LEADING PoE SOLUTIONs FOR IP SURVEILLANCE

PRODUCT GUIDE



www.aetektec.com

FEB, 2023

contents

Long Range PoE & Ethernet Product Guide — P3-13



- EPoH (Ethernet & Power over Hybrid Copper-Fiber Cable)
- EPoC (Ethernet & Power over Coax)
- EPoT (Ethernet & Power over UTP/STP)
- EPo2 (Ethernet & Power over 2 Wires)
- PoE Extender (Ethernet & Power over UTP/STP)

PoE Switch Product Guide — P14-22



- Outdoor IP67/IK10 PoE Switch
- Indoor PoE Switch
- Industrial PoE Switch

L2 PRO PoE Switch Product Guide — P23-32



- L2 PoE Switch
  - Outdoor IP67/IK10
  - Industrial
  - Indoor
- 10G L2 PRO Switch
  - Indoor
- L2 PRO PoE Switch
  - Outdoor IP67/IK10
  - Industrial
  - Indoor

Gigabit PoE Media Converter Product Guide — P33-35



- Media Converter
- PoE Media Converter
- PoE PD Media Converter

Gigabit PoE Injector Product Guide — P36-38



- Indoor Gigabit 60W/90W/95W PoE Injector
- Outdoor IP67/IK10 Gigabit 60W/90W/95W PoE Injector
- Industrial Gigabit 90W/95W PoE Injector

Gigabit PoE Extender Product Guide — P39-41



- Indoor Gigabit 90W PoE Extender
- Outdoor IP67/IK10 Gigabit 90W PoE Extender
- Indoor Gigabit 90W PoE Extender Plus
- Outdoor IP67/IK10 Gigabit 90W PoE Extender Plus

Gigabit PoE Surge Protector Product Guide — P42-44



- 1-CH Gigabit 802.3 bt/at/af PoE Surge Protector
- 4-CH/24-CH Gigabit 802.3 bt/at/af PoE Surge Protectors
- 4-CH/24-CH IP Managed Gigabit 802.3 bt/at/af PoE Surge Protectors

Outdoor Surveillance system — P45-48



- Back-up PoE Cabinet
- IP Back-up PoE Cabinet

Camera Housing Product Guide — P49-59



- AI Camera Housing
- AC24V (Optional DC24V)
- 802.3 bt/at/af PoE
- 800m PoE
- AISI 316L Stainless Steel

Illuminator Product Guide — P60-62



- Manual
- Motor
- Pulse Mode
- Affordable

Long Range PoE & Ethernet Product Guide

EPoH (Ethernet & Power over Hybrid Copper-Fiber Cable)
EPoC (Ethernet & Power over Coax)
EPoT (Ethernet & Power over UTP/STP)
EPo2 (Ethernet & Power over 2 Wires)
PoE Extender (Ethernet & Power over UTP/STP)





Long Range PoE & Ethernet Product Selection

1-CH 6-CH

over Hybrid copper-fiber cable

RX (Switch Site)

Base



HE10-110-RX P6

Chassis



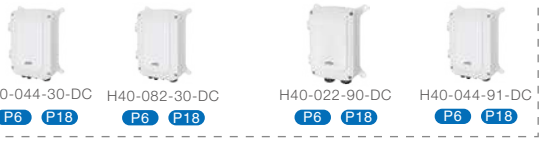
CH-200 P6

TX (Camera Site)

IP67/IK10

PoE switch

30W at 60W/90W bt



H40-044-30-DC P6 P18
H40-082-30-DC P6 P18
H40-022-90-DC P6 P18
H40-044-91-DC P6 P18

L2 Switch



H51-044-30-DC P6 P28
H51-084-30-DC P6 P28
H51-044-91-DC P6 P28

L2 PRO Switch



H60-044-30-DC P6 P30
H60-084-30-DC P6 P30
H60-044-91-DC P6 P30

Industrial

PoE switch

30W at 60W/90W bt



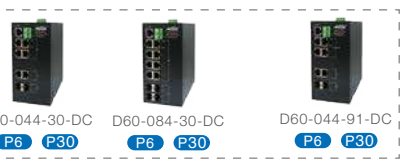
D40-044-30-DC P6 P21
D40-082-30-DC P6 P21
D40-044-91-DC P6 P21

L2 Switch



D51-044-30-DC P6 P28
D51-084-30-DC P6 P28
D51-044-91-DC P6 P28

L2 PRO Switch



D60-044-30-DC P6 P30
D60-084-30-DC P6 P30
D60-044-91-DC P6 P30

Long Range PoE & Ethernet Product Selection

over Coax

RX (Switch Site)

Adapter

	PoE In	100-240VAC In
1-port	XE11-110-RX P10	XE10-110-RX P10

Switch

4-port	XC10-041-250 P9
8-port	XC10-084-380 P9

TX (Camera Site)

Adapter

	Indoor	IP67/IK10
1-port	XE10-110-TX P10	XE22-110-TX P10
2-port	XE12-120-TX P10	XE22-120-TX P10

Camera Housing

	w/ IR LED	Heater & Blower	Thermal
500m	A5020-E P10		
600m		A5000-E P10	
800m			A5100-E P10

over UTP/STP

RX (Switch Site)

Adapter

	PoE In	100-240VAC In
1-port	TE11-110-RX P11	TE10-110-RX P11

Switch

4-port	XT10-041-250 P11

TX (Camera Site)

Adapter

	Indoor	IP67/IK10
1-port	TE10-110-TX P11	TE22-110-TX P12
2-port	TE12-120-TX P12	TE22-120-TX P12

Camera Housing

	w/ IR LED	Heater & Blower	Thermal
500m	A5020-T P12		
600m		A5000-T P12	
800m			A5100-T P12

over 2 Wires

	Indoor	PoE In	100-240VAC In
RX (Switch Site) Adapter 1-port		2E11-110-RX P13	2E10-110-RX P13
TX (Camera Site) Adapter 1-port	2E10-110-TX P13		

Hybrid copper and fiber in one cable



Up to 12
optical fibers SMF or MMF

12 AWG (2 mm) or
16 AWG (1.3 mm)
Conductors

One Cable, More Possibilities

· The Hybrid cable combines fiber optic cable and copper power cable to extend 4xaf PoE distance up to 2,400m / 7,874ft.

Fiber Cable
· Long-Distance Data Transmission
· High Bandwidth

Copper Cable
· Long-Distance Power Transmission



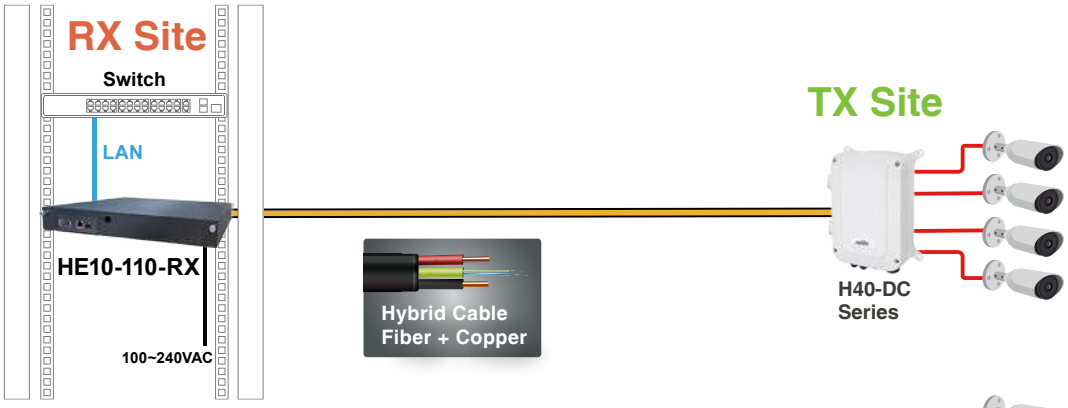
Applications

· Optical LAN · Emergency Phones · 4K/HD security cameras · Digital signage
· Wi-Fi access points · Small cells · Virtually any IP PoE PD

One Channel Solution

AETEK HE10-110-RX
1-CH EPoH RX Base
(Gigabit Ethernet & Power over Hybrid Cable)

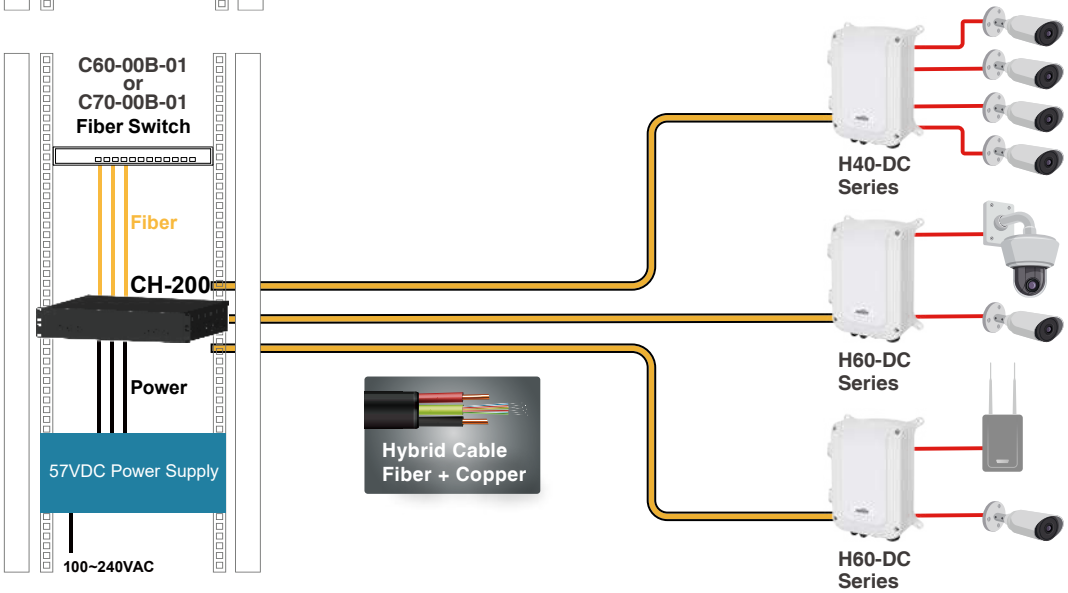
- Hybrid cable (from 3rd party)



Multi-Channel Solution

AETEK CH-200
Power & Fiber Distribution

- AETEK Fiber Ethernet Switch or 3rd party Fiber Switch
- High power supply w/ 48-57 VDC output (from 3rd party)
- Hybrid cable (from 3rd party)



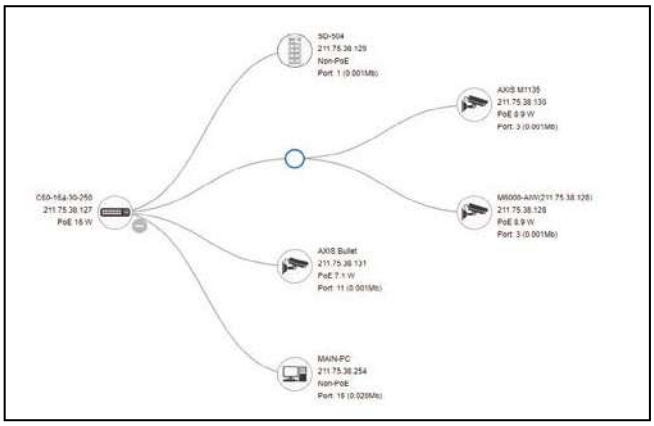
Distance Chart

PoE (Data + Power) — LAN — Power — Hybrid Cable

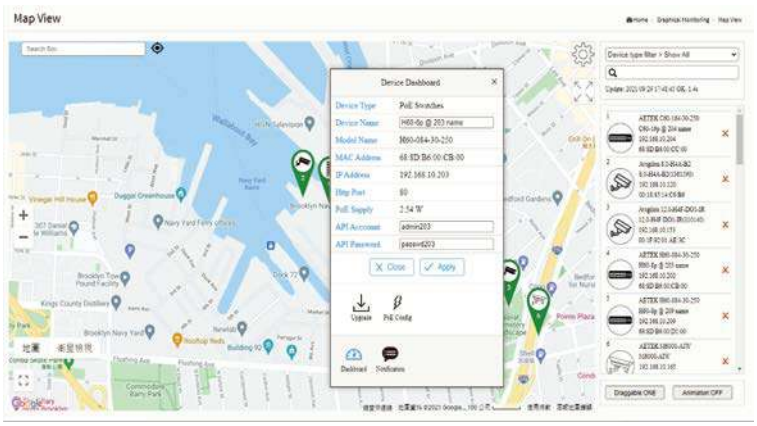
PSU Output Voltage	Cable Gauge (AWG)	4xaf Output Cable Length	8xaf Output Cable Length	2xbt 90W Output Cable Length	4xbt 90W Output Cable Length
57VDC/750W Power Supply	12	2,400m / 7,874ft	1,040m / 3,412ft	720m / 2,362ft	150m / 492ft
	16	940m / 3,083ft	400m / 1,312ft	240m / 787ft	60m / 196ft

H60 & D60 L2 PRO PoE Switch: Network Topology System

Topology View



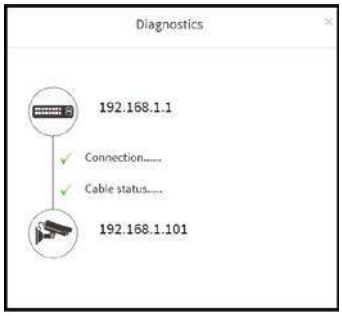
Google Map View

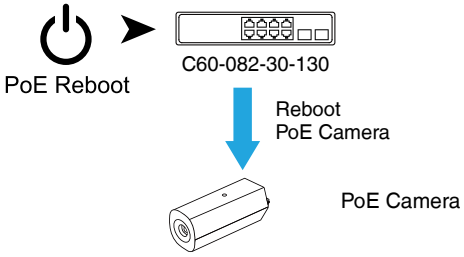


Camera Dashboard

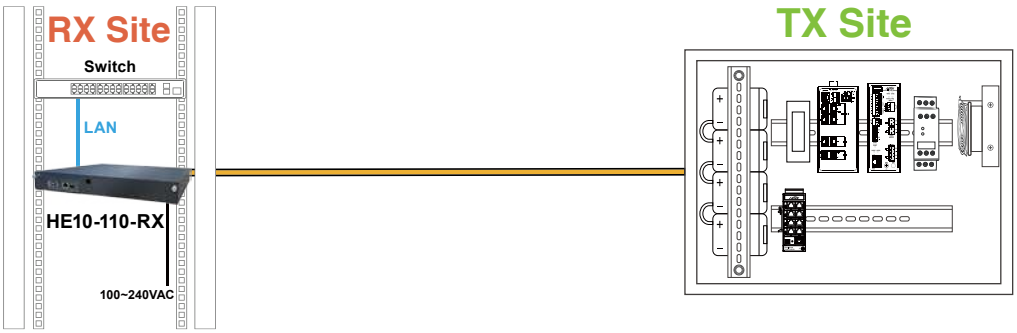








D60 Series w/ OS-200 Series IP PoE Back-up Cabinet



PoE (Data + Power) — Power — Fiber

OS-200 Series-System Dash-Board

Power Status

DC Input : 0.0 V
DC Output : 51.40 V
Power Scorce : battery
Output: ON
DC Alarm: N/A

Battery Status

Battery Voltage : 51.42 V
Battery Corruct : 0.9 mA
Capacity : 98%
Time Left (hr) : 11.6
Cycles : 1
Battery Alarm : N/A

Blower / Heater Status

Blower Operation : OFF
Heater Operation : ON

Temp / Humi Status

Temperature : 25°C
Humidity : 51%

GPS Status

Date UTC : 2021/12/20
UTC Time: 07:39:37
Latitude: N 24.99769629953151
Longtitude : E 121.49383638271591
Satellite : 2

OS-200 Series-Notification

Syslog

Email

SNMP

Event

View Log

Ordering information

TX Site - Outdoor

Outdoor IP67/IK10 Gigabit PoE Switches Type



H40-022-90-DC
- 2xGbE PoE (95W) + 2 x GbE SFP
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)



H40-022-90-DC-A
- 2xGbE PoE (95W) + 2 x GbE SFP
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)
- Support Avigilon Mount



H40-044-30-DC
- 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)



H40-044-91-DC
- 4xGbE bt PoE (90W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)



H40-082-30-DC
- 8xGbE PoE (30W) +2xGbE SFP
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)

L2 Outdoor IP67/IK10 Gigabit PoE Switches Type



H51-044-30-DC
- 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)



H51-044-91-DC
- 4xGbE bt PoE (90W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)



H51-084-30-DC
- 8xGbE PoE (30W) + 4xGbE SFP
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)

L2 PRO Outdoor IP67/IK10 Gigabit PoE Switches Type



H60-044-30-DC
- 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)



H60-044-91-DC
- 4xGbE bt PoE (90W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)



H60-084-30-DC
- 8xGbE PoE (30W) + 4xGbE SFP
- 12~56VDC Input
- -40°C~ 65°C (-40°F~ 149°F)

TX Site - Industrial

Industrial Din-Rail Gigabit PoE Switches Type



D40-044-30-DC
- 4xGbE 30W PoE + 2xGbE SFP +2xGbE RJ45
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)



D40-044-91-DC
- 4x 90W bt PoE + 2xGbE SFP +2xGbE RJ45
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)



D40-082-30-DC
- 8xGbE 30W PoE +2xGbE SFP
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)

L2 Industrial Din-Rail Gigabit PoE Switches Type



D51-044-30-DC
- 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)



D51-044-91-DC
- 4xGbE bt PoE (90W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)



D51-084-30-DC
- 8xGbE PoE (30W) + 4xGbE SFP
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)

