

## IP Camera Controller Features

### Device List

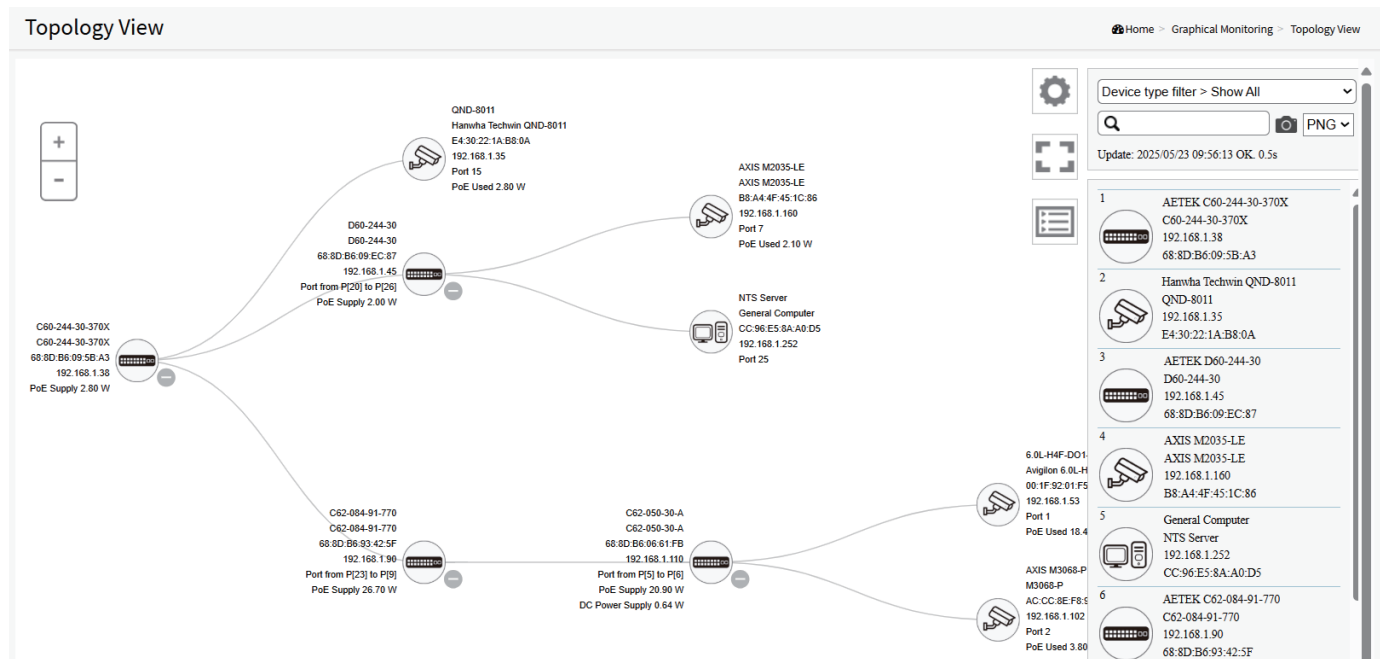
Home > Management > Device List

Auto Refresh  Refresh Edit

Show  entries Search:

Status	Device Type	Model Name	Device Name	MAC	IP Address
Online	PoE Switches	C62-084-91-770	C62-084-91-770	68:8D:B6:93:42:5F	192.168.1.90
Online	PoE Switches	D62-040-30	D62-040-30	68:8D:B6:65:43:21	192.168.1.63
Offline	IP Cameras	QND-8011	QND-8011	E4:30:22:1A:B8:0A	192.168.1.35
Online	PoE Switches	C62-050-30-A	C62-050-30-A	68:8D:B6:06:61:FB	192.168.1.110
Online	IP Cameras	6.0L-H4F-DO1-IR	6.0L-H4F-DO1-IR(128404)	00:1F:92:01:F5:94	192.168.1.53
Online	IP Cameras	M3068-P	AXIS M3068-P	AC:CC:8E:F8:97:47	192.168.1.102
Online	PoE Switches	C60-244-30-370X	C60-244-30-370X	68:8D:B6:09:5B:A3	192.168.1.38
Online	PoE Switches	D60-244-30	D60-244-30	68:8D:B6:09:EC:87	192.168.1.45
Online	IP Cameras	M2035-LE	AXIS M2035-LE	B8:A4:4F:45:1C:86	192.168.1.160
Online	Modular Surge Protectors	SD-504	SD-504	68:8D:B6:00:00:10	169.254.82.68

