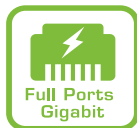


## H60-022-90-120-B

Outdoor IP67/IK10 L2 PRO 2-Port Gigabit  
bt/PoH PoE Switch for Avigilon & Hanwha & Axis  
PTZ / Multi-Sensor Cameras and Compatible Mounts



The AETEK H60-022-90-120-B is an all-in-one PoE solution designed for **Avigilon, Axis, and Hanwha PTZ and multi-sensor cameras**, with direct mounting support for Avigilon and adapter compatibility for Axis and Hanwha. It delivers up to 90W PoE output per port with a total PoE power budget of 120W, providing sufficient power for high-performance devices.

Equipped with two Gigabit bt/PoH PoE ports and two Gigabit SFP slots, this model supports flexible uplink options and daisy-chained deployments. Its customized front panel features precisely positioned mounting holes designed to fit **Avigilon wall mount** accessories, allowing direct camera installation without additional brackets. For Axis and Hanwha cameras, compatible adapters (**AT-401 set for Axis, AT-402 for Hanwha**) are available to seamlessly integrate their respective wall mount accessories.

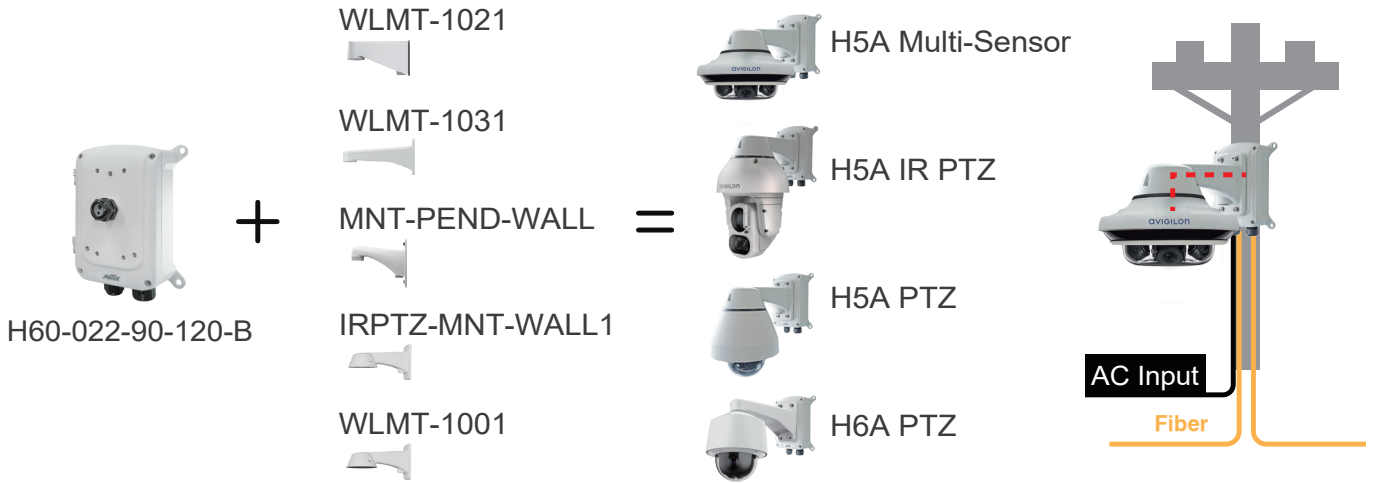
With a rugged IP67 and IK10-rated housing, the H60-022-90-120-B withstands harsh outdoor environments with operation temperatures ranging from -40°C to +65°C (-40°F to +149°F), making it a robust and integrated solution for outdoor surveillance networks.

Additionally, the switch features NTS (Network Topology System) — a web-based graphical user interface designed for IP surveillance. It enables automatic device discovery, real-time topology view, PoE reboot, cable diagnostics and more, streamlining network setup and maintenance.