L2 PRO Industrial Din-Rail Gigabit PoE Switches Type



D60-044-30-DC
- 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)



D60-044-91-DC
- 4xGbE bt PoE (90W) + 2xGbE SFP + 2xGbE RJ45
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)



D60-084-30-DC
- 8xGbE PoE (30W) + 4xGbE SFP
- 12~56VDC Input
- -40°C~75°C (-40°F~167°F)

RX Site

Accessories



CH-200
- 6-CH Power & Fiber Distribution Chassis

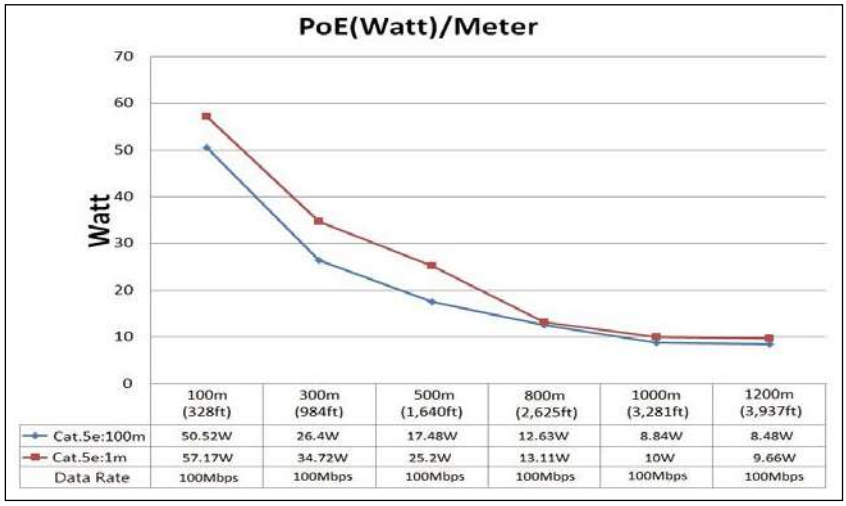


HE10-110-RX
- 1-CH EPoH RX Base

EPoC (Ethernet & Power over Coax)

EPoC Power - Distance Chart



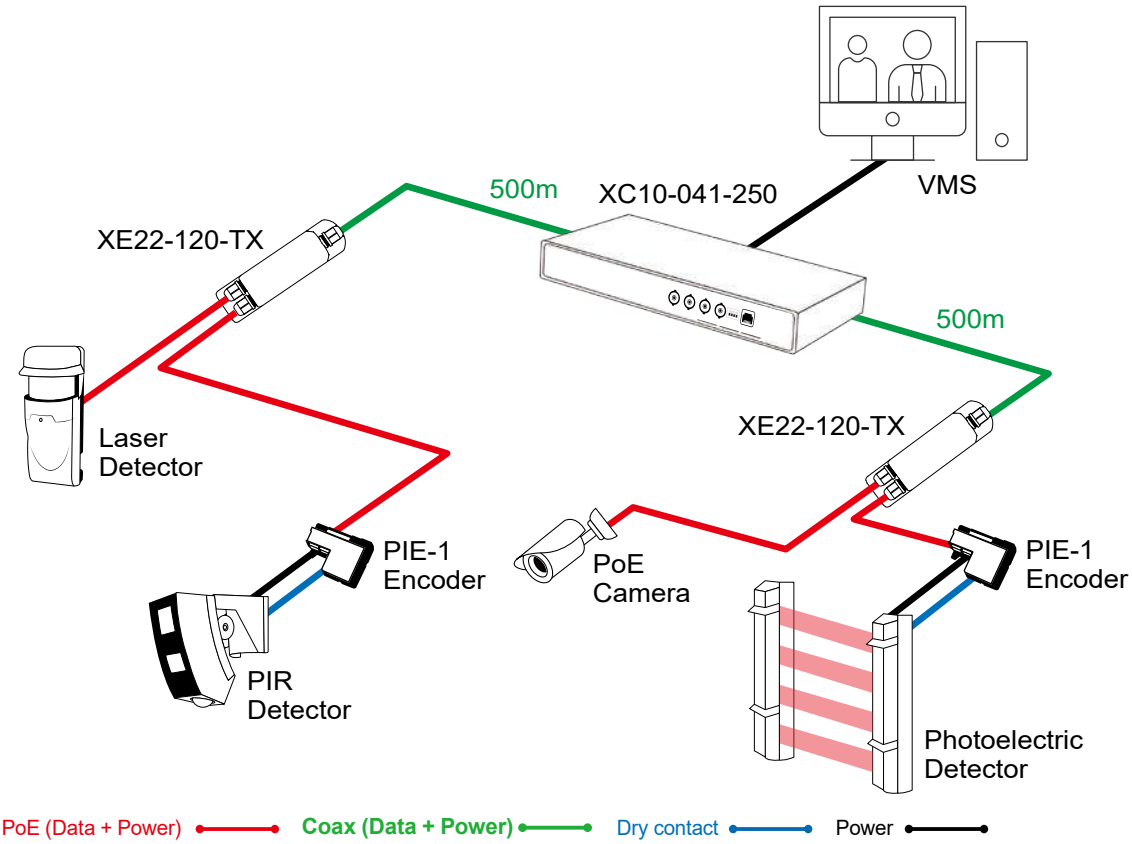


	100m (328ft)	300m (984ft)	500m (1,640ft)	800m (2,625ft)	1000m (3,281ft)	1200m (3,937ft)
Cat.5e:100m	50.52W	26.4W	17.48W	12.63W	8.84W	8.48W
Cat.5e:1m	57.17W	34.72W	25.2W	13.11W	10W	9.66W
Data Rate	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps

EPoT Power - Distance Chart



Application





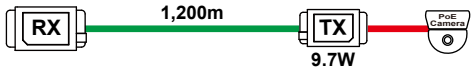






EPoC (Ethernet & Power over Coax) Topology

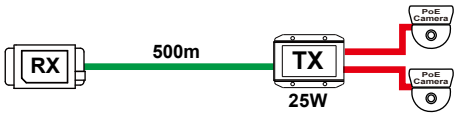
A: 1 - to - 1



PoE (Data + Power)
Coax (Data + Power)

PoE Budget : 9.7W@1,200m / 3,937ft over RG6
Data Rate : 100Mbps

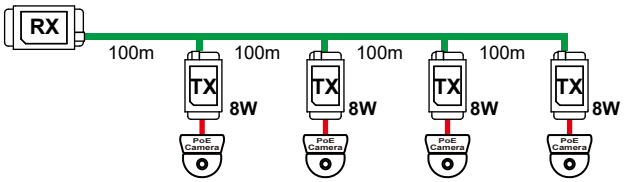
B: 1 - to - 2



PoE (Data + Power)
Coax (Data + Power)

PoE Budget : 25W@500m / 1,640ft over RG6
Data Rate : 100Mbps

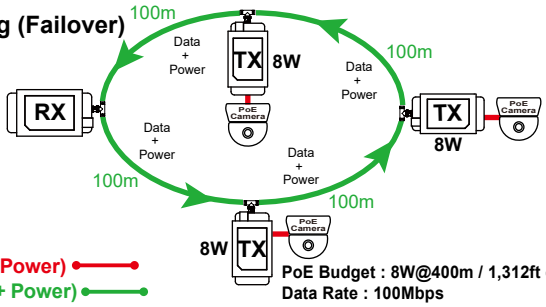
C: Daisy - Chain



PoE (Data + Power)
Coax (Data + Power)

PoE Budget : 8W@400m / 1,312ft over RG6
Data Rate : 100Mbps

D: Ring (Failover)



PoE (Data + Power)
Coax (Data + Power)

PoE Budget : 8W@400m / 1,312ft over RG6
Data Rate : 100Mbps

EoC (Ethernet over Coax) Topology

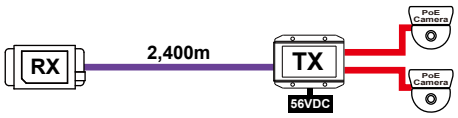
E: 1 - to - 1



Power
Coax (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over RG6
Data Rate : 100Mbps

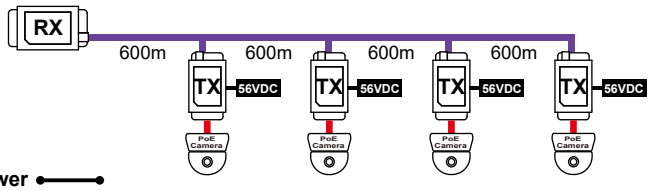
F: 1 - to - 2



Power
Coax (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over RG6
Data Rate : 100Mbps

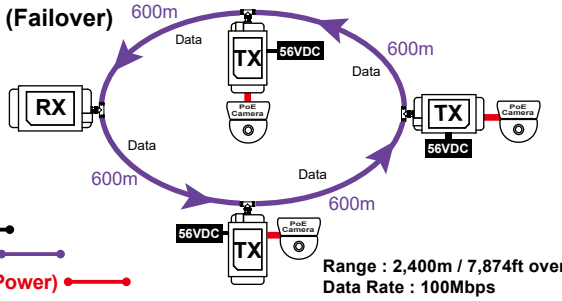
G: Daisy - Chain



Power
Coax (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over RG6
Data Rate : 100Mbps

H: Ring (Failover)



Power
Coax (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over RG6
Data Rate : 100Mbps

EPoC RX Switch

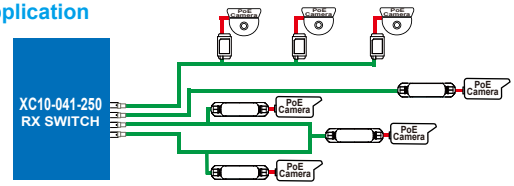


XC10-041-250

Features

- 4xBNC coaxial ports, 1xGbE RJ45 LAN port
- 240W power budget for 4 EPoC ports
- 6KV surge protection for EPoC port
- Plug-and-Play deployment PoE IP migration or PoE extension
- Supports 1-to-1, 1-to-2, Daisy-chain, Ring Topologies

Application



Topology	EPoC	EoC
1-to-1	A:	E:
1-to-2	B:	F:
Daisy-Chain	C:	G:
Ring(Failover)	D:	H:

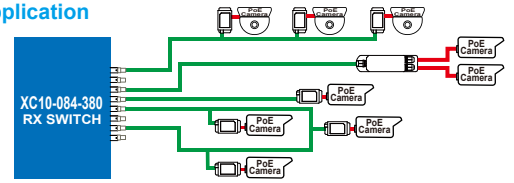


XC10-084-380

Features

- 8xBNC coaxial ports, 2xGbE RJ45 & 2xGbE SFP LAN ports
- 370W power budget for 8 EPoC ports
- 6KV surge protection for EPoC port
- Plug-and-Play deployment PoE IP migration or PoE extension
- Supports 1-to-1, 1-to-2, Daisy-chain, Ring Topologies

Application



Topology	EPoC	EoC
1-to-1	A:	E:
1-to-2	B:	F:
Daisy-Chain	C:	G:
Ring(Failover)	D:	H:

EPoC (Ethernet & Power over Coax)

EPoC RX Adapter

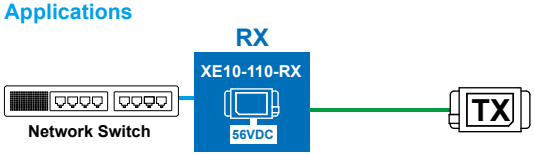


XE10-110-RX

Features

- One BNC coaxial port & one 10/100Mbps LAN port
- PoE pass through coax to remote PoE IP camera
- Including 65W@ 56VDC power adapter
- Supports 1-to-1, 1-to-2, Daisy-chain, Ring Topologies

Applications



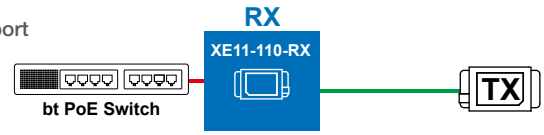
Topology	EPoC	EoC
1-to-1	A: ●	E: ●
1-to-2	B: ●	F: ●
Daisy-Chain	C: ●	G: ●
Ring(Failover)	D: ●	H: ●



XE11-110-RX

Features

- One BNC coaxial port & one 10/100Mbps PoE PD port
- 30W/60W/90W PoE input
- Without requiring extra power adapter
- PoE pass through coax to remote PoE IP camera
- Supports 1-to-1, 1-to-2, Daisy-chain, Ring Topologies



Topology	EPoC	EoC
1-to-1	A: ●	E: ●
1-to-2	B: ●	F: ●
Daisy-Chain	C: ●	G: ●
Ring(Failover)	D: ●	H: ●

EPoC TX Adapter



XE10-110-TX

Features

- One BNC coaxial port & one PoE LAN port
- Re-uses existing coax for a PoE IP camera
- Without requiring extra power adapter beside remote PoE IP camera
- PoE Output On/Off control
- Supports 1-to-1, Daisy-chain, Ring Topologies



Topology	EPoC	EoC
1-to-1	A: ●	E: ●
Daisy-Chain	C: ●	G: ●
Ring(Failover)	D: ●	H: ●



XE12-120-TX

Features

- One BNC coaxial port & two PoE LAN ports
- Re-uses existing coax for 2 of PoE IP cameras
- Without requiring extra power adapter beside remote PoE IP cameras
- PoE Output On/Off control
- Supports 1-to-2 Topology



Topology	EPoC	EoC
1-to-2	B: ●	F: ●

IP67/IK10 EPoC TX Adapter



XE22-110-TX

Features

- IP67, IK10, -30°C ~ 60°C
- Built-in 6KV EPoC surge protection
- Re-uses existing coax for a PoE IP camera
- One BNC coaxial port & one PoE LAN port
- PoE Output On/Off control
- Supports 1-to-1, Daisy-chain, Ring Topologies

Applications



Topology	EPoC	EoC
1-to-1	A: ●	E: ●
Daisy-Chain	C: ●	G: ●
Ring(Failover)	D: ●	H: ●



XE22-120-TX

Features

- IP67, IK10, -30°C ~ 60°C
- Built-in 6KV EPoC surge protection
- Re-uses existing coax for 2 of PoE IP cameras
- One BNC coaxial port & two PoE LAN ports
- PoE Output On/Off control
- Supports 1-to-2 Topology



Topology	EPoC	EoC
1-to-2	B: ●	F: ●

EPoC TX Camera Housing

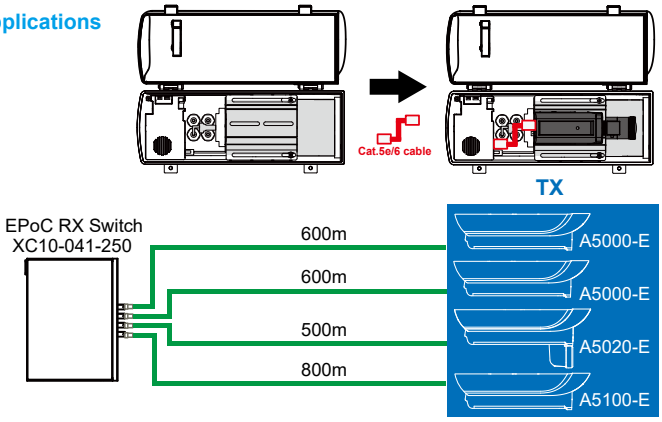


A5000-E

Features

- EPoC-TX Camera Housing
- 20W power budget@600m PoE solution over single coax
- Compatible with IEEE 802.3af IP box/brick camera
- IP68 / IK10 / 6KV surge protection
- Window heater & blower included
- Supports wide-angle & long-distance remote focus lens

Applications





A5020-E

Features

- EPoC-TX Camera Housing w/IR illuminator(50m)
- 25W power budget@500m PoE solution over single coax
- IP66 / IK10 / 6KV surge protection
- Window heater & blower included
- Supports wide-angle & long-distance remote focus lens



A5100-E

Features

- EPoC-TX Camera Housing w/germanium window
- 13W power budget@800m PoE solution over single coax
- IP68 / IK10 /6KV surge protection
- Window heater & blower included
- Supports wide-angle & long-distance remote focus lens

EPoC Related Product



CH-100-V2
- 19'', 1U 4-bay Rack Mount Chassis
- For 4 sets of XE10-110-RX & 65W power adapter



CH-110-V2
- 19'', 1U 8-bay rack mount chassis
- For 8 pieces of XE11-110-RX



SD-301
- BNC Surge Protector
- 6KV Surge Protection



BNC-T
- T-Type BNC Adapter



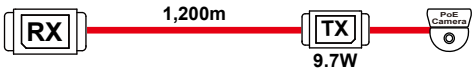
BNC-YC
- Outdoor Y-Type BNC Cable



BNC-Y
- Y-Type BNC Adapter

EPoT (Ethernet & Power over UTP/STP) Topology

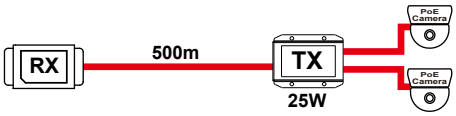
A: 1 - to - 1



PoE (Data + Power)

PoE Budget : 9.7W@1,200m / 3,937ft over Cat6
Data Rate : 100Mbps

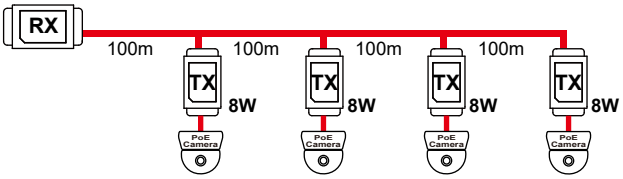
B: 1 - to - 2



PoE (Data + Power)

