior optical components and sophisticated video algorithms, SNV cameras present Supreme Night Visibility in low light conditions.

** VIVOTEK's Standard VCA (Video Content Analysis) will be available by request on a per project basis.

• Specifications

5 Megapixel



Model Name	IB8382-RT	IB8382-RF3	IB9381-HRT
Summary	5MP, 15fps, H.264/MJPEG, P-irs, Remote Focus, 3DNR, SNV*, Daisy-Chain PoE	5MP, 15fps, H.264/MJPEG, SNV*, 3DNR, Daisy-Chain PoE	5MP, 30fps, H.265H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II, Daisy-Chain PoE
Sensor Type	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/1.8" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Fixed-focal	Vari-focal Remote Focus
F-number	F1.2 ~ F2.3	F2.1	F1.3 ~ F2.2
Focal Length	f = 3 ~ 9 mm	f = 3.6 mm	f = 4 ~ 9 mm
Field of View	35' ~ 78' (H) 27' ~ 54' (V)	68' (H) 51' (V)	45' ~ 84' (H) 34' ~ 62' (V)
Auto-iris	P-iris	-	P-iris
Day/Night	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8
Min. Illumination	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.089 Lux @ F2.1 (Color) 0.001 Lux @ F2.1 (B/W)	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)
Frames per Second	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	H.265 & H.264: 30 fps @ 2560x1920, 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920, 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	WDR Pro
3DNR	Yes	Yes	Yes
Standard VCA	Yes**	Yes**	Yes**
Power Input	PoE, PoE Plus, UPoE	PoE, PoE Plus, UPoE	PoE, PoE Plus, UPoE
Power Consumption	Max: 12.95 W	Max: 12.95 W	Max: 12.95 W
Power Output	PoE, PoE Plus	PoE, PoE Plus	PoE, PoE Plus
Digital Input / Output	1/1	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S/G	Profile S/G	Profile S/G
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)
Dimensions	Ø 88 x 293 mm	Ø 88 x 293 mm	Ø 88 x 293 mm
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)

Accessory

Cabinet Solution



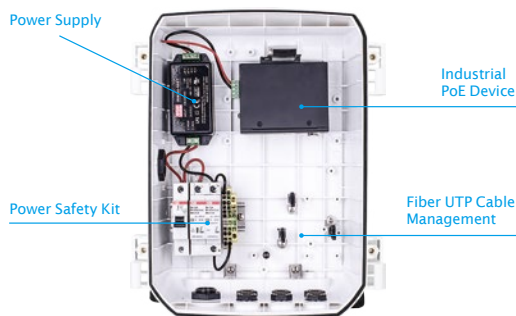
AT-CAB-001



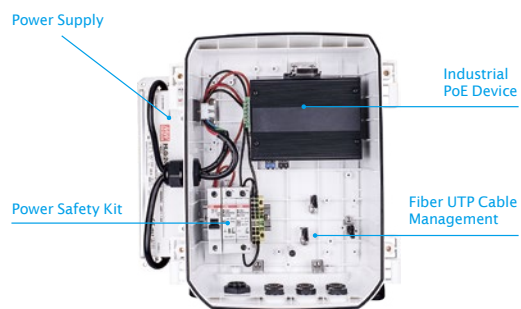
AT-CAS-001

VIVOTEK's AT-CAB-001 and AT-CAS-001 are complete and outdoor-ready surveillance cabinet solutions, built to provide easier installation for any application of VIVOTEK's full range of network cameras, including speed domes, bullets, and fixed dome network cameras as well as for VIVOTEK's outdoor camera enclosures.

In order to cover a wide range of surveillance projects, users can choose from a cabinet only or all the way up to a complete cabinet with power supply, industrial PoE device, fiber media converter, and surge protection kit. VIVOTEK's AT-CAB-001 and AT-CAS-001 therefore provide both a flexible and turnkey solution for any surveillance scenario. Additionally, by equipping VIVOTEK's AT-CAB-001 and AT-CAS-001 with weather-proof IP66-rated and vandal-proof IK10-rated housing, VIVOTEK ensures full protection against both harsh environments and acts of vandalism. This extra protection makes this series the perfect choice for any exposed outdoor application, such as city surveillance.



