

AW-GEV Series

VivoCam Layer 2 Managed PoE Switch



Managing IP Surveillance · Managed L2 Gigabit 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 and CMS. With single AW-GEV series, the VivoCam PoE switch allows users to find all VIVOTEK devices and deploy a surveillance network system automatically.

The AW-GEV series also features Graphic Monitoring, such as Topology/Map view for controlling and understanding network structure and device situation, and Google Map integration to view system situation status for outdoor applications. It not only features surveillance network environment set up functions, but troubleshooting and traffic monitoring functions also help users to clarify and troubleshoot any connection or device issue. In addition, users can also back up their IP camera configuration files, and batch re-boot/re-store camera device through the VivoCam PoE switch. With all of these features and more, the AW-GEV series is the best PoE solution to install and manage your VIVOTEK devices.

Feature

Managing IP Surveillance

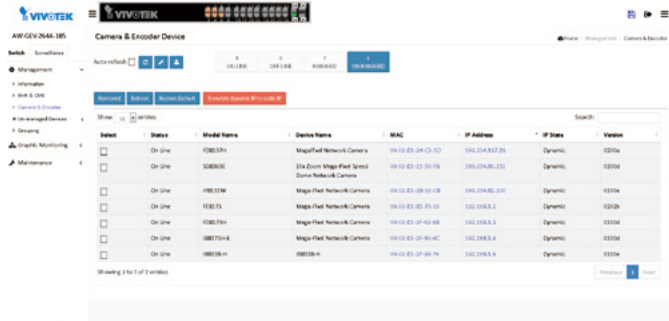
- Auto Search for all VIVOTEK IP Cameras, Video Server, NVR and VAST
- Surveillance Topology/Floor/Google Map View
- Batch F/W Upgrade
- Easy Grouping, VLAN Setup & QoS
- Traffic Monitor & Trouble Shooting
- PoE Status

Managed L2 PoE Switch

- Supports DHCP Server
- Supports IPv4 Static Routing
- Supports Loop Detection for Maintenance
- Supports 802.1d (STP), 802.1w (RSTP) and 802.1s (MSTP)
- Supports LACP and Static Link Aggregation
- Supports SNMP v1/v2c/v3 for Management
- PoE Management

Auto Discovery

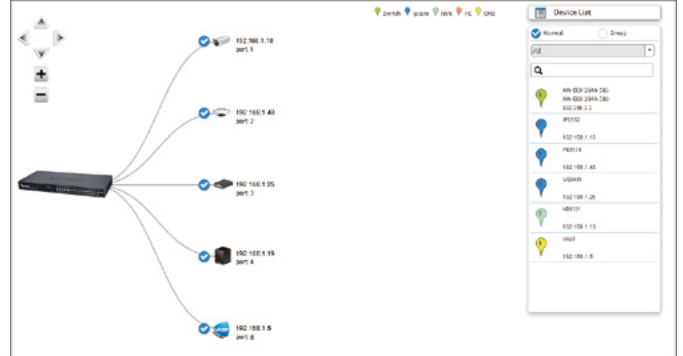
AW-GEV series can automatically discover any VIVOTEK's devices such as network cameras, video servers and NVR with a simple click of mouse.



E-map

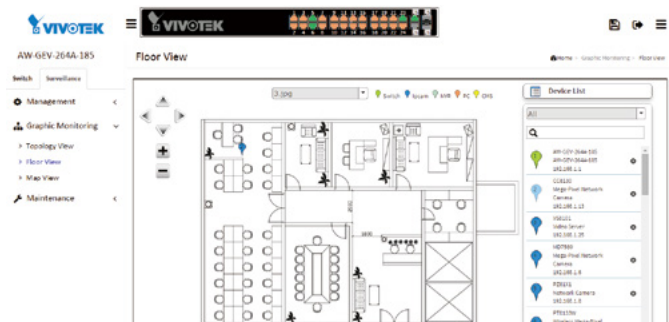
Topology View

Topology view allows administrators to quickly see the whole network topology at real time for easier planning and examination.



Floor View

Upload custom floor images. Floor view allows for quickly locating deployed surveillance devices.