PoE Budget : 25W@500m / 1,640ft over Cat6
Data Rate : 100Mbps

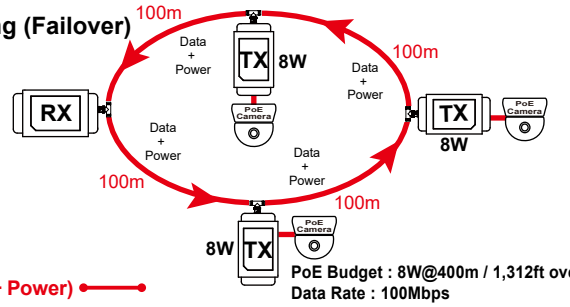
C: Daisy - Chain



PoE (Data + Power)

PoE Budget : 8W@400m / 1,312ft over Cat6
Data Rate : 100Mbps

D: Ring (Failover)



PoE (Data + Power)

PoE Budget : 8W@400m / 1,312ft over Cat6
Data Rate : 100Mbps

EoT (Ethernet over UTP/STP) Topology

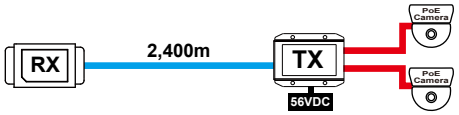
E: 1 - to - 1



Power
UTP/STP (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over Cat6
Data Rate : 100Mbps

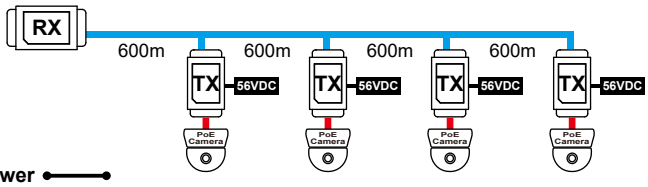
F: 1 - to - 2



Power
UTP/STP (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over Cat6
Data Rate : 100Mbps

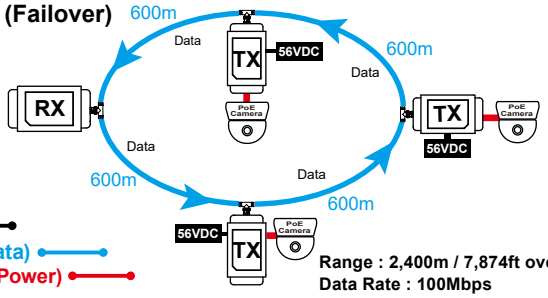
G: Daisy - Chain



Power
UTP/STP (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over Cat6
Data Rate : 100Mbps

H: Ring (Failover)



Power
UTP/STP (Data)
PoE (Data + Power)

Range : 2,400m / 7,874ft over Cat6
Data Rate : 100Mbps

EPoT RX Adapter

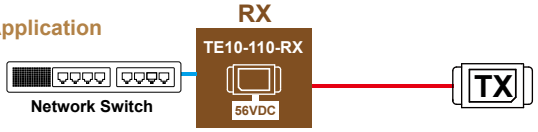


TE10-110-RX

Features

- One EPoT RJ45 port & one 10/100Mbps LAN port
- PoE pass through UTP/STP to remote PoE IP camera
- Including 65W@ 56VDC power adapter
- Supports 1-to-1, 1-to-2, Daisy-chain & Ring Topologies

Application



Topology	EPoT	EoT
1-to-1	A:	E:
1-to-2	B:	F:
Daisy-Chain	C:	G:
Ring(Failover)	D:	H:

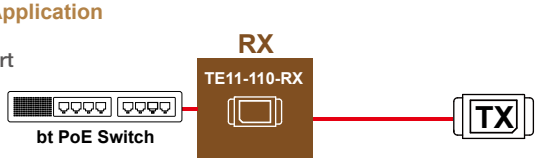


TE11-110-RX

Features

- One EPoT RJ45 port & one 10/100Mbps PoE PD port
- 30W/60W/90W PoE input
- Without requiring extra power adapter
- PoE pass through UTP/STP to remote PoE IP camera
- Supports 1-to-1, 1-to-2, Daisy-chain, Ring Topologies

Application



Topology	EPoT	EoT
1-to-1	A:	E:
1-to-2	B:	F:
Daisy-Chain	C:	G:
Ring(Failover)	D:	H:

EPoT TX Adapter

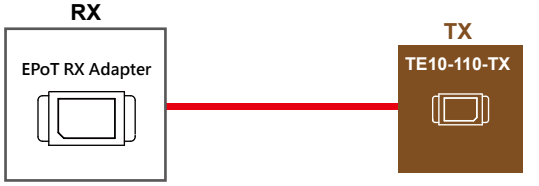


TE10-110-TX

Features

- One EPoT RJ45 port & one PoE LAN port
- Without requiring extra power adapter beside remote PoE IP camera
- PoE Output On/Off control
- Supports 1-to-1, Daisy-chain, Ring Topologies

Application



Topology	EPoT	EoT
1-to-1	A:	E:
Daisy-Chain	C:	G:
Ring(Failover)	D:	H:

EPoT (Ethernet & Power over UTP/STP)

EPoT TX Adapter

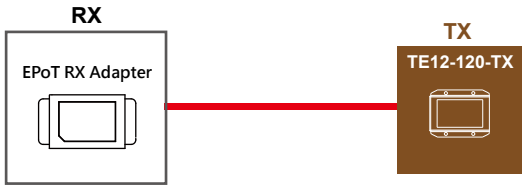


TE12-120-TX

Features

- One EPoT RJ45 port & two PoE LAN ports
- Without requiring extra power adapter beside remote PoE IP cameras
- PoE Output On/Off control
- Supports 1-to-2 Topology

Application



Topology	EPoT	EoT
1-to-2	B: ●	F: ●

IP67/IK10 EPoT TX Adapter

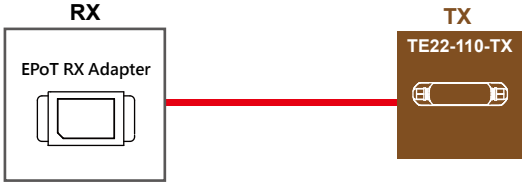


TE22-110-TX

Features

- IP67, IK10, -30°C ~ 60°C
- Built-in 6KV EPoT surge protection
- One EPoT RJ45 port & one PoE LAN port
- Without requiring extra power adapter beside remote PoE IP camera
- PoE Output On/Off control
- Supports 1-to-1, Daisy-chain, Ring Topologies

Application



Topology	EPoT	EoT
1-to-1	A: ●	E: ●
Daisy-Chain	C: ●	G: ●
Ring(Failover)	D: ●	H: ●



TE22-120-TX

Features

- IP67, IK10, -30°C ~ 60°C
- Built-in 6KV EPoT surge protection
- One EPoT RJ45 port & two PoE LAN ports
- Without requiring extra power adapter beside remote PoE IP cameras
- PoE Output On/Off control
- Supports 1-to-2 Topology

Application



Topology	EPoT	EoT
1-to-2	B: ●	F: ●

EPoT TX Camera Housing



A5000-T

Features

- EPoT-TX Camera Housing
- 20W power budget@600m PoE solution over single UTP/STP
- Compatible with IEEE 802.3af IP box/brick camera
- IP68 / IK10 / 6KV surge protection
- Window heater & blower included
- Supports wide-angle & long-distance remote focus lens



A5020-T

Features

- EPoT-TX Camera Housing w/IR illuminator(50m)
- 25W power budget@500m PoE solution over single UTP/STP
- IP66 / IK10 / 6KV surge protection
- Window heater & blower included
- Supports wide-angle & long-distance remote focus lens

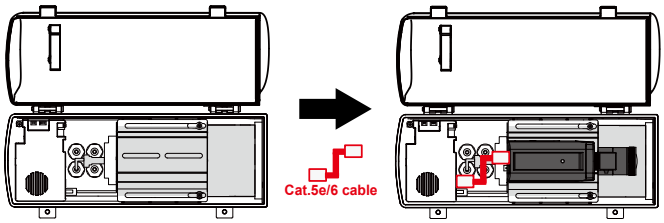


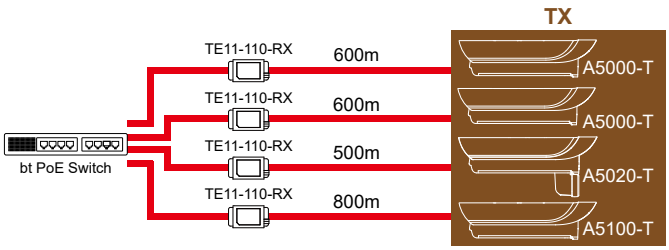
A5100-T

Features

- EPoT-TX Camera Housing w/germanium window
- 13W power budget@800m PoE solution over single UTP/STP
- IP68 / IK10 /6KV surge protection
- Window heater & blower included
- Supports wide-angle & long-distance remote focus lens

Applications





EPoT Related Product



CH-100-V2
- 19", 1U 4-bay rack mount chassis
- For 4 sets of TE10-110-RX & 65W power adapter



CH-110-V2
- 19", 1U 8-bay rack mount chassis
- For 8 pieces of TE11-110-RX



UTP-YC cable
- Outdoor Y type RJ45 Cable

EPo2 (Ethernet & Power over 2 Wires) Topology

EPo2 RX Adapter



2E10-110-RX

Features

- One EPo2 terminal block port & one 10/100Mbps LAN port
- Includes 65W@ 56VDC power adapter
- Uses telephone line, doorbell wire or 1-pair UTP/STP to connect EPo2 TX
- Re-uses in-wall 2 wires infrastructure



2E11-110-RX

Features

- One EPo2 Terminal block port & one 10/100Mbps PoE PD port
- 30W/60W/90W PoE input
- Without requiring extra power adapter
- Uses telephone line, doorbell wire or 1-pair UTP/STP to connect EPo2 TX
- Re-uses in-wall 2 wires infrastructure

EPo2 TX Adapter

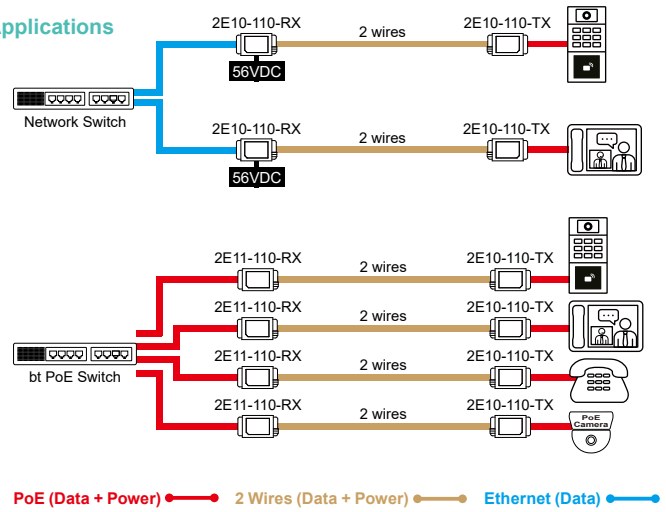


2E10-110-TX

Features

- One EPo2 Terminal block port & one 10/100Mbps PoE port
- Without requiring extra power adapter beside remote PoE IP device
- Uses telephone line, doorbell wire or 1-pair UTP/STP to connect PoE IP devices
- PoE Output On/Off control

Applications



Power / Distance Table : 2 Wires

Power / Distance Table				
	100m	200m	400m	600m
0.4mm Cable 26AWG	Watt : 18W	Watt : 8.06W	X	X
0.5mm Cable 24AWG	Watt : 23.8W	Watt : 12.1W	Watt : 6.1W	X
0.6mm Cable 22AWG	Watt : 32.3W	Watt : 17.2W	Watt : 8.4W	Watt : 5W
Data Rate	100Mbps	100Mbps	100Mbps	100Mbps

EPo2 Related Product



CH-100-V2

- 19", 1U 4-bay rack mount chassis
- For 4 sets of 2E10-11--RX & 65W power adapter



CH-110-V2

- 19", 1U 8-bay rack mount chassis
- For 8 pieces of 2E11-110-RX

PoE Extender Topology

Indoor / Outdoor IP67/IK10 Gigabit 90W bt PoE++ Extender



E59-101



E69-101

Features

- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 1-port Gigabit Passive PoE output (Compliant 802.3af)
- Drives the reach beyond restricted 100m Ethernet distance



E59-102



E69-102

Features

- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 2-port Gigabit Passive PoE output (Compliant 802.3af)
- Drives the reach beyond restricted 100m Ethernet distance

Outdoor IP67/IK10 IEEE 802.3bt PoE++ to IEEE 802.3af/at/bt PoE++ Extender



E69-201

Features

- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 1-port Gigabit **802.3af/at/bt PoE++ output**
- IEEE 802.3af/at/bt compliant
- Drives the reach beyond restricted 100m Ethernet distance



E69-202

Features

- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 2-port Gigabit **802.3af/at/bt PoE++ output**
- IEEE 802.3af/at/bt compliant
- Drives the reach beyond restricted 100m Ethernet distance

Indoor / Outdoor IP67/IK10 Gigabit 90W PoE Extender Plus



E59-602

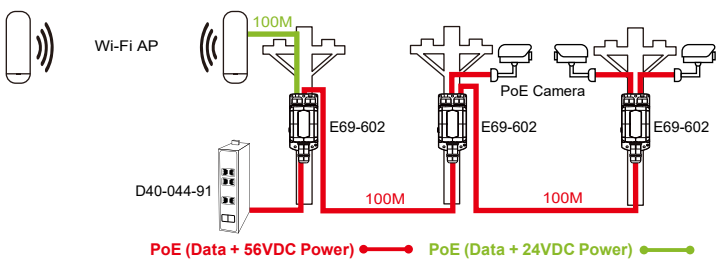


E69-602

Features

- Voltage Booster
- 1-port Gigabit **30W/60W/90W bt PoE input** + 1-port Gigabit 56VDC Passive PoE output + (Compliant 802.3af)
  1-port Gigabit **24VDC or 56VDC** Passive PoE output
- Drives the reach beyond restricted 100m Ethernet distance

Application



PoE Switch Product Guide

Outdoor IP67/IK10 PoE Switch

Indoor PoE Switch

Industrial PoE Switch





Outdoor / Indoor PoE Switch Product Selection

30W at PoE | 60W/90W bt PoE | 60W/95W PoH PoE

Outdoor
IP67 / IK10

Fast Ethernet
- 5-port
  - H21-041-30-075 P17
- 10-port
  - H21-082-31-150 P17

Gigabit Ethernet
- 4-port
  - H40-022-91-120 P17
  - H40-022-90-120 P17
  - H40-022-90-DC P18
  - H40-022-91-DC P18
  - H40-022-90-120-A P17
- 8-port
  - H40-044-30-150 P17
  - H40-044-91-250 P17
  - H40-044-90-250 P17
  - H40-044-30-DC P18
  - H40-044-91-DC P18
  - H40-044-90-DC P18
- 10-port
  - H40-082-30-250 P17
  - H40-082-30-DC P18



-DC:12~56VDC Input Power
Others:100~240VAC Input Power

24VDC PoE | 30W at PoE

Outdoor
IP67 / IK10

Gigabit Ethernet
- 6-port
  - H42-042-30-075 P18



30W at PoE

Indoor

Fast Ethernet
- 6-port
  - C11-042-30-065 P19
- 10-port
  - C11-082-32-120 P19
- 18-port
  - C11-162-31-250 P19
- 26-port
  - C11-242-31-380 P19



Industrial PoE Switch Product Selection

30W at PoE | 60W/90W bt PoE | 60W/95W PoH PoE

Industrial -40~75°C — Gigabit Ethernet

- 6-port
  - H30-042-30 P19
  - H36-042-30 P20
- 8-port
  - H30-044-30 P19
  - D40-044-30 P20
  - D40-044-91 P20
  - D40-044-91-DC P21
  - H30-044-90 P19
  - D40-044-30-DC P21
  - H30-044-91 P19
  - H36-044-91 P20
  - H36-044-90 P20
- 10-port
  - D40-082-30 P20
  - D40-082-30-DC P21
  - H30-082-30 P19
  - H36-082-30 P20

-DC:12~56VDC Input Power

Others:48~56VDC Input Power

24VDC PoE

30W at PoE

Industrial -40~75°C — Gigabit Ethernet

- 6-port
  - H32-042-30 P20





Outdoor IP67/IK10 PoE Switch

Outdoor IP67/IK10

H21 Series - Outdoor IP67/IK10 Fast Ethernet EXPoE Switch



H21-041-30-075

Features

- IP67, IK10, -40°C ~ 65°C
- 4-port 10/100Mbps 30W PoE + 1-port 10/100Mbps
- 12KV PoE surge protection
- **EX mode "on" reaches 802.3af camera up to 250m@10Mbps**
- 100~240VAC input power

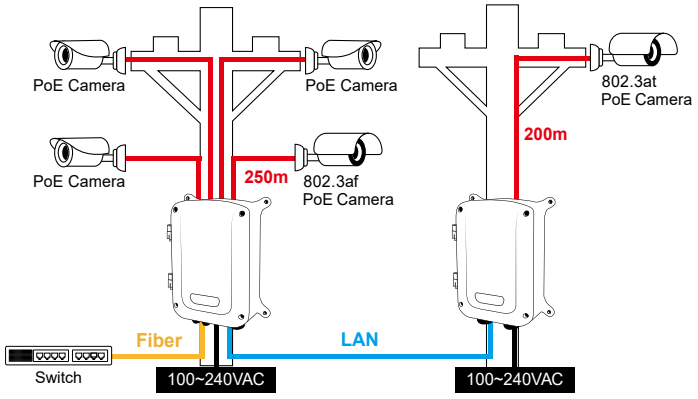


H21-082-31-150

Features

- **Outdoor IP67, IK10, -20°C ~ 65°C**
- 8-port 10/100Mbps 30W PoE + 2-port Gigabit Combo(RJ45/SFP)
- 6KV PoE surge protection
- **EX mode "on" reaches 802.3af camera up to 250m@10Mbps**
- 100~240VAC input power