### Features

- Compatible with Avigilon wall mount holes for direct PTZ and multi-sensor camera installation
- Compatible with Axis wall mount accessories via AT-401 adapter set (includes Recessed Adapter and Small Adapter) for PTZ and multi-sensor cameras
- Compatible with Hanwha wall mount accessories via AT-402 adapter for PTZ and multi-sensor cameras
- Delivers up to 90W IEEE 802.3bt/PoH PoE output per port
- Gigabit SFP ports for flexible uplink and daisy-chain networks
- Integrated NTS for real-time topology view, PoE reboot, and cable diagnostics
- Rugged aluminum enclosure with IP67 and IK10-rated protection
- Wide operating temperature: -40°C to +65°C (-40°F to +149°F)
- Built-in 6KV PoE surge protection and 10KV AC surge protection

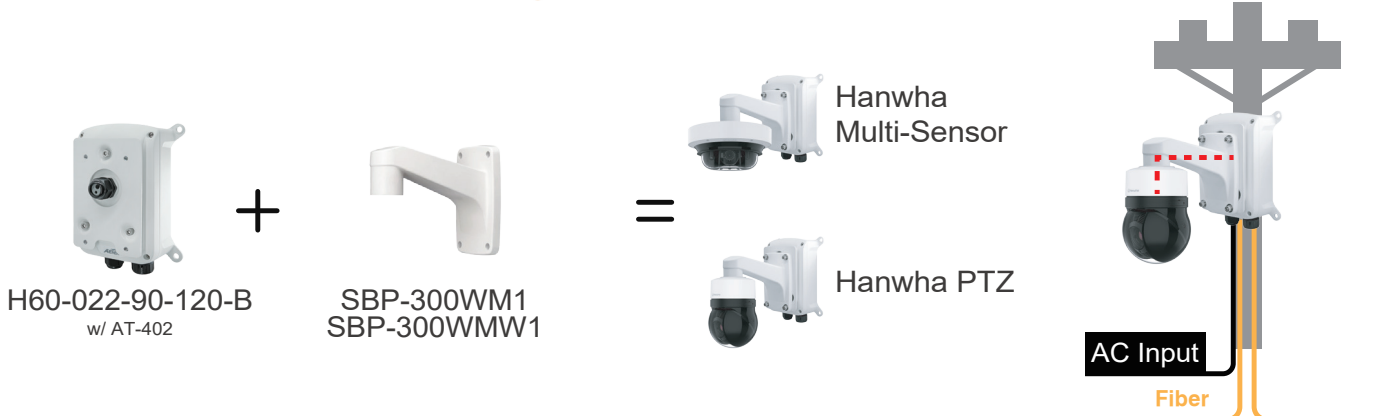
AVIGILON™



AXIS® COMMUNICATIONS



Hanwha Vision



# IP Camera Controller Features

## Device List

Show 10 entries Search:

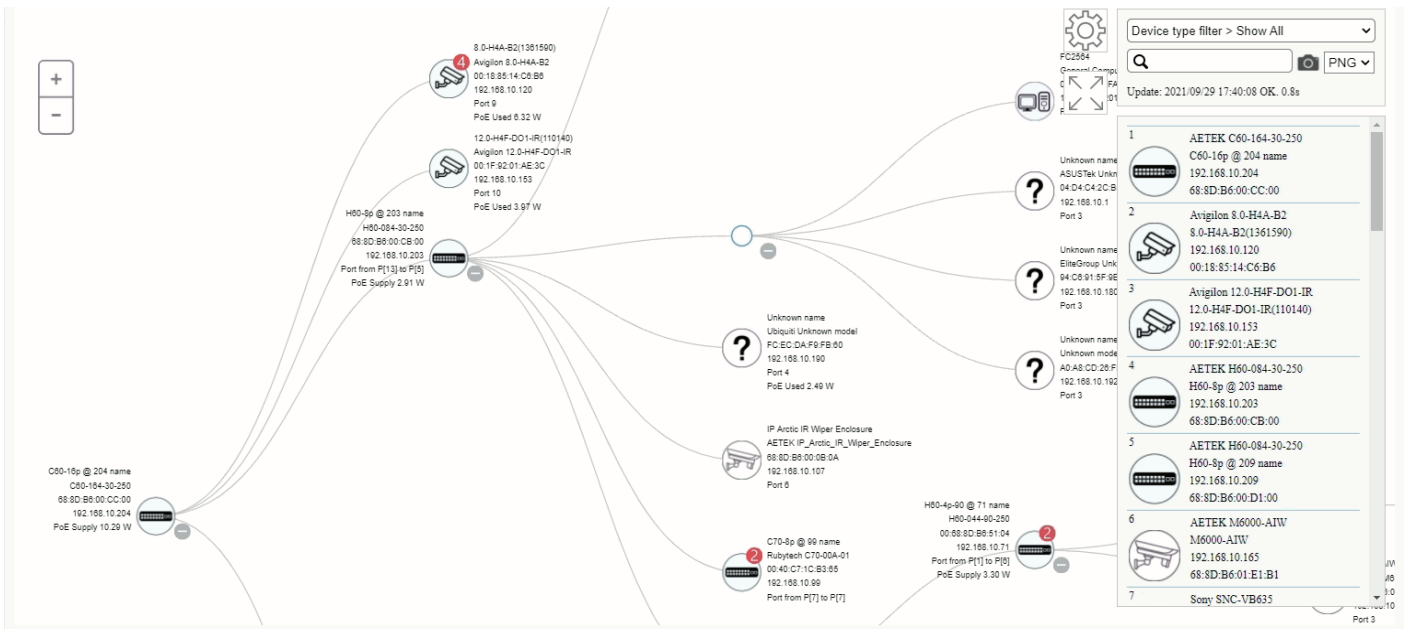
Status	Device Type	Model Name	Device Name	MAC	IP Address
Online	PoESW	H60-084-30-250	H60-8p @ 203 name	68:8D:B6:00:CB:00	192.168.10.203
Online	PoESW	H60-084-30-250	H60-8p @ 209 name	68:8D:B6:00:D1:00	192.168.10.209
Online	IPMX	M6000-AIW	M6000-AIW	68:8D:B6:01:E1:B1	192.168.10.165
Online	IP Camera	SNC-VB635	Sony	D8:D4:3C:DD:F5:C7	192.168.10.122
Online	IP Camera	WV-S1131	Panasonic_WV-S1131	BC:C3:42:71:79:D0	192.168.10.104
Online	IPSG	SD-504	SD-504	68:8D:B6:00:00:01	192.168.10.108
Online	PC	General Computer	FC2564	00:50:56:2D:FA:AC	192.168.10.201
Online	Others	Unknown model	Unknown name	04:D4:C4:2C:B5:EC	192.168.10.1
Online	Others	Unknown model	Unknown name	94:C6:91:5F:9E:EA	192.168.10.180
Online	PC	General Computer	MIS-TEMP-NB4	A0:A8:CD:26:FE:FD	192.168.10.192

Showing 1 to 10 of 29 entries

Previous 1 2 3 Next

[Edit](#)

## Topology View



## Device Dashboard

The device dashboard for the selected IP camera (12.0-H4F-DO1-IR(110140)) displays the following information:

- Device Type:** IP Cameras
- Device Name:** 12.0-H4F-DO1-IR(110140)
- Model Name:** 12.0-H4F-DO1-IR
- MAC Address:** 00:1F:92:01:AE:3C
- IP Address:** 192.168.10.153
- Http Port:** 80
- PoE Used:** 4.21 W

At the bottom of the dashboard, there are buttons for Login, Diagnostics, PoE Reboot, Dashboard, Notification, and Monitor.

## Floor Map View

**Device Dashboard**

Device Type: PoE Switches  
 Device Name: H60-4p-90 @ 73 name  
 Model Name: H60-044-90-250  
 MAC Address: 00:E0:4C:51:04:0A  
 IP Address: 192.168.10.73  
 Http Port: 80  
 PoE Supply: 0 W  
 API Account: admin73  
 API Password: passwd73

Buttons: Close, Apply, Login, Upgrade, PoE Config, Diagnostics, Dashboard, Notification