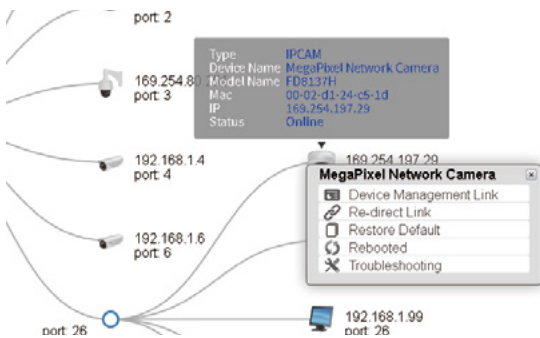
Google Map

Locate surveillance devices on Google map to simplify multi-site management of any large scale deployments.



Device Management

Easy install, configure, manage and monitor all surveillance devices in one network.



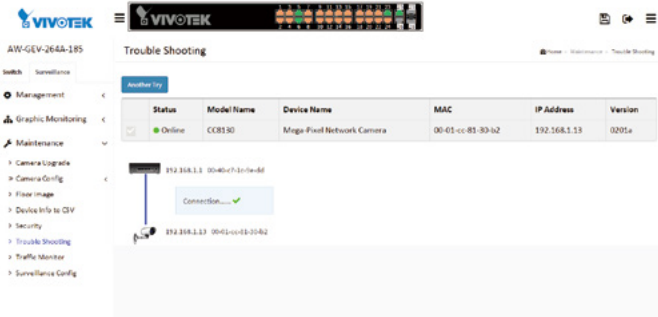
Traffic Monitor

Auto-generated comprehensive chart to show port-by-port network traffic status.



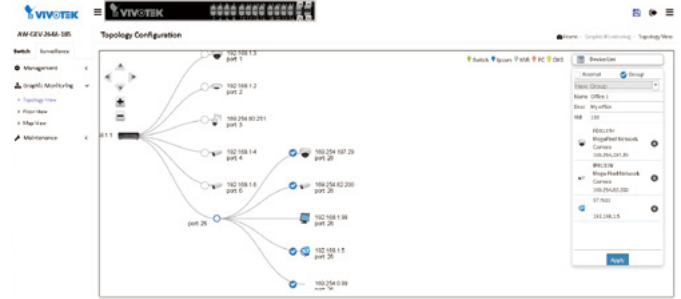
Trouble Shooting

Trouble shooting page to show the real-time verification result of each connection between switch port and surveillance device.



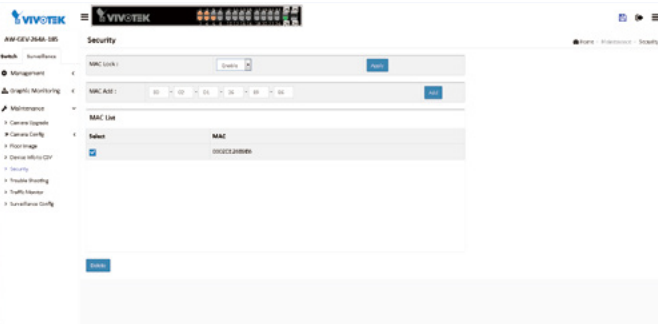
VLAN Setting

Hierarchical topology view allows administrators to easily build a VLAN.



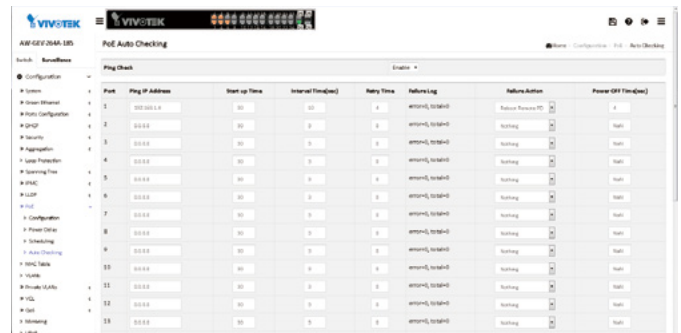
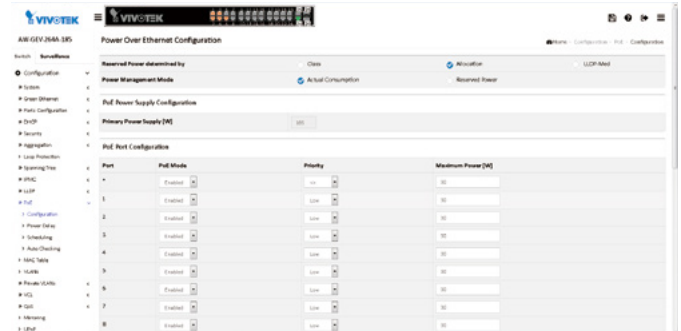
Port Security by Specific MAC