Application



PoE (Data + Power) — Ethernet (Data) — Power — Fiber

H40 Series - Outdoor IP67/IK10 Gigabit Ethernet PoE Switch



H40-022-90-120

Features

- IP67, IK10, -40°C~ 65°C
- **30W at, 60W/95W PoH PoE output**
- 2-port Gigabit 95W PoH PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H40-022-90-120-A

Features

- IP67, IK10, -40°C~ 65°C
- **30W at, 60W/95W PoH PoE output**
- 2-port Gigabit 95W PoH PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- For Avigilon PTZ/IR PTZ/Multisensor
- 100~240VAC input power



H40-022-91-120

Features

- IP67, IK10, -40°C~ 65°C
- **30W at, 60W/90W bt PoE output**
- 2-port Gigabit 90W bt PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H40-044-30-150

Features

- IP67, IK10, -40°C~ 65°C
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H40-044-90-250

Features

- IP67, IK10, -40°C~ 65°C
- **30W at, 60W/95W PoH PoE output**
- 4-port Gigabit 95W PoH PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H40-044-91-250

Features

- IP67, IK10, -40°C~ 65°C
- **30W at, 60W/90W bt PoE output**
- 4-port Gigabit 90W bt PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

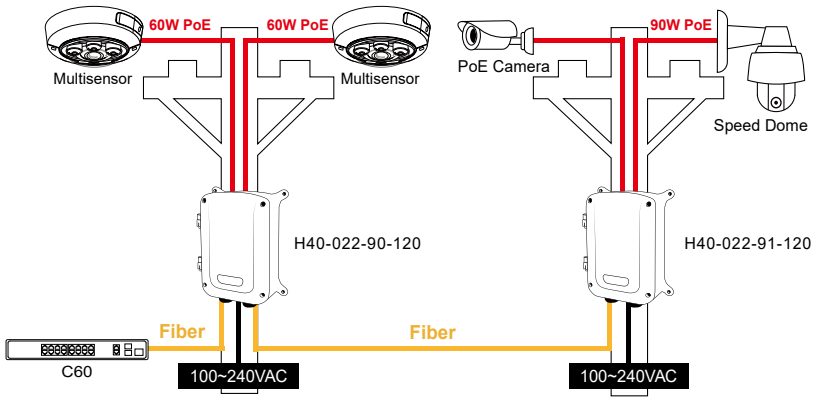


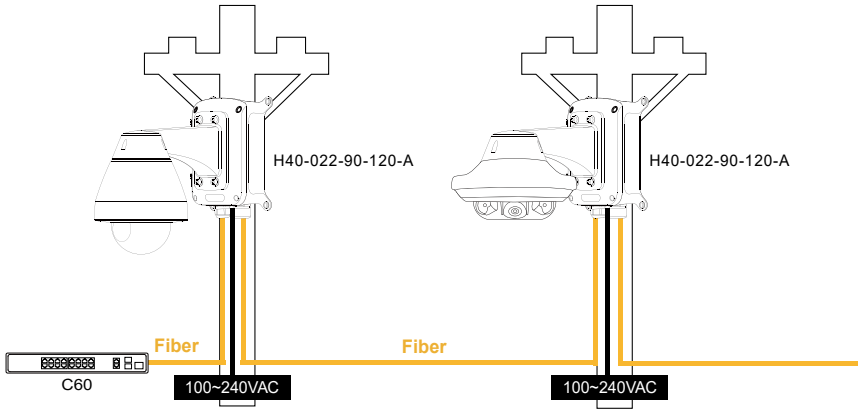
H40-082-30-250

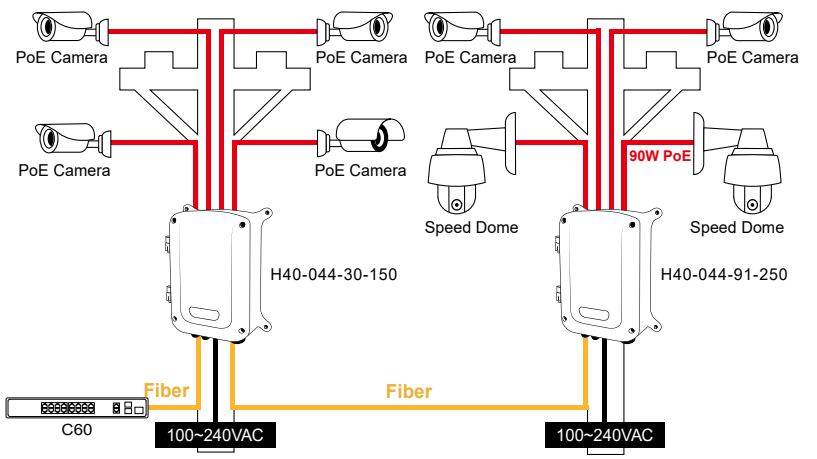
Features

- IP67, IK10, -40°C~ 65°C
- 8-port Gigabit 30W PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

Applications







PoE (Data + Power) — Power — Fiber

Outdoor IP67 / IK10 PoE Switch

H42 Series - Outdoor IP67/IK10 Gigabit Ethernet Switch w/ Adjustable PoE Output

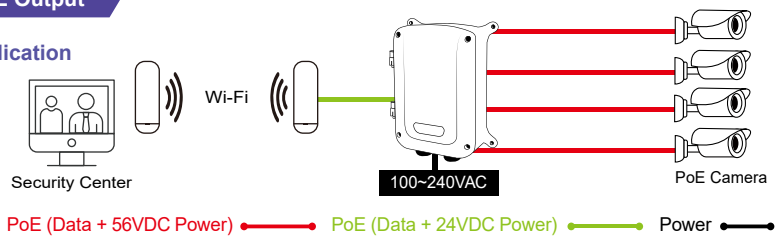


H42-042-30-075

Features

- IP67, IK10, -40°C~ 65°C
- 4-port Gigabit 30W PoE + **1-port Gigabit (24VDC/56VDC) Passive PoE** + 1-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

Application



H40-DC Series - Outdoor IP67/IK10 Gigabit Ethernet PoE Switch w/ 12~56VDC Input



H40-022-90-DC

Features

- IP67, IK10, -40°C~ 65°C
- 30W at, 60W/95W PoH PoE output
- 2-port Gigabit 95W PoH PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H40-022-91-DC

Features

- IP67, IK10, -40°C~ 65°C
- 30W at, 60W/90W bt PoE output
- 2-port Gigabit 90W bt PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H40-044-30-DC

Features

- IP67, IK10, -40°C~ 65°C
- 4-port Gigabit 30W PoE + 2-port Gigabit SFP + 2-port Gigabit RJ45
- 6KV PoE surge protection
- 12~56VDC input power



H40-044-90-DC

Features

- IP67, IK10, -40°C~ 65°C
- 30W at, 60W/95W PoH PoE output
- 4-port Gigabit 90W bt PoE + 2-port Gigabit SFP + 2-port Gigabit RJ45
- 6KV PoE surge protection
- 12~56VDC input power



H40-044-91-DC

Features

- IP67, IK10, -40°C~ 65°C
- 30W at, 60W/90W bt PoE output
- 4-port Gigabit 90W bt PoE + 2-port Gigabit SFP + 2-port Gigabit RJ45
- 6KV PoE surge protection
- 12~56VDC input power

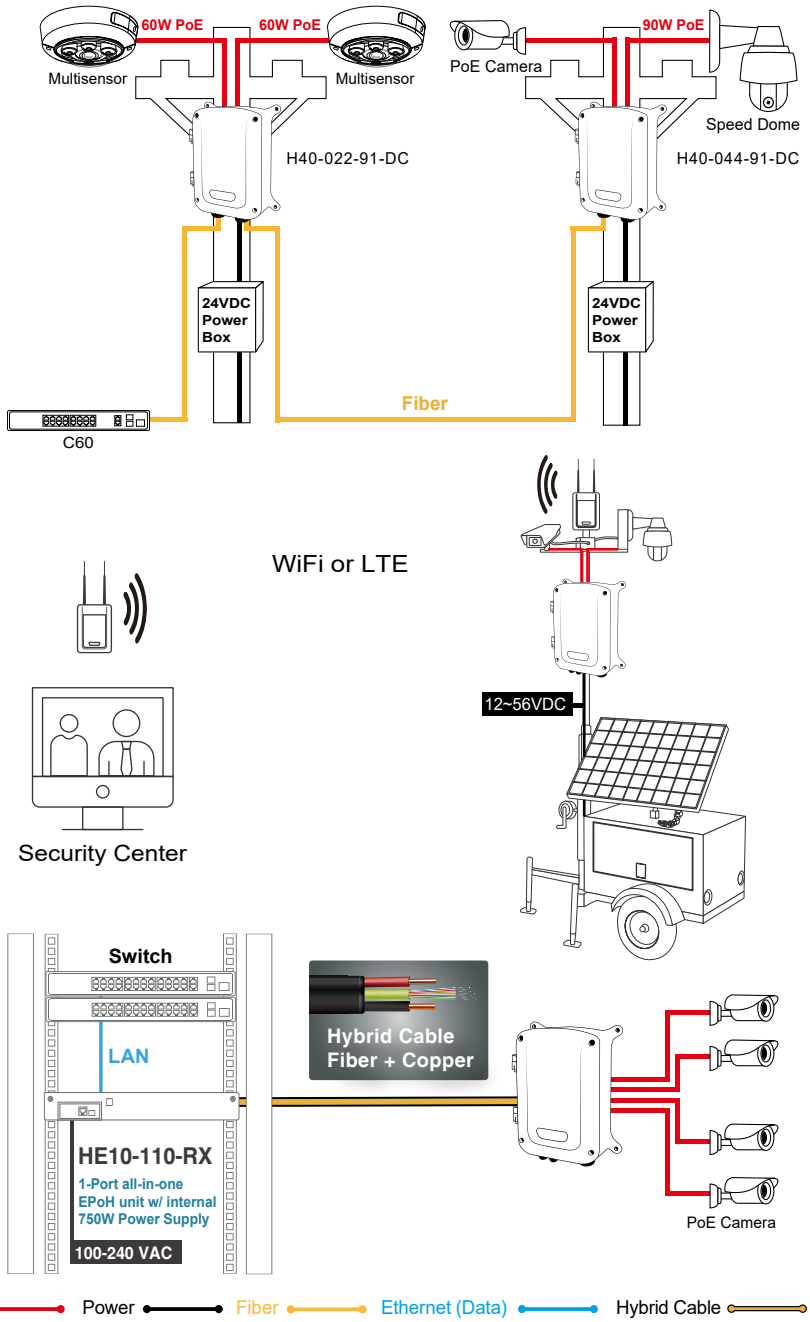


H40-082-30-DC

Features

- IP67, IK10, -40°C~ 65°C
- 8-port Gigabit 30W PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power

Applications









Indoor / Industrial PoE Switch

Indoor

C11 Series - EXPoE Switch



C11-042-30-065

Features

- 4-port 10/100Mbps 30W PoE + 2-port 10/100Mbps
- IEEE 802.3at compliant
- 4KV PoE surge protection
- EX mode “on” reaches 802.3af camera up to 250m@10Mbps
- 100~240VAC input power



C11-082-32-120

Features

- 8-port 10/100Mbps 30W PoE + 2-port Gigabit Combo (RJ45/SFP)
- IEEE 802.3at compliant
- 6KV PoE surge protection
- EX mode “on” reaches 802.3af camera up to 250m@10Mbps
- 100~240VAC input power



C11-162-31-250

Features

- 16-port 10/100Mbps 30W PoE + 2-port Gigabit Combo (RJ45/SFP)
- IEEE 802.3at compliant
- 6KV PoE surge protection
- EX mode “on” reaches 802.3af camera up to 250m@10Mbps
- 100~240VAC input power

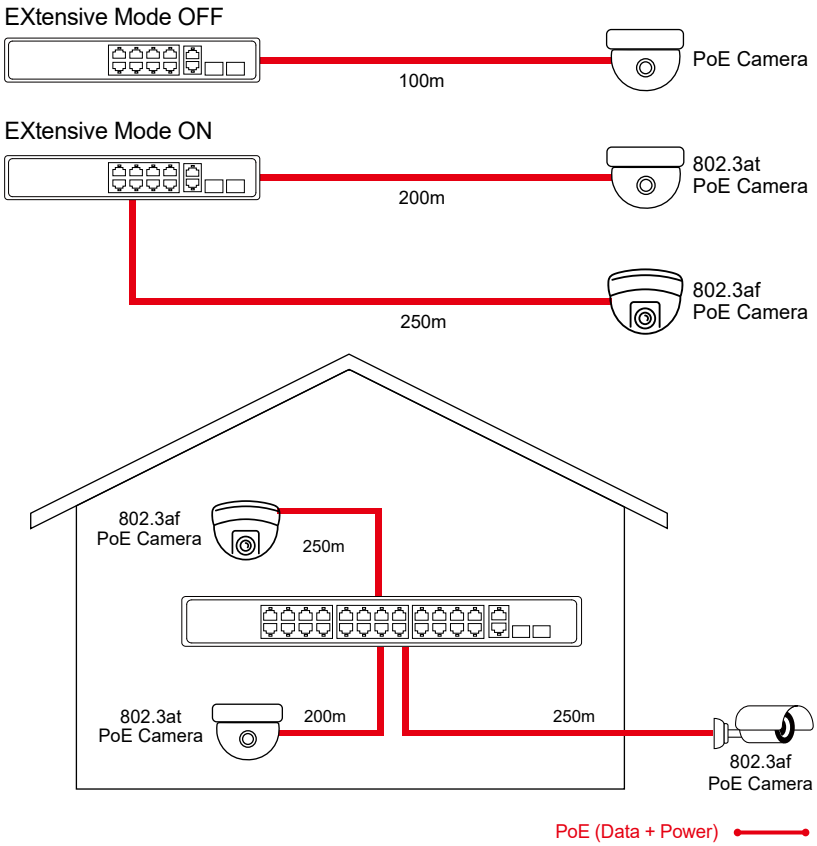


C11-242-31-380

Features

- 24-port 10/100Mbps 30W PoE + 2-port Gigabit Combo (RJ45/SFP)
- IEEE 802.3at compliant
- 6KV PoE surge protection
- EX mode “on” reaches 802.3af camera up to 250m@10Mbps
- 100~240VAC input power

Applications



Industrial

H30 Series - Industrial Gigabit Ethernet PoE Switch w/ Adjustable PoE Output



H30-042-30

Features

- 4-port Gigabit 30W PoE + 1-port Gigabit RJ45 + 1-port Gigabit SFP
- 6KV PoE surge protection
- IEEE 802.3at compliant
- -40°C~75°C operating temperature
- 48~56VDC input power



H30-044-30

Features

- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 12KV PoE surge protection
- IEEE 802.3at compliant
- -40°C~75°C operating temperature
- 48~56VDC input power



H30-044-90

Features

- 30W at, 60W/95W PoH PoE output
- 4-port Gigabit 95W PoH PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 12KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



H30-044-91

Features

- 30W at, 60W/90W bt PoE output
- 4-port Gigabit 90W bt PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 12KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power

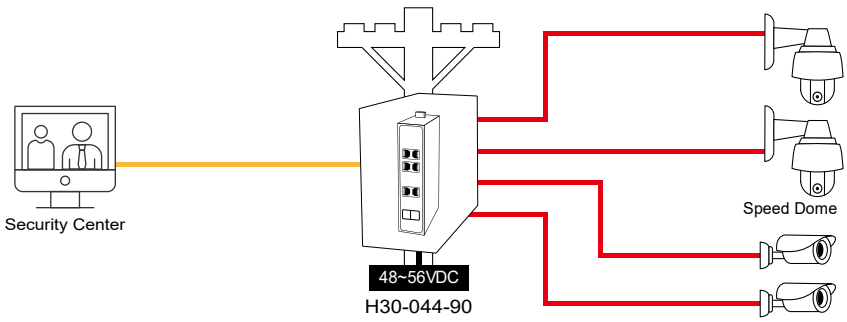


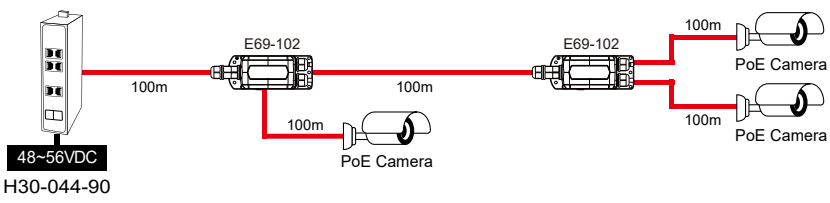
H30-082-30

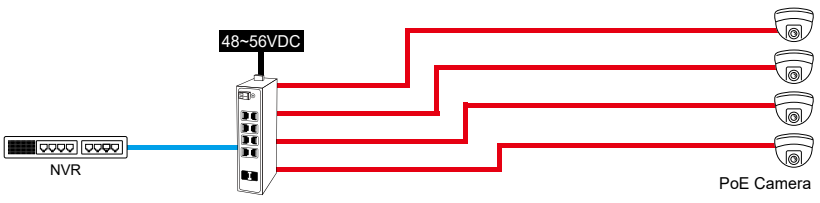
Features

- 8-port Gigabit 30W PoE + 2-port Gigabit SFP
- 12KV PoE surge protection
- IEEE 802.3at compliant
- -40°C~75°C operating temperature
- 48~56VDC input power