### Topology View



### Device Dashboard

The Device Dashboard interface displays a network diagram with several nodes. A central window provides detailed information for an IP Camera:

- Device Type:** IP Cameras
- Device Name:** AXIS M2035-LE
- Model Name:** M2035-LE
- MAC Address:** B8:A4:4F:45:1C:86
- IP Address:** 192.168.1.160
- Http Port:** 80
- PoE Used:** 1.9 W
- WAN Address:** [Empty]
- WAN Port:** [Empty]

Additional features include 'Close' and 'Apply' buttons, and icons for 'Login', 'Diagnostics', and 'PoE Reboot'. At the bottom, there are icons for 'Dashboard', 'Notification', and 'Monitor'. The background network diagram shows various devices like 'D60-244-30', 'C60-244-30-370X', and 'NTS Server' with their respective IP addresses and PoE supply details.

### Floor Map View

The Floor Map View interface shows a detailed floor plan with numbered rooms. A 'Diagnostics' window is open, displaying information for a PoE Switch:

- Device Type:** PoE Switches
- Device Name:** C60-244-30-370X
- Model Name:** C60-244-30-370X
- MAC Address:** 68:8D:B6:09:5B:A3
- IP Address:** 192.168.1.38
- PoE Supply:** 2.8 W

The diagnostics window also shows a table of port status:

Icon	Diagnostic	Speed	Connection	ok
1	AETEK C62-084-91-770 C62-084-91-770 192.168.1.90 68:8D:B6:93:42:5F	Port 9	6.00(m/s)	✓ Connection ok ✓ Cable Status ok
6	AETEK C60-244-30-370X C60-244-30-370X 192.168.1.38 68:8D:B6:09:5B:A3			

The interface also includes a 'Device type filter' dropdown, a search bar, and a list of devices on the right side.

### Google Map View

The Google Map View interface displays a street map with various locations marked. A 'Device Dashboard' window is open, showing details for a PoE Switch:

- Device Type:** PoE Switches
- Device Name:** H60-8p @ 203 name
- Model Name:** H60-084-30-250
- MAC Address:** 68:8D:B6:00:CB:00
- IP Address:** 192.168.10.203
- Http Port:** 80
- PoE Supply:** 2.54 W
- API Account:** admin203
- API Password:** passwd203

The dashboard window includes 'Close' and 'Apply' buttons, and icons for 'Upgrade' and 'PoE Config'. At the bottom, there are icons for 'Dashboard' and 'Notification'. The background map shows a city area with streets like 'Wallabout Bay' and 'Division Ave'.

# Cable Diagnostics

Topology View Home > Graphical Monitoring > Topology View

**Diagnostics** ✕

<b>Device Type</b>	IP Cameras
<b>Device Name</b>	AXIS M2035-LE
<b>Model Name</b>	M2035-LE
<b>MAC Address</b>	B8:A4:4F:45:1C:86
<b>IP Address</b>	192.168.1.160

Icon	Diagnostic
1	AETEK C60-244-30-370X C60-244-30-370X 192.168.1.38 68:8D:B6:09:5B:A3 Port: 20 <span style="color: green;">✔</span> Connection <span style="color: green;">ok</span> Speed: 1G 0.00(m) <span style="color: green;">✔</span> Cable Status <span style="color: green;">ok</span>
3	AETEK D60-244-30 D60-244-30 192.168.1.45 68:8D:B6:09:EC:87 Port: 7 <span style="color: green;">✔</span> Connection <span style="color: green;">ok</span> Speed: 100M 0.00(m) <span style="color: green;">✔</span> Cable Status <span style="color: green;">ok</span>
4	AXIS M2035-LE AXIS M2035-LE 192.168.1.160