**Device List**

ID	Device Name	MAC Address	IP Address	Status
1	AETEK C60-164-30-250 C60-16p @ 204 name	192.168.10.204	68:8D:B6:00:CC:00	✗
2	Avigilon 8.0-H4A-B2 8.0-H4A-B2(1361590)	192.168.10.120	00:18:85:14:C6:B6	✗
3	Avigilon 12.0-H4F-DO1-IR 12.0-H4F-DO1-IR(110140)	192.168.10.153	00:1F:92:01:AE:3C	✗
4	AETEK H60-084-30-250 H60-Sp @ 203 name	192.168.10.203	68:8D:B6:00:CB:00	✗
5	AETEK H60-084-30-250 H60-Sp @ 209 name	192.168.10.209	68:8D:B6:00:D1:00	✗
6	AETEK M6000-AIW M6000-AIW	192.168.10.165		✗

Update: 2021/09/29 17:44:22 OK. 0.7s

## Google Map View

**Device Dashboard**

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

Buttons: Close, Apply, Upgrade, PoE Config, Dashboard, Notification

**Device List**

ID	Device Name	MAC Address	IP Address	Status
1	AETEK C60-164-30-250 C60-16p @ 204 name	192.168.10.204	68:8D:B6:00:CC:00	✗
2	Avigilon 8.0-H4A-B2 8.0-H4A-B2(1361590)	192.168.10.120	00:18:85:14:C6:B6	✗
3	Avigilon 12.0-H4F-DO1-IR 12.0-H4F-DO1-IR(110140)	192.168.10.153	00:1F:92:01:AE:3C	✗
4	AETEK H60-084-30-250 H60-Sp @ 203 name	192.168.10.203	68:8D:B6:00:CB:00	✗
5	AETEK H60-084-30-250 H60-Sp @ 209 name	192.168.10.209	68:8D:B6:00:D1:00	✗
6	AETEK M6000-AIW M6000-AIW	192.168.10.165		✗

Update: 2021/09/29 17:48:45 OK. 1.4s

Buttons: Draggable: ONE, Animation: OFF

## Cable Diagnostics

**Diagnostics**

Device Type: IP Cameras  
 Device Name: 12.0-H4F-DO1-IR(110140)  
 Model Name: 12.0-H4F-DO1-IR  
 MAC Address: 00:1F:92:01:AE:3C  
 IP Address: 192.168.10.153

Icon	Diagnostic
1	AETEK C60-164-30-250 C60-16p @ 204 name 192.168.10.204 68:8D:B6:00:CC:00 Port: 10 <span>✓</span> Connection ok Speed: 100M <span>✓</span> Cable Status ok
3	Avigilon 12.0-H4F-DO1-IR 12.0-H4F-DO1-IR(110140) 192.168.10.153 00:1F:92:01:AE:3C

Buttons: Back

**Device List**

ID	Device Name	MAC Address	IP Address	Status
1	AETEK C60-164-30-250 C60-16p @ 204 name	192.168.10.204	68:8D:B6:00:CC:00	?
2	Avigilon 8.0-H4A-B2 8.0-H4A-B2(1361590)	192.168.10.120	00:18:85:14:C6:B6	?
3	Avigilon 12.0-H4F-DO1-IR 12.0-H4F-DO1-IR(110140)	192.168.10.153	00:1F:92:01:AE:3C	?
4	AETEK H60-084-30-250 H60-Sp @ 203 name	192.168.10.203	68:8D:B6:00:CB:00	?
5	AETEK H60-084-30-250 H60-Sp @ 209 name	192.168.10.209	68:8D:B6:00:D1:00	?
6	AETEK M6000-AIW M6000-AIW	192.168.10.165		?
7	Sony SNC-VB635			?

Update: 2021/09/29 17:40:48 OK. 0.7s

## PoE Features

- IEEE802.3at (PoE+ 30W),bt / PoH 90W
- Max. allowed 30W / 90W per port
- Port status table

PoE Port Configuration					
Local Port	PD Class	Power Used	Current Used	Priority	Port Status
1	-	0.00 [W]	0 [mA]	high	No PD detected
2	class 8	90.00 [W]	1700 [mA]	high	on
Total		90.00 [W]			