Applications







Indoor / Industrial PoE Switch

H32 Series - Industrial Gigabit Ethernet PoE Switch w/ Adjustable PoE Output

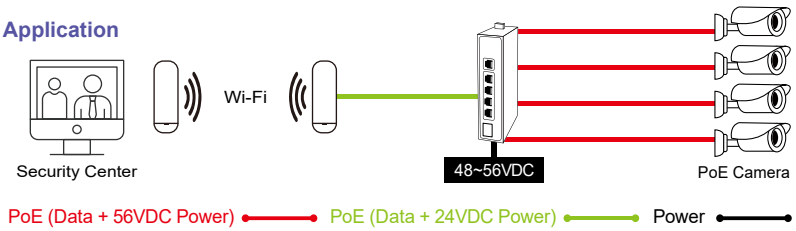


H32-042-30

Features

- 4-port Gigabit 30W PoE + **1-port Gigabit (24VDC/56VDC) PoE** + 1-port Gigabit SFP
- 6KV PoE surge protection
- IEEE 802.3at compliant
- -40°C~75°C operating temperature
- 48~56VDC input power

Application



H36 Series - Industrial Gigabit Ethernet PoE Switch w/ 12V~56VDC Input



H36-042-30

Features

- 4-port Gigabit 30W PoE + 1-port Gigabit RJ45 + 1-port Gigabit SFP
- **12V~56VDC Input Power**
- 6KV PoE surge protection
- -40°C~75°C operating temperature
- 12~56VDC input power



H36-044-90

Features

- **30W/60W/95W PoH PoE output**
- 4-port Gigabit 95W PoH PoE +2-port Gigabit RJ45 + 2-port Gigabit SFP
- **12V~56VDC Input Power**
- 12KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



H36-044-91

Features

- **30W/60W/90W bt PoE output**
- 4-port Gigabit 90W bt PoE +2-port Gigabit RJ45 + 2-port Gigabit SFP
- **12V~56VDC Input Power**
- 12KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

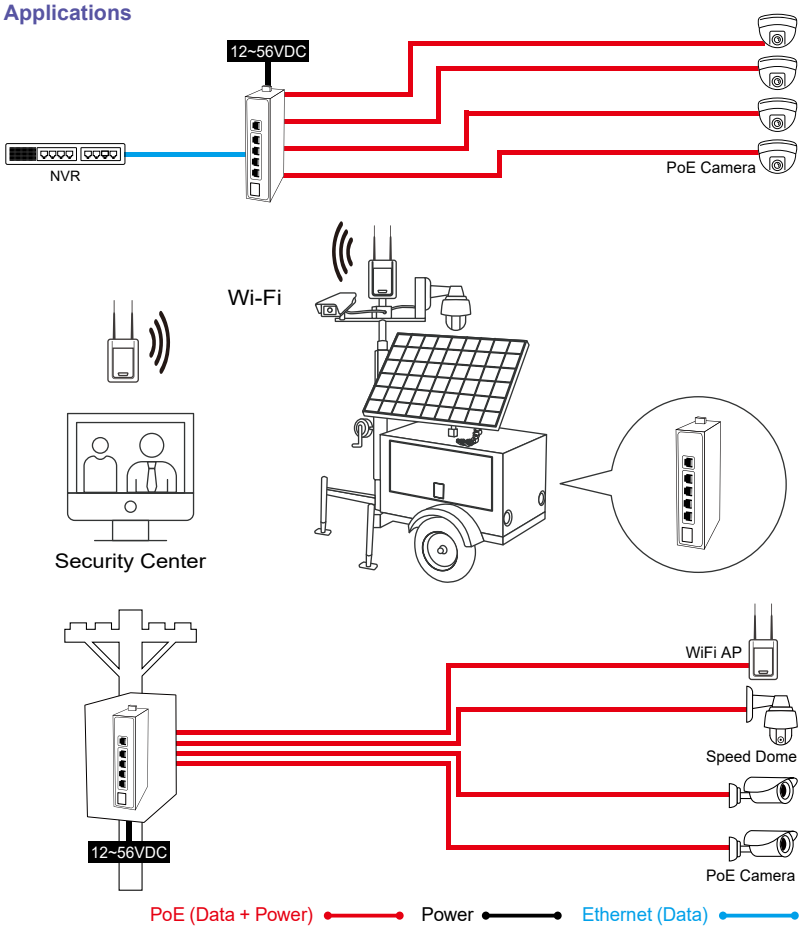


H36-082-30

Features

- 8-port Gigabit 30W PoE + 2-port Gigabit SFP
- **12V~56VDC Input Power**
- 12KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

Applications



D40 Series - Industrial Gigabit Ethernet PoE Switch



D40-044-30

Features

- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- IEEE 802.3at compliant
- -40°C~75°C operating temperature
- 48~56VDC input power



D40-044-91

Features

- **30W/60W/90W bt PoE output**
- 4-port Gigabit 90W bt PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power

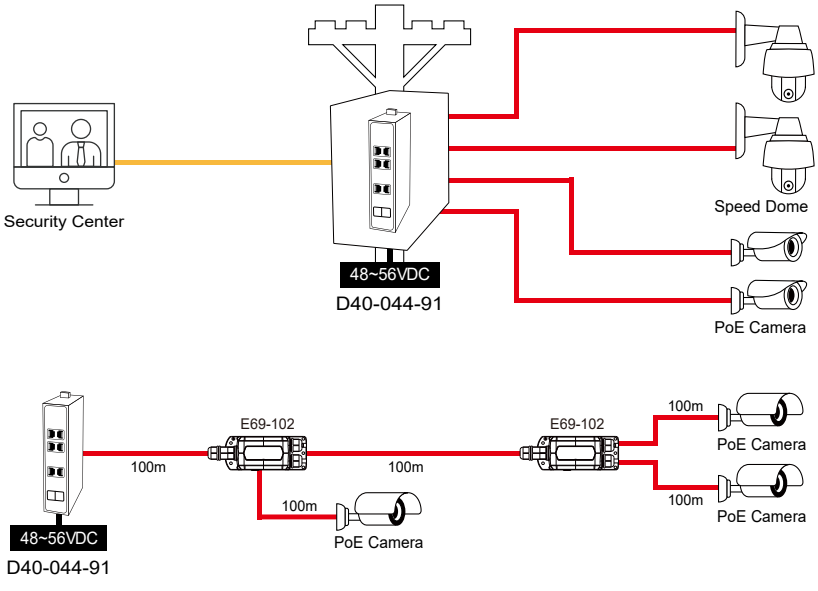


D40-082-30

Features

- 8-port Gigabit 30W PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- IEEE 802.3at compliant
- -40°C~75°C operating temperature
- 48~56VDC input power

Applications



Indoor / Industrial PoE Switch

D40-DC Series - Industrial Din-Rail Type Powered by 12-56VDC



D40-044-30-DC

Features

- 4-port Gigabit 30W PoE +2-port Gigabit RJ45 + 2-port Gigabit SFP
- **12V~56VDC Input Power**
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



D40-044-91-DC

Features

- **30W at, 60W/90W bt PoE output**
- 4-port Gigabit 90W bt PoE +2-port Gigabit RJ45 + 2-port Gigabit SFP
- **12V~56VDC Input Power**
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

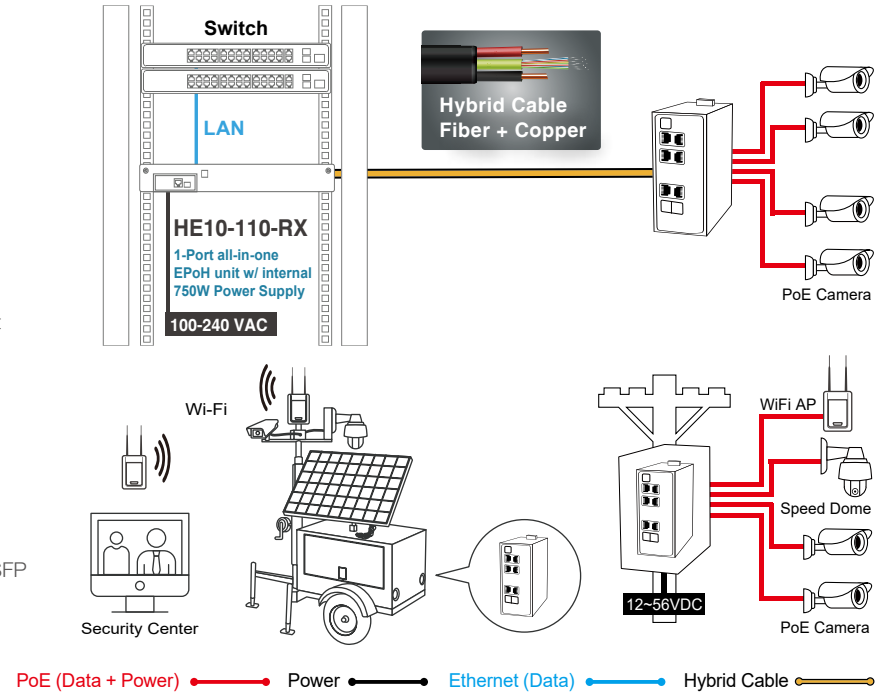


D40-082-30-DC

Features

- 8-port Gigabit 30W PoE + 2-port Gigabit SFP
- **12V~56VDC Input Power**
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

Applications



Related Products

SFP Transceiver



SFP-SX-X5
1.25G Multi-Mode SFP
850nm, 0.5KM, 0°C~70°C



SFP-SX-02
1.25G Multi-Mode SFP, LC
1310nm, 2KM, 0°C ~ 70°C



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



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



SFP-LX-80
1.25G Single-Mode SFP, LC
1310nm, 80KM, 0°C ~ 70°C



SFP-TX-X1
1000BaseT, SFP to RJ45
100M, 0°C ~ 70°C

Industrial SFP Transceiver



SFP-ISX-X5
1.25G Multi-Mode SFP
850nm, 0.5KM, -40°C ~ 85°C



SFP-ISX-02
1.25G Multi-Mode SFP, LC
1310nm, 2KM, -40°C ~ 85°C



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



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



SFP-ILX-80
1.25G Single-Mode SFP, LC
1310nm, 80KM, -40°C ~ 85°C



SFP-ITX-X1
1000BaseT, SFP to RJ45
100M, -40°C ~ 85°C

SFP+ Transceiver



SFPP-SR-X3
10G Multi-Mode SFP+LC
850nm, 0.3KM, 0°C ~ 70°C



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



SFPP-ER-40
10G Single-Mode SFP+LC
1310nm, 40KM, 0°C ~ 70°C



SFPP-ZR-80
10G Single-Mode SFP+LC
1310nm, 80KM, 0°C ~ 70°C



SFPP-TX-X03
10G, SFP+ to RJ45, 30M
0°C ~ 70°C

Industrial SFP+ Transceiver



SFPP-ISR-X3
IND 10G SFP+, MMF,
850NM, 300M



SFPP-ILR-10
IND 10G SFP+, SMF,
1310NM, 10KM



SFPP-IER-40
IND 10G SFP+, SMF,
1550NM, 40KM

BiDi SFP Transceiver



SFP-ALX-02
1.25G SFP,MMF Bi-Di,
TX:1310NM / RX:1550NM,2KM



SFP-BLX-02
1.25G SFP,MMF Bi-Di,
TX:1550NM / RX:1310NM,2KM

BiDi SFP Transceiver



SFP-ALX-20
1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-BLX-20
1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM



SFP-ALX-40
1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-BLX-40
1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM

Industrial BiDi SFP Transceiver



SFP-IALX-02
IND 1.25G SFP,MMF Bi-Di,
TX:1310NM / RX:1550NM,2KM

Related Products

Industrial BiDi SFP Transceiver



SFP-IBLX-02
IND 1.25G SFP,MMF Bi-Di,
TX:1550NM / RX:1310NM,2KM



SFP-IALX-20
IND 1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-IBLX-20
IND 1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM



SFP-IALX-40
IND 1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,40KM



SFP-IBLX-40
IND 1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,40KM

BiDi SFP+ Transceiver



SFPP-ALR-02
10G SFP,MMF Bi-Di,
TX:1270NM / RX:1330NM,2KM



SFPP-BLR-02
10G SFP,MMF Bi-Di,
TX:1330NM / RX:1270NM,2KM



SFPP-ALR-20
10G SFP,SMF Bi-Di,
TX:1270NM / RX:1330NM,20KM



SFPP-BLR-20
10G SFP,SMF Bi-Di,
TX:1330NM / RX:1270NM,20KM



SFPP-ALR-40
10G SFP,SMF Bi-Di,
TX:1270NM / RX:1330NM,40KM

BiDi SFP+ Transceiver



SFPP-BLR-40
10G SFP,SMF Bi-Di,
TX:1330NM / RX:1270NM,40KM

Pole Mount



AT-100
Pole Mount Adapter

Corner Mount



AT-101
Pole Mount Adapter



AT-200
Corner Mount Adapter

Junction Box



JB-200
Junction Box

Industrial Power Supply



NDR-75-48
Indoor Industrial Din-Rail Power Supply, 48 V AC/DC/40W
-20°C ~ 70°C



NDR-120-48
Indoor Industrial Din-Rail Power Supply, 48~55VDC/120W
-20°C ~ 70°C



NDR-240-48
Indoor Industrial Din-Rail Power Supply, 48~55VDC/240W
-20°C ~ 70°C



NDR-480-48
Indoor Industrial Din-Rail Power Supply, 48~55VDC/480W
-20°C ~ 70°C



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

Industrial Power Supply



MDR-40-48
Indoor Industrial Din-Rail Power Supply, 48 V AC/DC/40W
-20°C ~ 70°C



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



DRL-48V120W1EN
Indoor Industrial Din-Rail Power Supply
48V, 120W



DRL-48V240W1EN
Indoor Industrial Din-Rail Power Supply
48V, 240W

Fiber Splice Tray



AT-300
Fiber Splice Tray
For H40-044/082 Series
&H21-082 use.



AT-301
Fiber Splice Tray
For H80 Series use.



AT-302
Fiber Splice Tray
For H40/H42/H40-A Series use.



AT-303
Fiber Splice Tray
For H40-V3/H60 Series use.

Side opening alarm switch kit



BK-402
Side opening alarm switch kit
For H40 Series & H60 Series use.



BK-403
Side opening alarm switch kit
For H80-044-30-150
H80-084-30-250 use.



BK-404
Side opening alarm switch kit
For H40/H42/H40-A Series use.

L2 PRO PoE Switch Product Guide

L2 PoE Switch

- Outdoor IP67/IK10
- Industrial
- Indoor

10G L2 PRO Switch

- Indoor

L2 PRO PoE Switch

- Outdoor IP67/IK10
- Industrial
- Indoor







Outdoor / Industrial / Indoor L2 & L2 PRO Gigabit Ethernet PoE Switch

Outdoor PoE Switch
IP67 / IK10
Gigabit Ethernet

-DC:12~56VDC Input Power
Others:100~240VAC Input Power

	30W at PoE	60W/90W bt/PoH PoE	60W/90W bt PoE
8-port	H51-044-30-150 P27, H51-044-30-DC P28	H51-044-90-250 P27, H51-044-90-DC P28	H51-044-91-250 P27, H51-044-91-DC P28
	H60-044-30-150 P29, H60-044-30-DC P30	H60-044-90-250 P30, H60-044-90-DC P30	H60-044-91-250 P30, H60-044-91-DC P30
12-port	H51-084-30-250 P27, H51-084-30-DC P28		
	H60-084-30-250 P30, H60-084-30-DC P30		

Industrial -40~75°C
Gigabit Ethernet

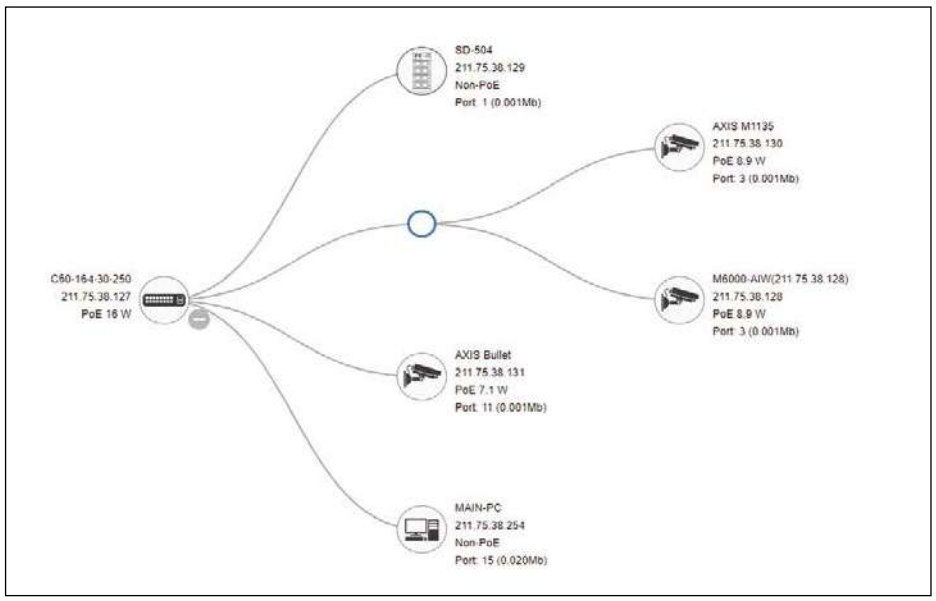
-DC:12~56VDC Input Power
Others:48~56VDC Input Power

8-port	D51-044-30 P27, D51-044-30-DC P28	D51-044-91 P27, D51-044-91-DC P28	D51-044-90 P27, D51-044-90-DC P28
	D60-044-30 P29, D60-044-30-DC P30	D60-044-91 P29, D60-044-91-DC P30	D60-044-90 P29, D60-044-90-DC P30
12-port	D51-084-30 P27, D51-084-30-DC P28		
	D60-084-30 P29, D60-084-30-DC P30		