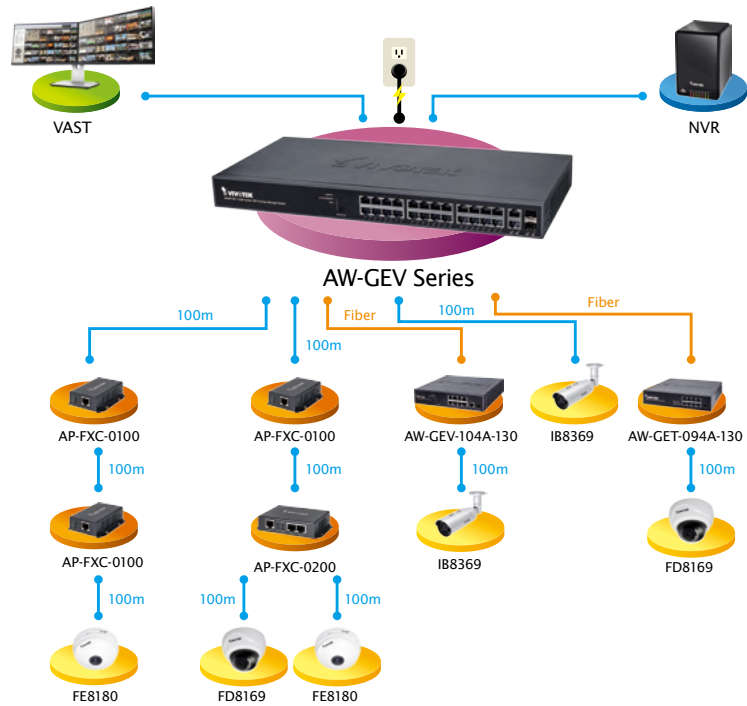
Enable MAC lock function to prevent unwanted connection from unknown devices.



PoE Management

- Port configuration
- On/off schedule
- Camera alive checking
- Time-delayed power transmission

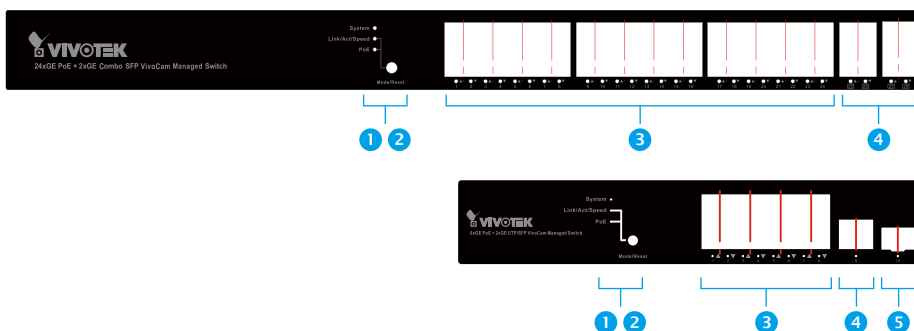




Ordering Information

Model Name	Product Description
VivoCam PoE Switch	
AW-GEV-104A-130	VivoCam 8xGE PoE + 2xGE UTP/SFP L2 Managed Switch, 130W
AW-GEV-264A-185	VivoCam 24xGE PoE + 2xCombo GE L2 Managed Switch, 185W
AW-GEV-264A-370	VivoCam 24xGE PoE + 2xCombo GE L2 Managed Switch, 370W
Web Smart PoE Switch	
AW-GET-094A-130	Web Smart 8xGE PoE +1xGE SFP Switch, 130W
PoE Extender	
AP-FXC-0100	1-Port Indoor FE PoE Extender
AP-FXC-0200	2-Port Indoor FE PoE Extender
IP Surveillance Device	
Network Camera	All VIVOTEK Network Cameras
Video Server	All VIVOTEK Video Servers
NVR	All VIVOTEK NVRs
CMS	VAST