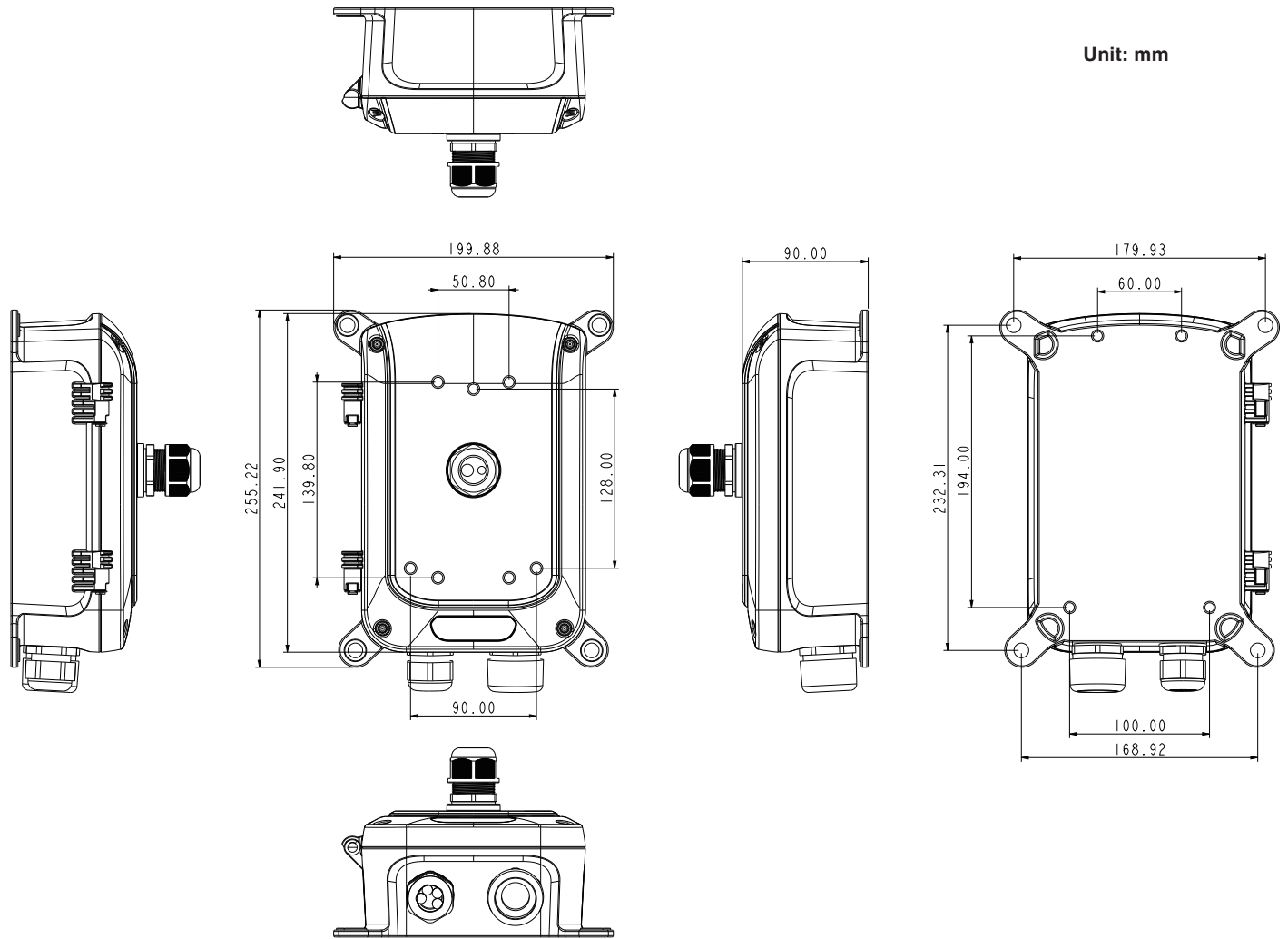
## Specifications - Software

PoE Management	
Port Configuration	Supports per port PoE configuration function
PoE Scheduling	Supports per port PoE scheduling to turn on/off the PoE devices (PDs).
Auto-checking	Check the link status of PDs. Reboot PDs if there is no responses
Power Delay	The switch provides power to the PDs based on delay time when PoE switch boots up, in order to protect switch from misuse of the PDs.
IP Surveillance Graphical User Interface Specifications	
Automatic Discovery	Discover IP cameras complying ONVIF automatically
Topology View	Generate Topology maps to manage IP cameras
Floor view	It's easy to drag and drop PoE devices and help you to build smart workforces
Map view	Enhance efficiency to drag and drop devices and monitor surroundings on google map
Traffic Monitoring	Comprehensive chart to show traffic status
PoE Management	Reboot IP camera, Scheduling PoE on/off, alive checking, Power delay as PoE switch boots up, PoE configuration
Layer 2 Switching Specifications	
Spanning Tree Protocol	MAC Bridges Standard Spanning Tree (STP) 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
IGMP v1/v2 Snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters.
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.
QoS	
Classification	Port based, 802.1p VLAN priority based
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
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, Syslog, IPV4/IPV6 Management, SSH, Telnet

## Specifications

H60-022-90-120-B	
<b>Networking</b>	
Total Gigabit Ethernet Ports	4
Gigabit Ethernet 802.3af/at/bt PoE Ports	2 x 90W bt/PoH PoE
Gigabit Ethernet SFP Ports (100M/1G)	2
Forwarding Capacity	5.952Mpps
Mac Table	8K
Jumbo Frames	9,216 Bytes
Switching Capacity	8 Gbps
<b>Power</b>	
Input Voltage	100~240VAC and 48-56VDC Backup Input Power
Output Power per PoE Port	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W) PoE++ IEEE 802.3bt/PoH (Max. 90W)
Output PoE Power Pin Assignment	12(-), 36(+), 45(+), 78(-)
System Power Consumption (without PoE)	10W
PoE Output Power Budget	120W