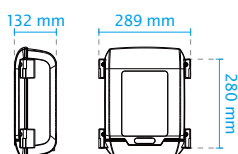
AT-CAB-001/AT-CAS-001



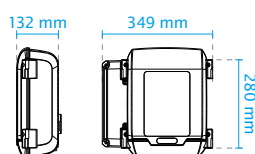
AT-CAB-001/AT-CAS-001+AT-CAB-002

• Dimensions

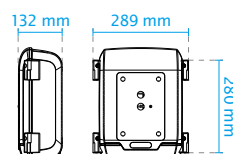
· AT-CAB-001



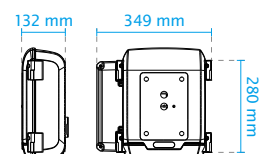
· AT-CAB-001+AT-CAB-002



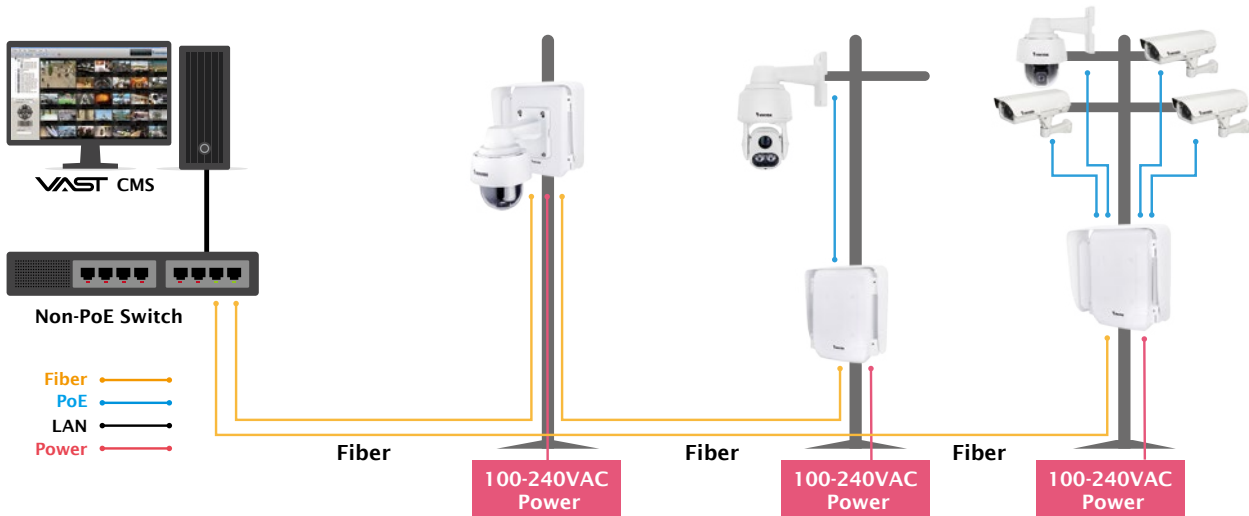
· AT-CAS-001



· AT-CAS-001+AT-CAB-002



• Application



Compatible Camera List	All VIVOTEK network cameras	Humidity	90%
Housing	Weather-proof IP66-rated housing Vandal-proof IK10-rated housing	Weight	3.5 kg
Operating Temperature	-40 °C to 75 °C (-40 °F to 167 °F)	Included Accessories	Quick installation guide, accessories pack, stainless steel wall-mount bracket

Cabinet Accessories List



AT-CAB-001
Cabinet



AT-CAS-001
Cabinet for VIVOTEK Speed Dome Cameras



AT-CAB-002
Side-Mount Bracket for HLG Series Power Supply



AT-SUN-001
Sunshield for AT-CAx Series Cabinet



AT-SUN-002
Sunshield for AT-CAx + AT-CAB-002 Cabinet



AT-SWH-001
Power Safety Kit



AT-SWH-002
Door Open/Close Detection Switch



AT-PSP-001
PoE Surge Protector



AT-WPC-001
M16 Cable Gland for 4~7mm AWG



AT-WPC-002
M16 Cable Gland for Corrugated Tubing: 5/16"