AW-GEV-264A Series Front View



- 1 LED Indicators
- 2 Mode Selector & Reset Button
- 3 PoE RJ45 Ethernet Ports x24
- 4 Combo Gigabit Ethernet Ports x2

- 1 LED Indicators
- 2 Mode Selector & Reset Button
- 3 PoE RJ45 Ethernet Ports x8
- 4 Gigabit RJ45 Ethernet Port x1
- 5 Gigabit SFP Ethernet Port x1

Technical Specifications

Model	AW-GEV-104A-130	AW-GEV-264A-185	AW-GEV-264A-370
Product Description	VivoCam 8xGE PoE + 2x GE UTP/SFP L2 Managed Switch	VivoCam 24xGE PoE + 2x Combo GE L2 Managed Switch	VivoCam 24xGE PoE + 2x Combo GE L2 Managed Switch
Managing IP Surveillance Functions			
Management			
Auto Search VIVOTEK Device	up to 64 pcs	up to 64 pcs	up to 64 pcs
Surveillance Device Management List	V	V	V
DHCP Server Function	V	V	V
VIVOTEK Device Account/Password Setting	V	V	V
VIVOTEK Device Static IP Setting	V	V	V
VIVOTEK Device Grouping Setting for VLAN	V	V	V
VIVOTEK Device Name Edit	V	V	V
VIVOTEK Camera/Video Server Reboot/Restore Default	V	V	V
VIVOTEK Device Re-direct Link	V	V	V
VIVOTEK Device On/Off Line Status	V	V	V
E-Map View			
Topology View	V	V	V
Floor View	V	V	V
Google Map View	V	V	V
Maintenance			
VIVOTEK Camera/Video Server Batch SW Upgrade	V	V	V
VIVOTEK Camera/Video Server Configuration File Export/Import	V	V	V
VIVOTEK Cameras/Video Server Configuration File Management	V	V	V
Floor Image Management	V	V	V
Export Surveillance Management Device List	V	V	V
Security	V	V	V
Trouble Shooting	V	V	V
Traffic Monitoring	V	V	V
Managed L2 PoE Switch Functions			
Port Configuration			
10M/100M/1G RJ45 Port	9	24	24
100M/1G SFP Port	1	-	-
GbE RJ45/SFP Combo Port	-	2	2
Total Ports	10	26	26
HW Performance			
Switching Bandwidth	20Gbps	52Gbps	52Gbps
MAC Address	8K	8K	8K
Jumbo Frames	9216 Bytes	9216 Bytes	9216 Bytes
L2 Switching			
Spanning Tree	IEEE802.1D (STP)	V	V
	IEEE802.1w (RSTP)	V	V
	IEEE802.1s (MSTP)	V	V
VLAN	802.1Q VLAN	V	V
	SVL/ IVL	V	V
	Private VLAN	V	V
	Guest VLAN	V	V
	Q-in-Q (Double Tag)	V	V
	802.1v Protocol VLAN	V	V
	MAC-based VLAN	V	V
	IP Subnet-based VLAN	V	V
Port Grouping	IEEE 802.3ad with LACP (Dynamic)	V	V
	Static Trunk	V	V
IGMP Snooping (v1/v2/v3)	V	V	V
Loop Detection	V	V	V