## Technical Specifications - Software

IP Surveillance Graphical User Interface Specifications	
Auto Discovery	Discover IP cameras complying ONVIF automatically
Topology View	Generate Topology maps to manage IP cameras
Traffic Monitor	Comprehensive chart to show traffic status
Cable Diagnostic	Real time to verify the cable status
PoE Management	Reboot IP camera, alive checking, PoE configuration, PoE status, Link status, Power on/off PoE output by manually directly or interval with Power cycle configuration, PoE power output priority, PoE schedule, maximum PoE power output configurable.
Layer 2 Switching Specifications	
Spanning Tree Protocol (STP)	MAC Bridges Standard Spanning Tree 802.1d, Rapid Spanning Tree (RSTP) 802.1w, Multiple Spanning Tree (MSTP) 802.1s
IP/Mac Port Trunking	Link Aggregation Control Protocol (LACP) IEEE 802.3ad , Static aggregation.
VLAN	Supports up to 4K VLANs simultaneously (out of 4096 VLAN IDs), Port-based VLAN, 802.1Q tag-based VLAN, MAC-based VLAN, protocol-based VLAN and IP subnet-based VLAN
IGMP v1/v2 Snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters.
G.8032 Ring	
ERPS	ITU G.8032 ERPS (Ethernet Ring Protection Switching) support fast recovery time than spanning tree to enhance system reliability and uptime.
Layer 3 Switching Specifications	
DHCP Server	Assign IP to DHCP clients
Security	
Port Security	Locks MAC addresses to ports, and limits the number of learned MAC address
Storm Control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
Loop Protection	To prevent unknown unicast, broadcast and multicast loops in Layer 2 switching configurations.
Authentication Method	Support local, RADIUS, TACACS+ or none authentication method for HTTP, HTTPS, telnet and SSH
802.1X	By port to authorize user account and assign VLAN for end device
ACL (Access Control List)	Allow or deny to access specify IPv4 and specify MAC

## Technical Specifications - Software

QoS	
Classification	Port based, 802.1p VLAN priority based, DSCP, IP precedence, and 802.1p mapping/remarking, IP precedence mapping/remarking and DSCP mapping/remarking
Bandwidth Control	Ingress policer, Egress shaping and rate control, Per port
Management software	
Port Mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer
IEEE 802.1ab (LLDP)	Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network
Web GUI Interface	Built-in switch configuration utility for browser-based device configuration
SNMP	SNMP version1, 2c, 3 and trap
Flow Control	The IEEE 802.3x standard for monitoring high speed switched networks. It gives complete visibility into the use of networks enabling performance optimization, accounting/billing for usage, and defense against security threats
Firmware Upgrade	Web browser upgrade HTTP and TFTP
NTP	Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	System, HTTP, HTTPS, DHCP Client, Cable Diagnostics, Ping, Syslog, IPV4/IPV6 Management, SFP/SFP+ DDM (Digital Diagnostic Monitor), user privilege, SMTP notification

## Technical Specifications - Hardware

C60-244-30-370X	
Network	
Total Gigabit Ethernet Ports	24
Total 10G Ethernet Ports	4
Gigabit Ethernet 802.3af/at/bt PoE Ports	24 x 30W at PoE
10G Ethernet SFP+ Ports	4
Forwarding Capacity	95.232Mpps
Mac Table	16K
Jumbo Frames	12K Bytes
Switching Capacity	128 Gbps
Power	
Input Voltage	100~240VAC
Output Power per PoE Port	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W)
Output PoE Power Pin Assignment	12(+), 36(-)
System Power Consumption (without PoE)	12.5W
PoE Output Power Budget	370W
Mechanical	
Dimensions (W x D x H)	441 x 270 x 45 mm
Weight	4.1 kg (9.04 lb)
Console	RJ45
Reset Button	2~7 sec.: Restart 7~12 sec.: Restore default
Environmental	
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operating Humidity	10% ~ 90% non-condensing
Certifications	
EMC	CE, FCC
Safety	EN62368-1

## Optional Accessories

SFP+ Transceiver				
 <p><b>SFPP-SR-X3</b> 10G SFP+ Transceiver</p> <ul style="list-style-type: none"> <li>• MMF</li> <li>• 0.3 km</li> <li>• 0°C ~70°C</li> </ul>	 <p><b>SFPP-LR-10</b> 10G SFP+ Transceiver</p> <ul style="list-style-type: none"> <li>• SMF</li> <li>• 10 km</li> <li>• 0°C ~70°C</li> </ul>	 <p><b>SFPP-ER-40</b> 10G SFP+ Transceiver</p> <ul style="list-style-type: none"> <li>• SMF</li> <li>• 40 km</li> <li>• 0°C ~70°C</li> </ul>	 <p><b>SFPP-ZR-80</b> 10G SFP+ Transceiver</p> <ul style="list-style-type: none"> <li>• SMF</li> <li>• 80 km</li> <li>• 0°C ~70°C</li> </ul>	 <p><b>SFPP-TX-X03</b> 10G SFP+ Transceiver</p> <ul style="list-style-type: none"> <li>• RJ45</li> <li>• 30 m</li> <li>• 0°C ~70°C</li> </ul>