Indoor
Gigabit Ethernet

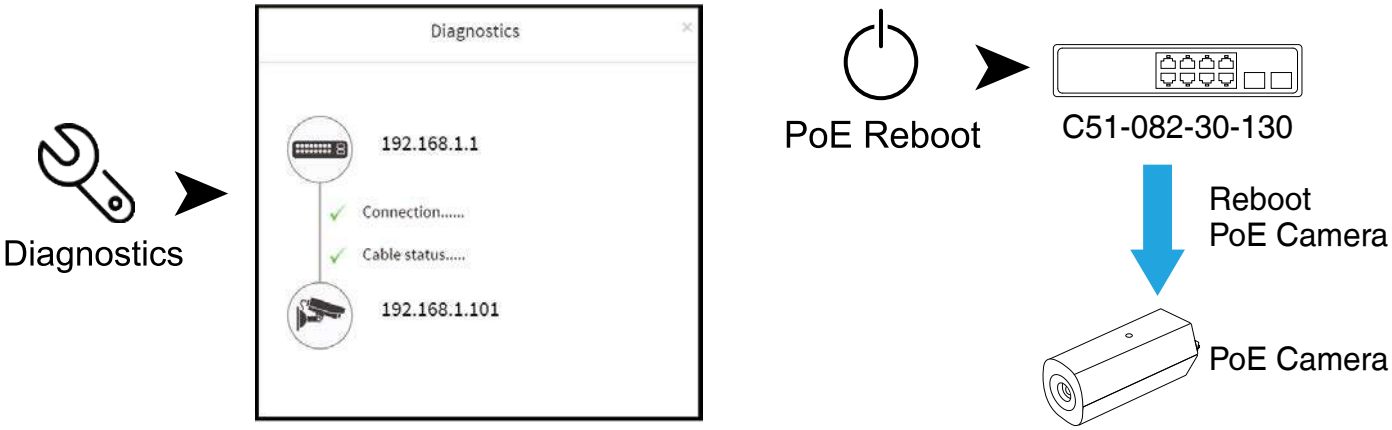
	Non - PoE	30W at PoE
10-port		C51-082-30-130 P27, C60-082-30-130 P29
12-port	C60-00B-01 P29	
20-port		C51-164-30-250 P27, C60-164-30-250 P29
28-port	C60-00F-01 P29	C51-244-30-370 P27, C60-244-30-370 P29

Network Topology System

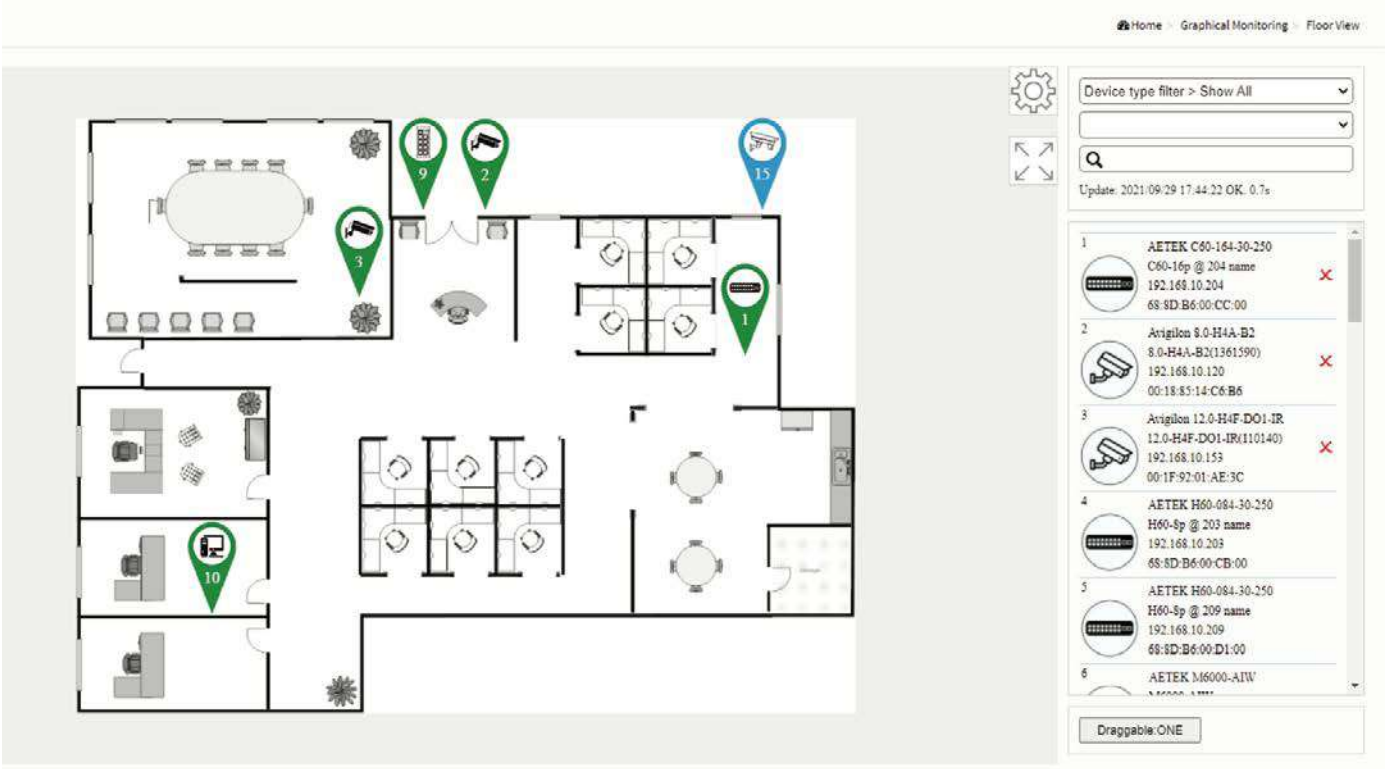


Camera Dashboard

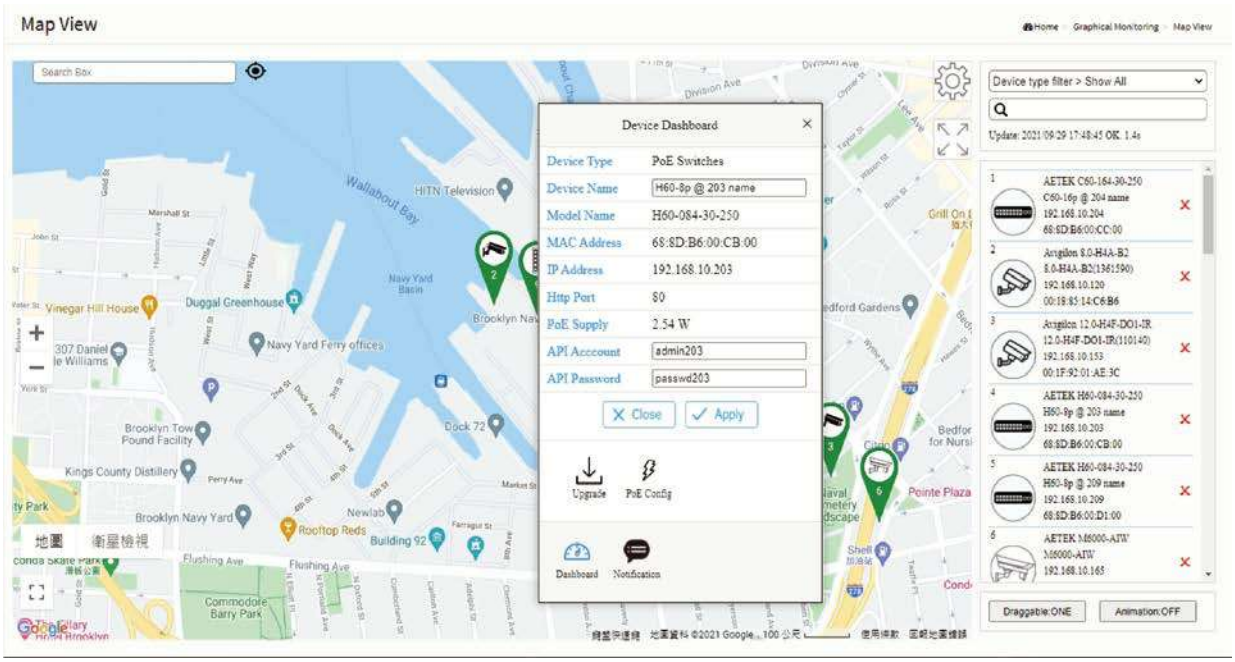




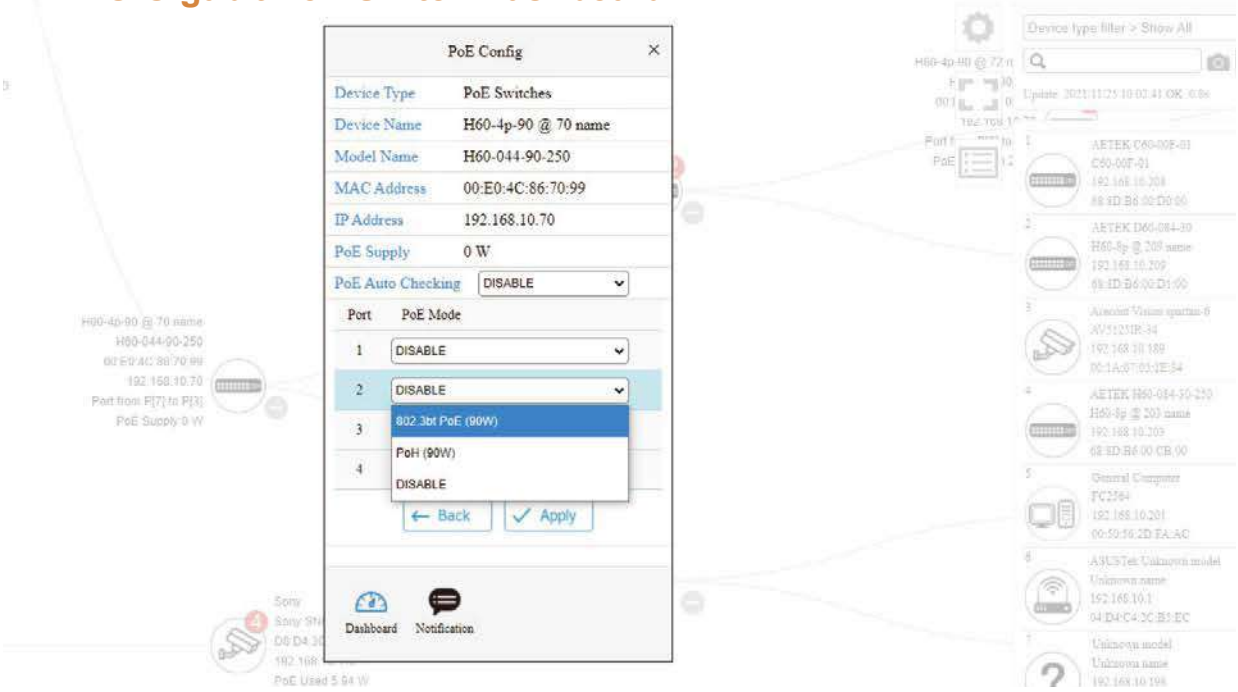
Floor Map View



Google Map View



L2 PRO Gigabit PoE Switch Dashboard



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

Outdoor / Industrial L2 & L2 PRO Gigabit Ethernet PoE Switch

C51 Series - Indoor L2 Gigabit Ethernet PoE Switch w/o Network Topology System



C51-082-30-130

Features

- **8-port Gigabit 30W PoE + 2-port Gigabit SFP**
- 6KV PoE surge protection
- IEEE 802.3at compliant
- 100~240VAC input power



C51-164-30-250

Features

- **16-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP**
- 6KV PoE surge protection
- IEEE 802.3at compliant
- 100~240VAC input power

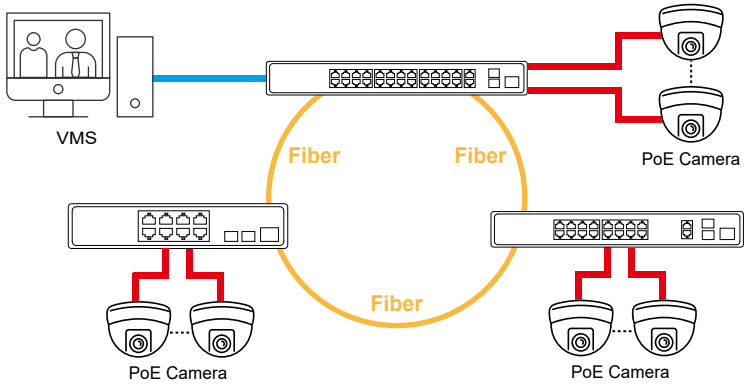


C51-244-30-370

Features

- **24-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP**
- 6KV PoE surge protection
- IEEE 802.3at compliant
- 100~240VAC input power

Application



PoE (Data + Power) — Ethernet (Data) — Fiber

D51 Series - Din-Rail Industrial L2 Gigabit Ethernet PoE Switch w/o Network Topology System



D51-044-30

Features

- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D51-044-90

Features

- **4-port Gigabit 90W bt / PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D51-044-91

Features

- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power

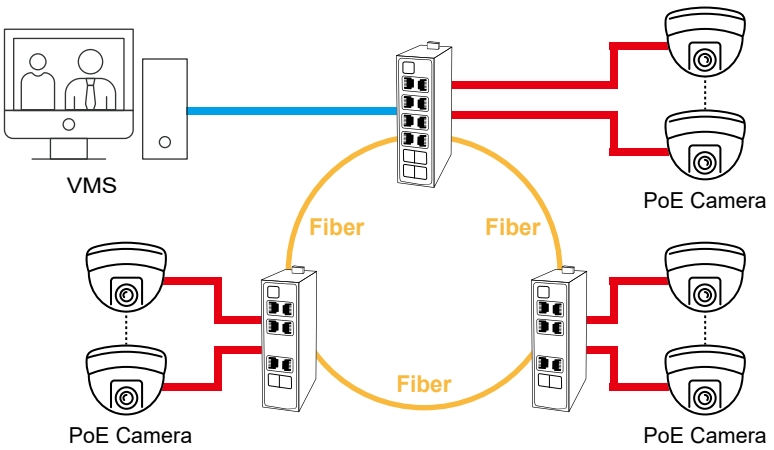


D51-084-30

Features

- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power

Application



PoE (Data + Power) — Ethernet (Data) — Fiber

H51 Series - Outdoor IP67/IK10 L2 Gigabit Ethernet PoE Switch w/o Network Topology System



H51-044-30-150

Features

- **IP67, IK10, -40°C~ 65°C**
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H51-044-90-250

Features

- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt / PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H51-044-91-250

Features

- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

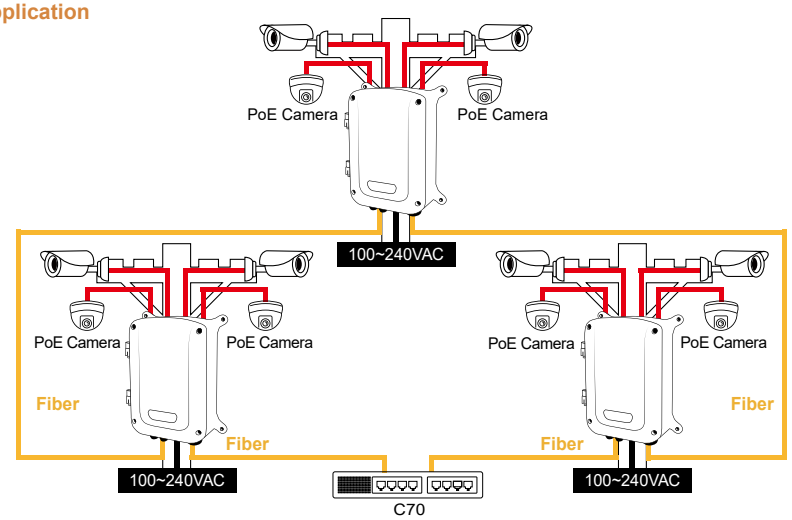


H51-084-30-250

Features

- **IP67, IK10, -40°C~ 65°C**
- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

Application



PoE (Data + Power) — Power — Fiber

Outdoor / Industrial L2 & L2 PRO Gigabit Ethernet PoE Switch

D51 Series - Din-Rail Industrial L2 Gigabit Ethernet PoE Switch by 12-56VDC w/o Network Topology System



D51-044-30-DC

Features
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



D51-044-90-DC

Features
- **4-port Gigabit 90W bt / PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



D51-044-91-DC

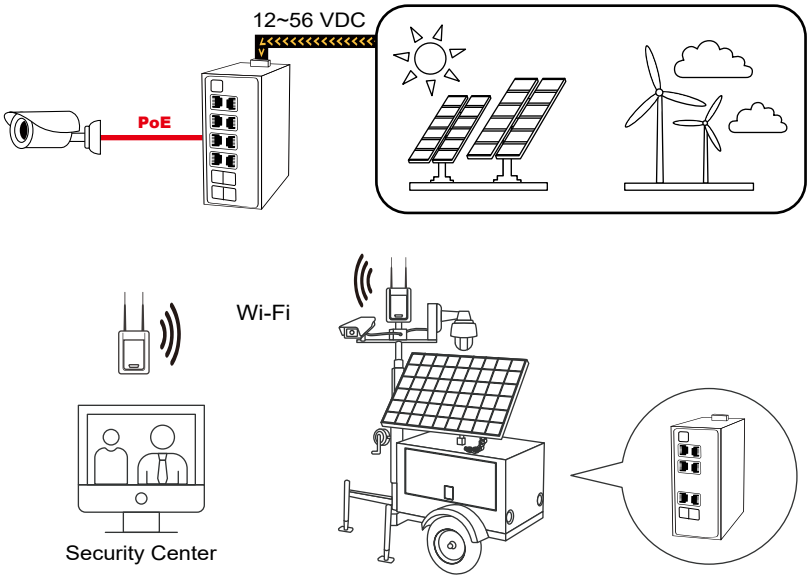
Features
- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