Surge Protection per PoE Port	6KV
Surge Protection for AC power	10KV
<b>Mechanical</b>	
Dimensions (W x D x H)	199.9 x 255.2 x 130 mm
Weight	3.2 kg (7.05 lb)
Console	RJ45
Reset Button	2~7 sec.: Reset 7~12 sec.: Restore default
<b>Environmental</b>	
IP Rating	IP67
IK Rating	IK10
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing
<b>Certifications</b>	
EMC	CE, FCC, VCCI, C-Tick Class A
Safety	EN62368-1
Surge	EN61000-4-5
<b>Others</b>	
Compatible Avigilon Mounts	IRPTZ-MNT-WALL1 MNT-PEND-WALL WLMT-1001 WLMT-1021 WLMT-1031
Compatible Hanwha Mounts	SBP-300WM1 SBP-300WMW1
Compatible Axis Mounts	T91E61 T91D61

## Dimension





## Optional Accessories

### SFP Modules

 <p><b>SFP-ISX-X5</b> Industrial Gigabit SFP Transceiver</p> <ul style="list-style-type: none"> <li>• MMF</li> <li>• 0.5 km</li> <li>• -40°C ~85°C</li> </ul>	 <p><b>SFP-ISX-02</b> Industrial Gigabit SFP Transceiver</p> <ul style="list-style-type: none"> <li>• MMF</li> <li>• 2 km</li> <li>• -40°C ~85°C</li> </ul>	 <p><b>SFP-ILX-10</b> Industrial Gigabit SFP Transceiver</p> <ul style="list-style-type: none"> <li>• SMF</li> <li>• 10 km</li> <li>• -40°C ~85°C</li> </ul>	 <p><b>SFP-ILX-40</b> Industrial Gigabit SFP Transceiver</p> <ul style="list-style-type: none"> <li>• SMF</li> <li>• 40 km</li> <li>• -40°C ~85°C</li> </ul>	 <p><b>SFP-ITX-X1</b> Industrial Gigabit SFP Transceiver</p> <ul style="list-style-type: none"> <li>• SFP</li> <li>• 100 km</li> <li>• -40°C ~85°C</li> </ul>
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### Pole Mount Brackets

 <p><b>AT-100</b> Pole Mount Adapter</p>	 <p><b>AT-101</b> Pole Mount Adapter</p>
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### Corner Mount Bracket

 <p><b>AT-200</b> Corner Mount Adapter</p>
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### Fiber Splice Tray

 <p><b>AT-302</b> Fiber Splice Tray</p>
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### Adapters

 <p><b>AT-401</b> Adapter for Axis Mount Bracket</p>	 <p><b>AT-402</b> Adapter for Hanwha Mount Bracket</p>
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