Technical Specifications

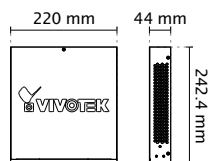
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L3 Features				
IP Host Table		V	V	V
Static Route		V	V	V
Static ARP		V	V	V
DHCP Server		V	V	V
QoS Features				
Hardware Queues		8	8	8
Class Of Service	Port Based	V	V	V
	802.1p	V	V	V
	ToS	V	V	V
	DSCP	V	V	V
	TCP/UDP (IPv4/IPv6)	V	V	V
Rate Limiting	Ingress	V	V	V
	Egress	V	V	V
Priority Queue Scheduling	WRR	V	V	V
	Strict Priority	V	V	V
IPv4 QoS (QCEs)		V	V	V
IPv6 QoS (QCEs)		V	V	V
Security				
Port Security (MAC-based)		V	V	V
IEEE802.1x		V	V	V
ACLs	L2/L3/L4	V	V	V
	IPv6 Support	V	V	V
IP Source Guard (IP-MAC-Port Binding)		V	V	V
Storm Control		V	V	V
RADIUS Authentication (RFC2138)		V	V	V
DDoS Prevention		V	V	V
Layer 3 Isolation (Allow /disallow routing between IP Subnets)		V	V	V
HTTPs and SSL (Secured Web)		V	V	V
SSH v1.5/v2.0 (Secured Telnet Session)		V	V	V
BPDU Guard		V	V	V
STP Root Guard		V	V	V
DHCP Snooping		V	V	V
Management				
SNMP (v1, v2c, v3)		V	V	V
RMON (1,2,3 & 9 groups)		V	V	V
Software Upgrade		V	V	V
Configuration Export/Import		V	V	V
DHCP	Client	V	V	V
	Option 66	V	V	V
	Option 67	V	V	V
Event/Error Log	Syslog	V	V	V
Management Access Filtering	SNMP	V	V	V
	Web	V	V	V
	Telnet	V	V	V
Port Mirroring		V	V	V
MLD Snooping		V	V	V
LLDP (IEEE802.1AB)		V	V	V
LLDP-MED		V	V	V
CDP		V	V	V
NTP/ SNTP (RFC2030)		V	V	V
IPv6 Support				
Dual IPv6/IPv4 stack		V	V	V

Technical Specifications

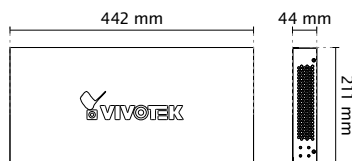
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IPv6 Web/SSL	V	V	V
IPv6 SNTP (Simple Network Time Protocol)	V	V	V
IPv6 Telnet Server/ SSH	V	V	V
IPv6 Ping Trace Route	V	V	V
IPv6 TFTP	V	V	V
IPv6 RADIUS	V	V	V
IPv6 Syslog	V	V	V
IPv6 DNS Client	V	V	V
IPv6 Protocol-based VLANs	V	V	V
IPv6 SNMP	V	V	V
PoE Management			
ON/OFF Config	V	V	V
Alive Checking for PD	V	V	V
Power Delay	V	V	V
7/24 On/Off Scheduling	V	V	V
PoE Function			
Number of PoE Out Ports	8	24	24
Max. PoE Output Power/per Port	30W	30W	30W
802.3at/af standard Compatible	V	V	V
Over Current Protection	V	V	V
Circuit Shorting Protection	V	V	V
Total PoE Power Budget	130W	185W	370W
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE PD Auto Detection	V	V	V
Environmental Specifications			
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)
Operating Humidity	10 ~ 90% RH	10 ~ 90% RH	10 ~ 90% RH
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)	-20°C ~ 70°C (-4°F ~ 158°F)	-20°C ~ 70°C (-4°F ~ 158°F)
Storage Humidity	10 ~ 90% RH	10 ~ 90% RH	10 ~ 90% RH
Mechanical Specifications			
Dimensions	44 (H) x 220 (W) x 242.4 (D) mm	44 (H) x 442 (W) x 211 (D) mm	44 (H) x 442 (W) x 211 (D) mm
Weight	2 kg	3.1 kg	3.5 kg
Power Source			
AC input	100V-240V	100V-240V	100V-240V
Certifications			
Certifications	CE, FCC, LVD, VCCI, C-TICK	CE, FCC, LVD, VCCI, C-TICK	CE, FCC, LVD, VCCI, C-TICK
Accessories			
Optional Accessories	SFP Transceiver SFP-1000-MM85-X5: MMF, 0.5 km, 0°C ~ 70°C SFP-1000-MM13-02: MMF, 2 km, 0°C ~ 70°C SFP-1000-SM13-10: SMF, 10 km, 0°C ~ 70°C SFP-1000-SM13-40: SMF, 40 km, 0°C ~ 70°C		

Dimensions

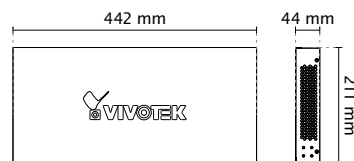
• AW-GEV-104A-130



• AW-GEV-264A-185



• AW-GEV-264A-370



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Ver. 5



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