D51-084-30-DC

Features
- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

Application



PoE (Data + Power) — Ethernet (Data) — Power — Hybrid Cable

H51 Series - Outdoor IP67/IK10 L2 Gigabit Ethernet PoE Switch by 12-56VDC w/o Network Topology System



H51-044-30-DC

Features
- **IP67, IK10, -40°C~ 65°C**
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H51-044-90-DC

Features
- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt / PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H51-044-91-DC

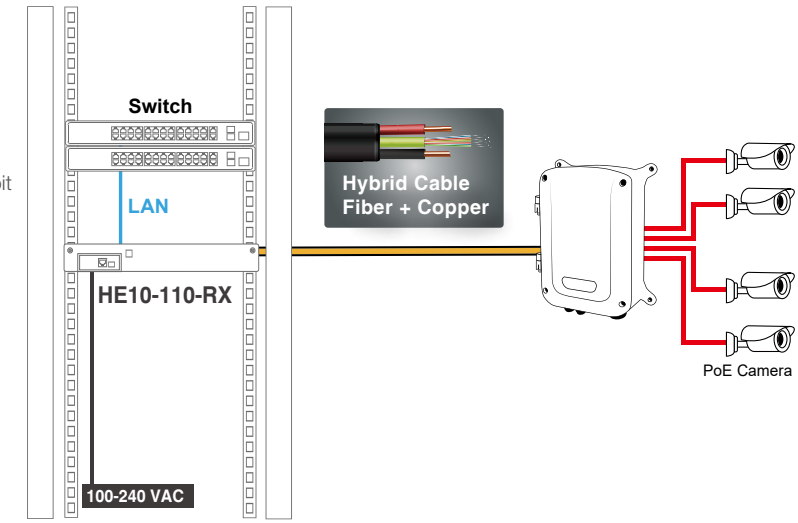
Features
- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H51-084-30-DC

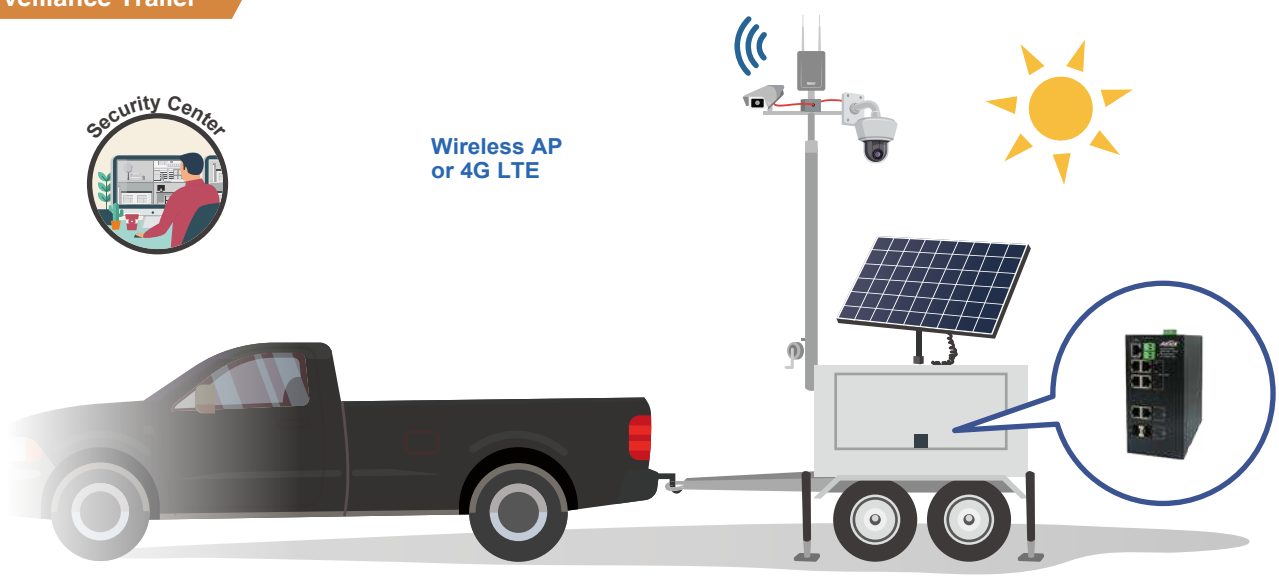
Features
- **IP67, IK10, -40°C~ 65°C**
- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power

Application



PoE (Data + Power) — Power — Fiber — Hybrid Cable

Mobile Surveillance Trailer



Outdoor / Industrial L2 PRO Gigabit Ethernet PoE Switch

C60 Series - Indoor L2 PRO 10G Ethernet Switch



C60-00B-01

Features

- **Full 10G Solution**
- Indoor 12x1G/10G SFP+
- 100-240VAC
- 0°C ~ 50°C (32°F ~ 122°F)
- 100~240VAC input power



C60-00F-01

Features

- Indoor 24-port Gigabit RJ45 + 4x1G/10G SFP+
- 100-240VAC
- 0°C ~ 50°C (32°F ~ 122°F
- 100~240VAC input power)

C60 Series - Indoor L2 PRO Gigabit Ethernet PoE Switch



C60-082-30-130

Features

- **Supports NTS**
- **8-port Gigabit 30W PoE + 2-port Gigabit SFP**
- 6KV PoE surge protection
- IEEE 802.3at compliant
- 100~240VAC input power



C60-164-30-250

Features

- **Supports NTS**
- **16-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP**
- 6KV PoE surge protection
- IEEE 802.3at compliant
- 100~240VAC input power



C60-244-30-370

Features

- **Supports NTS**
- **24-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP**
- 6KV PoE surge protection
- IEEE 802.3at compliant
- 100~240VAC input power

D60 Series - Din-Rail Industrial L2 PRO Gigabit Ethernet PoE Switch



D60-044-30

Features

- **Supports NTS**
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D60-044-90

Features

- **Supports NTS**
- **4-port Gigabit 90W bt/PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D60-044-91

Features

- **Supports NTS**
- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D60-084-30

Features

- **Supports NTS**
- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power

H60 Series - Outdoor IP67/IK10 L2 PRO Gigabit Ethernet PoE Switch

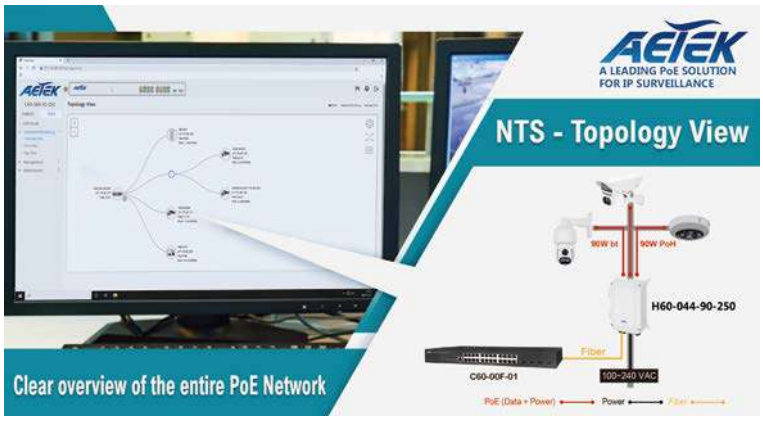


H60-044-30-150

Features

- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

Application







Outdoor / Industrial L2 PRO Gigabit Ethernet PoE Switch

H60 Series - Outdoor IP67/IK10 L2 PRO Gigabit Ethernet PoE Switch



H60-044-90-250

Features
- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt/PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H60-044-91-250

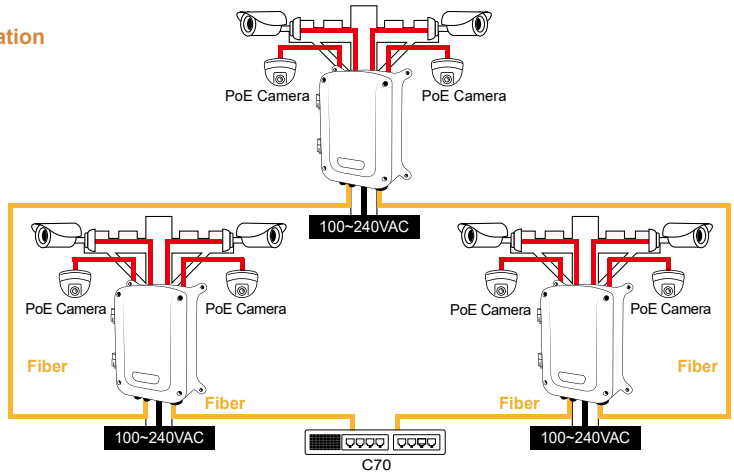
Features
- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power



H60-084-30-250

Features
- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

Application



PoE (Data + Power) — Power — Fiber

D60-DC Series - Din-Rail Industrial L2 PRO Gigabit Ethernet PoE Switch Powered by 12-56VDC



D60-044-30-DC

Features
- **Supports NTS**
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



D60-044-90-DC

Features
- **Supports NTS**
- **4-port Gigabit 90W bt/PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



D60-044-91-DC

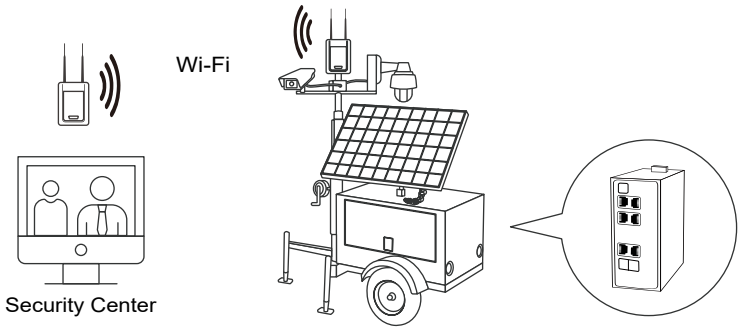
Features
- **Supports NTS**
- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



D60-084-30-DC

Features
- **Supports NTS**
- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

Application



PoE (Data + Power) — Power — Ethernet (Data) — Hybrid Cable

H60-DC Series - Outdoor IP67/IK10 L2 PRO Gigabit Ethernet PoE Switch Powered by 12-56VDC



H60-044-30-DC

Features
- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- 4-port Gigabit 30W PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H60-044-90-DC

Features
- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt/PoH PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H60-044-91-DC

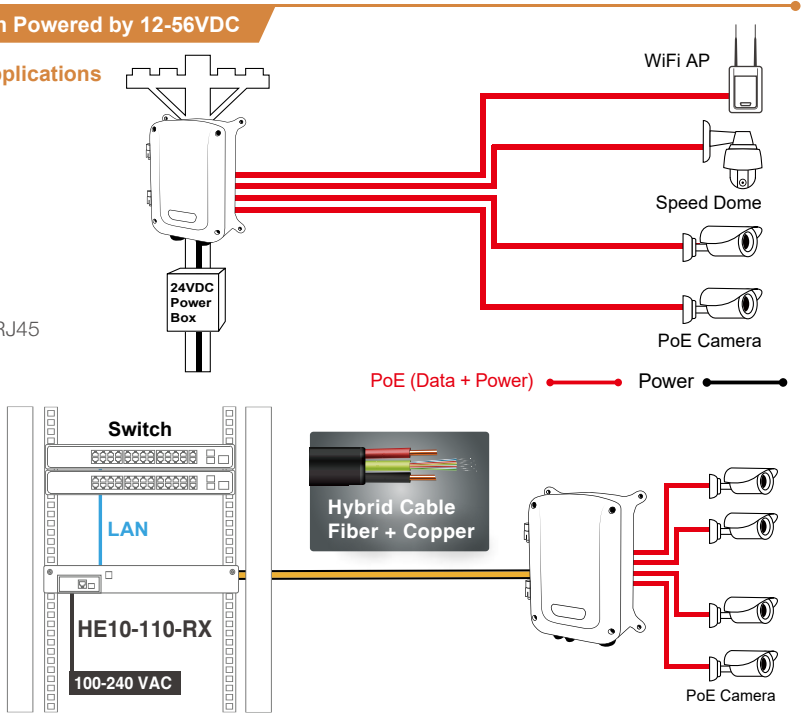
Features
- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- **4-port Gigabit 90W bt PoE** + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power



H60-084-30-DC

Features
- **Supports NTS**
- **IP67, IK10, -40°C~ 65°C**
- 8-port Gigabit 30W PoE + 4-port Gigabit SFP
- 6KV PoE surge protection
- 12~56VDC input power

Applications



PoE (Data + Power) — Power — Ethernet (Data) — Hybrid Cable

Related Products

SFP Transceiver



SFP-SX-X5
1.25G Multi-Mode SFP
850nm, 0.5KM, 0°C~70°C



SFP-SX-02
1.25G Multi-Mode SFP, LC
1310nm, 2KM, 0°C ~ 70°C



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



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



SFP-LX-80
1.25G Single-Mode SFP, LC
1310nm, 80KM, 0°C ~ 70°C



SFP-TX-X1
1000BaseT, SFP to RJ45
100M, 0°C ~ 70°C

Industrial SFP Transceiver



SFP-ISX-X5
1.25G Multi-Mode SFP
850nm, 0.5KM, -40°C ~ 85°C



SFP-ISX-02
1.25G Multi-Mode SFP, LC
1310nm, 2KM, -40°C ~ 85°C



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



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



SFP-ILX-80
1.25G Single-Mode SFP, LC
1310nm, 80KM, -40°C ~ 85°C



SFP-ITX-X1
1000BaseT, SFP to RJ45
100M, -40°C ~ 85°C

SFP+ Transceiver



SFPP-SR-X3
10G Multi-Mode SFP+LC
850nm, 0.3KM, 0°C ~ 70°C



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



SFPP-ER-40
10G Single-Mode SFP+LC
1310nm, 40KM, 0°C ~ 70°C



SFPP-ZR-80
10G Single-Mode SFP+LC
1310nm, 80KM, 0°C ~ 70°C



SFPP-TX-X03
10G, SFP+ to RJ45, 30M
0°C ~ 70°C

Industrial SFP+ Transceiver



SFPP-ISR-X3
IND 10G SFP+, MMF,
850NM, 300M



SFPP-ILR-10
IND 10G SFP+, SMF,
1310NM, 10KM



SFPP-IER-40
IND 10G SFP+, SMF,
1550NM, 40KM

BiDi SFP Transceiver



SFP-ALX-02
1.25G SFP,MMF Bi-Di,
TX:1310NM / RX:1550NM,2KM



SFP-BLX-02
1.25G SFP,MMF Bi-Di,
TX:1550NM / RX:1310NM,2KM

BiDi SFP Transceiver



SFP-ALX-20
1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-BLX-20
1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM



SFP-ALX-40
1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-BLX-40
1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM

Industrial BiDi SFP Transceiver



SFP-IALX-02
IND 1.25G SFP,MMF Bi-Di,
TX:1310NM / RX:1550NM,2KM

Industrial BiDi SFP Transceiver



SFP-IBLX-02
IND 1.25G SFP,MMF Bi-Di,
TX:1550NM / RX:1310NM,2KM



SFP-IALX-20
IND 1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-IBLX-20
IND 1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM



SFP-IALX-40
IND 1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,40KM



SFP-IBLX-40
IND 1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,40KM

BiDi SFP+ Transceiver



SFPP-ALR-02
10G SFP,MMF Bi-Di,
TX:1270NM / RX:1330NM,2KM



SFPP-BLR-02
10G SFP,MMF Bi-Di,
TX:1330NM / RX:1270NM,2KM



SFPP-ALR-20
10G SFP,SMF Bi-Di,
TX:1270NM / RX:1330NM,20KM



SFPP-BLR-20
10G SFP,SMF Bi-Di,
TX:1330NM / RX:1270NM,20KM



SFPP-ALR-40
10G SFP,SMF Bi-Di,
TX:1270NM / RX:1330NM,40KM

BiDi SFP+ Transceiver



SFPP-BLR-40
10G SFP,SMF Bi-Di,
TX:1330NM / RX:1270NM,40KM

Pole Mount



AT-100
Pole Mount Adapter

Corner Mount



AT-101
Pole Mount Adapter

AT-200
Corner Mount Adapter

Junction Box

JB-200
Junction Box

Industrial Power Supply

NDR-75-48
Indoor Industrial Din-Rail Power Supply, 48 V AC/DC/40W
-20°C ~ 70°C

NDR-120-48
Indoor Industrial Din-Rail Power Supply, 48~55VDC/120W
-20°C ~ 70°C

NDR-240-48
Indoor Industrial Din-Rail Power Supply, 48~55VDC/240W
-20°C ~ 70°C

NDR-480-48
Indoor Industrial Din-Rail Power Supply, 48~55VDC/480W
-20°C ~ 70°C

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

Related Products

Industrial Power Supply



MDR-40-48
Indoor Industrial Din-Rail Power Supply, 48 V AC/DC/40W
-20°C ~ 70°C



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



DRL-48V120W1EN
Indoor Industrial Din-Rail Power Supply
48V, 120W



DRL-48V240W1EN
Indoor Industrial Din-Rail Power Supply
48V, 240W

Fiber Splice Tray



AT-300
Fiber Splice Tray
For H40-044/082 Series &H21-082 use.



AT-301
Fiber Splice Tray
For H80 Series use.



AT-302
Fiber Splice Tray
For H40/H42/H40-A Series use.



AT-303
Fiber Splice Tray
For H40-V3/H60 Series use.