PoE Enclosure

PoE Enclosure



AE-241

Camera Enclosure with Internal IR, PoE Input, IP66, IK10, -20°C~50°C



AE-242

Camera Enclosure with Internal IR, double heater, UPoE Input, IP66, IK10, -40°C~50°C

IR Illuminator

IR Illuminator



AI-104-010

IR illuminators, distance 100M, IP66, IK10



AI-104-025

IR illuminators, distance 50M, IP66, IK10

IR Illuminator



AI-104-035

IR illuminators, distance 25M, IP66, IK10



AI-105-010

PoE IR illuminators, distance 100M, IP66, IK10



AI-105-025

PoE IR illuminators, distance 50M, IP66, IK10



AI-105-035

PoE IR illuminators, distance 25M, IP66, IK10

SFP Transceiver

SFP Transceiver



SFP-1000-MM85-X5

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



SFP-1000-MM13-02

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



SFP-1000-SM13-10

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



SFP-1000-SM13-40

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



SFP-1000-MM85-X5I

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



SFP-1000-MM13-02I

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



SFP-1000-MM13-10I

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



SFP-1000-MM13-40I

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

10G SFP + Transceiver



SFP-2000-MM85-X3

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



SFP-2000-SM13-10

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

Industrial Power Supply

Industrial Power Supply



MDR-10-12
Indoor Industrial Din Rail Power Supply,
12VDC/10W, -20°C ~ 70°C



NDR-75-48
Indoor Industrial Din Rail Power Supply,
48VDC/75W, -20°C ~ 70°C



NDR-120-48
Indoor Industrial Din Rail Power Supply,
48VDC/120W, -20°C ~ 70°C



NDR-240-48
Indoor Industrial Din Rail Power Supply,
48VDC/240W, -20°C ~ 70°C



HLG-80H-24
Outdoor Industrial Power Supply,
24VDC/80W, -40°C ~ 70°C, IP67



HLG-80H-48
Outdoor Industrial Power Supply,
48VDC/80W, -40°C ~ 70°C, IP67



HLG-80H-54
Outdoor Industrial Power Supply,
54VDC/80W, -40°C ~ 70°C, IP67



HLG-120H-48
Outdoor Industrial Power Supply,
48VDC/120W, -40°C ~ 70°C, IP67



HLG-120H-54
Outdoor Industrial Power Supply, 54VDC/120W,
-40°C ~ 70°C, IP67



HLG-240H-54
Outdoor Industrial Power Supply, 54VDC/240W,
-40°C ~ 70°C, IP67



IRM-60-12ST
Indoor Industrial Power Supply, 12VDC/60W,
-30°C ~ 70°C



IRM-60-48ST
Indoor Industrial Power Supply, 48VDC/60W,
-30°C ~ 70°C



www.vivotek.com

All specifications are subject to change without notice.
© VIVOTEK INC. All rights reserved.

VIVOTEK INC.

6F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, 23553 Taiwan
| T: +886 2 8245 5282 | F: +886 2 8245 5532 | E: sales@vivotek.com

VIVOTEK USA

2050 Ringwood Avenue, San Jose, CA 95131
| T: +1 408-773-8686 | F: +1 408-773-8298 | E: salesusa@vivotek.com

VIVOTEK Europe

Plandstad 22-133, 1316BW Almere, The Netherlands
| T: +31(0)36-5298-434 | E: saleseurope@vivotek.com

VIVOTEK India

602, Best Sky Tower, Plot No. F-5, Netaji Subhash Place, Pitam Pura,
Delhi - 110 034
| T: +91-45137465 | E: salesindia@vivotek.com

VIVOTEK Middle East

Room 1802, P.O.Box: 61053, Jafza ONE, Jebel Ali free zone, Dubai, UAE
| T: +971-4-8815333 | F: +971-4-8815205 | E: salesme@vivotek.com

VIVOTEK México

Ejército Nacional NI 418 Piso 7, Oficina 711 Col. Polanco V Sección,
Delegación Miguel Hidalgo México, D.F.
| T: + 52 55 1101 1793 | E: salesmexico@vivotek.com