Side opening alarm switch kit



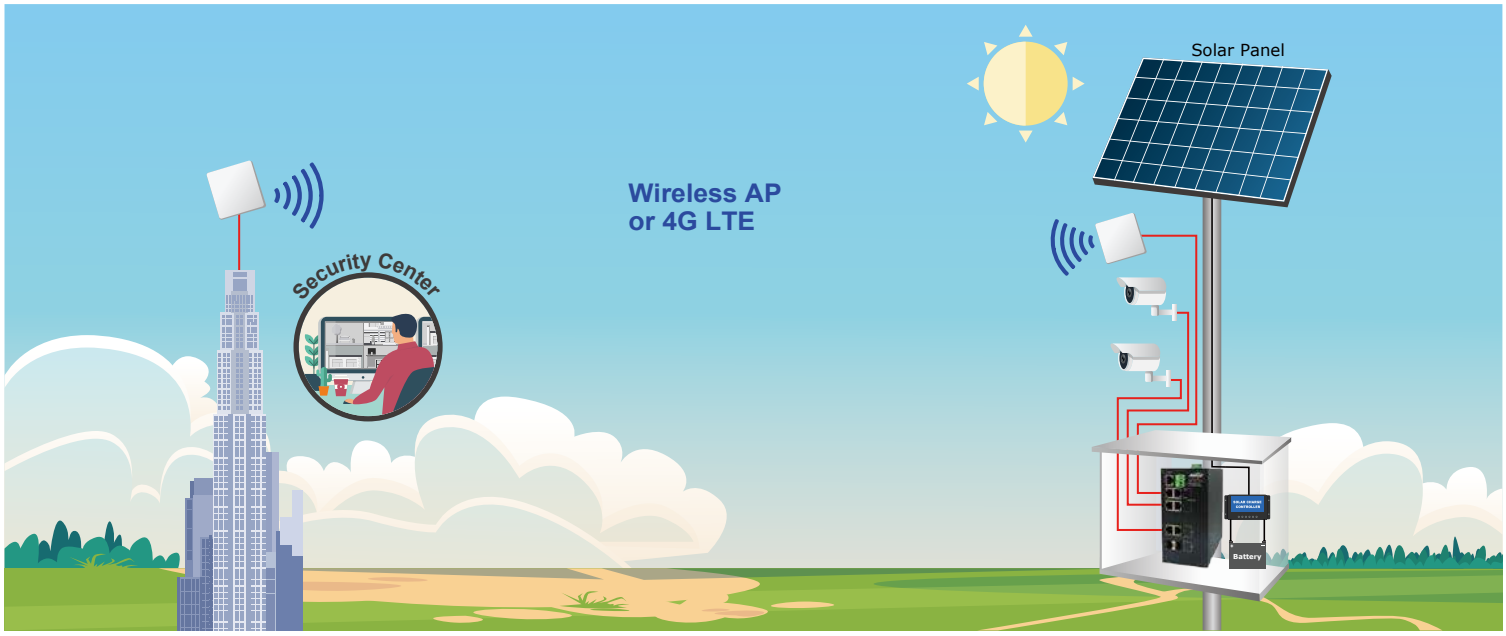
BK-402
Side opening alarm switch kit
For H40 Series & H60 Series use.

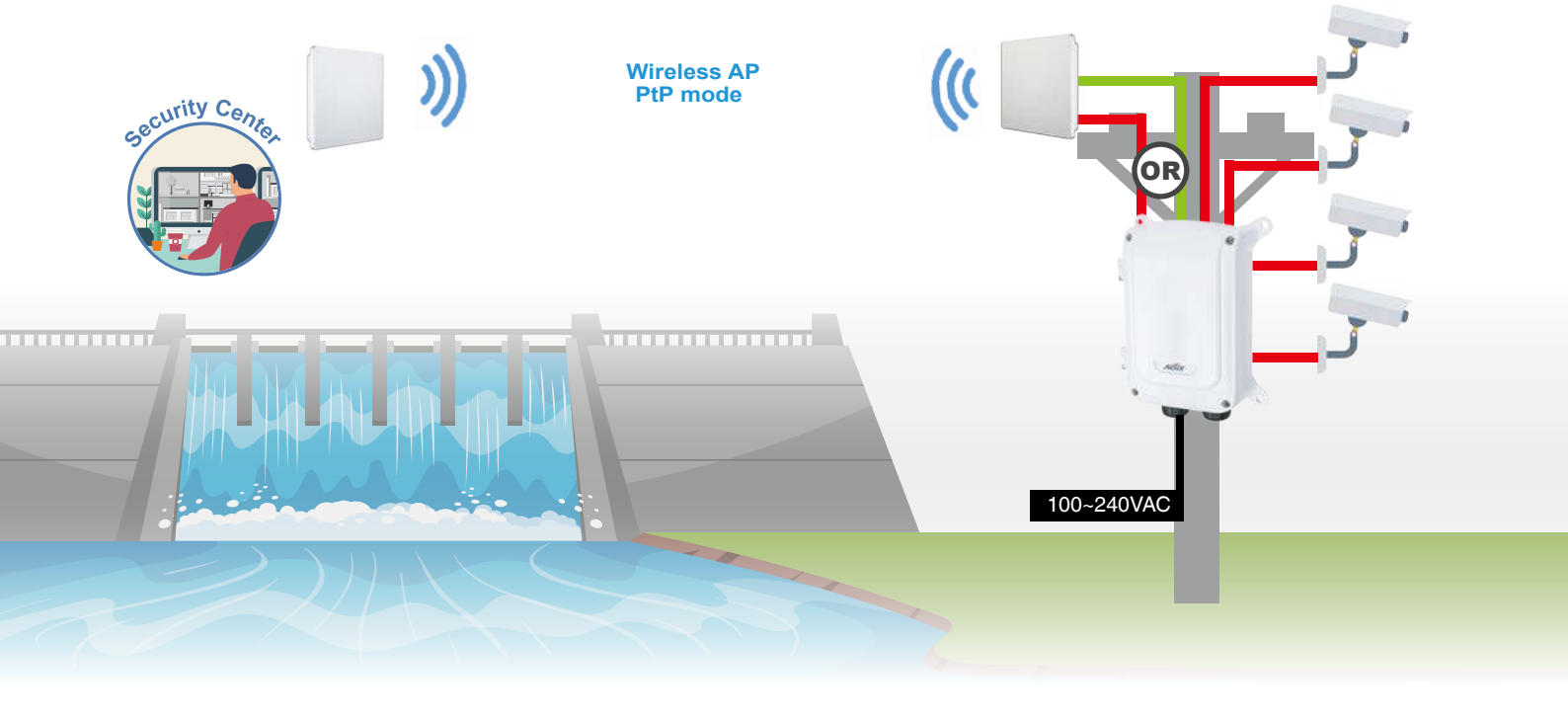


BK-403
Side opening alarm switch kit
For H80-044-30-150
H80-084-30-250 use.



BK-404
Side opening alarm switch kit
For H40/H42/H40-A Series use.





PoE Media Converter
Product Guide

Media Converter
PoE Media Converter
PoE PD Media Converter





Industrial Gigabit PoE Media Converter

Non - PoE | PoE PD | 30W at PoE | 90W bt PoE | 95W PoH PoE



M30 Series - Industrial Gigabit Media Converter



M30-011-01

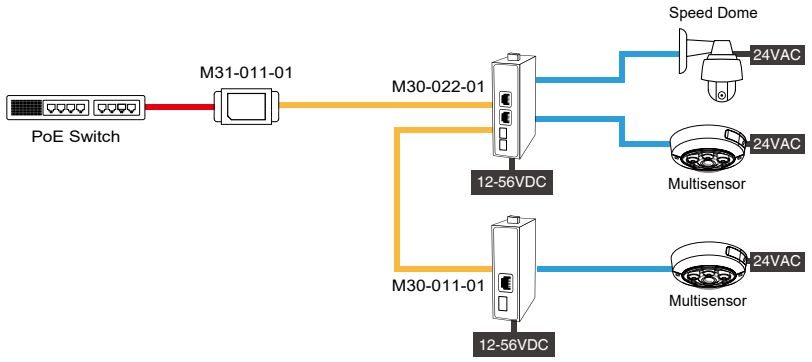
Features
- 1-port Gigabit RJ45 + 1-port Gigabit SFP
- Support LFP(Link Fault Passthrough)
- 6KV surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC or 24VAC Input Power



M30-022-01

Features
- 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

Applications



M30 Series - Industrial Gigabit PoE Media Converter



M30-011-30

Features
- 1-port Gigabit 30W PoE + 1-port Gigabit SFP
- Supports LFP(Link Fault Passthrough)
- 6KV surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



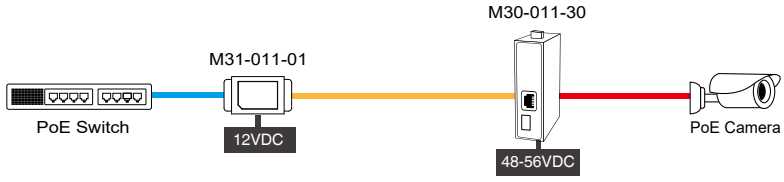
M30-022-90

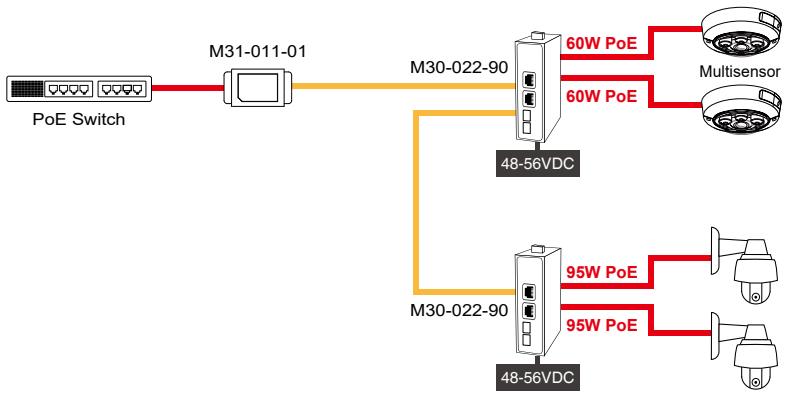
Features
- 2-port Gigabit 95W PoH PoE + 2-port Gigabit SFP
- 6KV surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



M30-022-91

Features
- 2-port Gigabit 90W bt PoE + 2-port Gigabit SFP
- 6KV surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power





M31 Series - Industrial Gigabit PoE PD Media Converter



M31-011-01

Features
- 1-port Gigabit 30W PoE PD + 1-port Gigabit SFP
- Flexible SFP transceiver port for uplink
- Supporting 10/100/1000Mbps data rates
- -40°C ~ 75°C operating temperature
- 30W PoE or 12VDC Input Power

PoE (Data + Power) | Ethernet (Data) | Fiber | Power

Related Products

SFP Transceiver



SFP-SX-X5
1.25G Multi-Mode SFP
850nm, 0.5KM, 0°C~70°C



SFP-SX-02
1.25G Multi-Mode SFP, LC
1310nm, 2KM, 0°C ~ 70°C



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



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



SFP-LX-80
1.25G Single-Mode SFP, LC
1310nm, 80KM, 0°C ~ 70°C



SFP-TX-X1
1000BaseT, SFP to RJ45
100M, 0°C ~ 70°C

Industrial SFP Transceiver



SFP-ISX-X5
1.25G Multi-Mode SFP
850nm, 0.5KM, -40°C ~ 85°C



SFP-ISX-02
1.25G Multi-Mode SFP, LC
1310nm, 2KM, -40°C ~ 85°C



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



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



SFP-ILX-80
1.25G Single-Mode SFP, LC
1310nm, 80KM, -40°C ~ 85°C



SFP-ITX-X1
1000BaseT, SFP to RJ45
100M, -40°C ~ 85°C

BiDi SFP Transceiver



SFP-ALX-02
1.25G SFP,MMF Bi-Di,
TX:1310NM / RX:1550NM,2KM



SFP-BLX-02
1.25G SFP,MMF Bi-Di,
TX:1550NM / RX:1310NM,2KM

BiDi SFP Transceiver



SFP-ALX-20
1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-BLX-20
1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM



SFP-ALX-40
1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM

BiDi SFP Transceiver



SFP-BLX-40
1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM

Industrial BiDi SFP Transceiver



SFP-IALX-02
IND 1.25G SFP,MMF Bi-Di,
TX:1310NM / RX:1550NM,2KM



SFP-IBLX-02
IND 1.25G SFP,MMF Bi-Di,
TX:1550NM / RX:1310NM,2KM



SFP-IALX-20
IND 1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,20KM



SFP-IBLX-20
IND 1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,20KM

Industrial BiDi SFP Transceiver



SFP-IALX-40
IND 1.25G SFP,SMF Bi-Di,
TX:1310NM / RX:1550NM,40KM



SFP-IBLX-40
IND 1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,40KM



SFP-IBLX-40
IND 1.25G SFP,SMF Bi-Di,
TX:1550NM / RX:1310NM,40KM

Industrial Power Supply



NDR-75-48
Indoor Industrial Din-Rail Power
Supply, 48~55VDC/75W
-20°C ~ 70°C



NDR-120-48
Indoor Industrial Din-Rail Power
Supply, 48~55VDC/120W
-20°C ~ 70°C

Industrial Power Supply



NDR-240-48
Indoor Industrial Din-Rail Power
Supply, 48~55VDC/240W
-20°C ~ 70°C

Industrial Power Supply



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



MDR-40-48
Indoor Industrial Din-Rail Power
Supply, 48 V AC/DC/40W
-20°C ~ 70°C

Accessories



CH-110-V2

- 19'', 1U 8-bay rack mount chassis
- For M31-011-01 use

Gigabit PoE Injector

Indoor Gigabit 60W/90W/95W PoE Injector

Outdoor IP67/IK10 Gigabit 60W/90W/95W PoE Injector

Industrial Gigabit 90W/95W PoE Injector









Gigabit PoE Injector

60W bt PoE | 60W PoH PoE | 90W bt PoE | 95W PoH PoE

PoE Injector Gigabit

- Indoor
  -  I36-210 P37
  -  I36-200 P37
  -  I39-210 P37
  -  I39-200 P37
- Outdoor IP67/IK10
  -  I46-210 P37
  -  I46-200 P37
  -  I46-201-A P37
  -  I49-210 P38
  -  I49-200 P38
  -  I49-201-A P38
- Industrial
  -  I69-210 P38
  -  I69-216 P38
  -  I69-200 P38
  -  I69-206 P38

I36 Series - Indoor Gigabit 60W PoE Injector



I36-200

Features

- 60W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- IEEE 802.3at/af compliant
- 100~240VAC input power

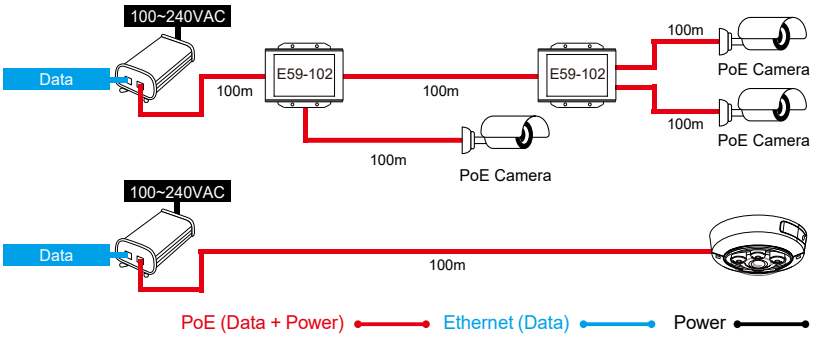


I36-210

Features

- 60W bt PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- IEEE 802.3bt/at/af compliant
- 100~240VAC input power

Applications



I39 Series - Indoor Gigabit 90W/95W PoE Injector



I39-200

Features

- 95W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- IEEE 802.3at/af compliant
- 100~240VAC input power

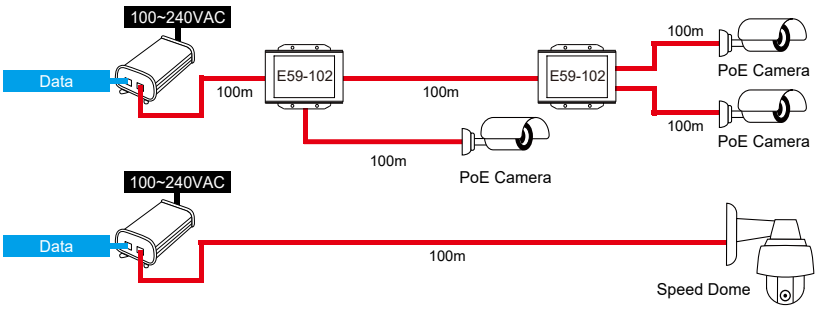


I39-210

Features

- 90W bt PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- IEEE 802.3bt/at/af compliant
- 100~240VAC input power

Applications



I46 Series - IP67/IK10 Gigabit 60W PoE Injector



I46-200

Features

- IP67, IK10, -40°C~65°C
- 60W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 100~240VAC input power



I46-201-A

Features

- IP67, IK10, -40°C~65°C
- 60W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- For Avigilon PTZ/IR PTZ/Multisensor
- 100~240VAC input power

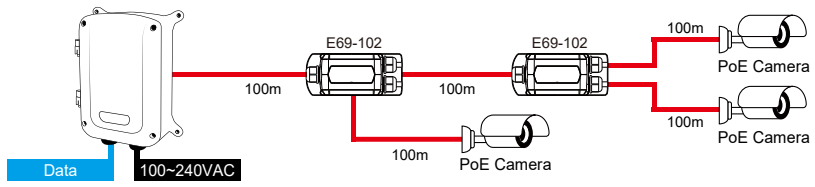


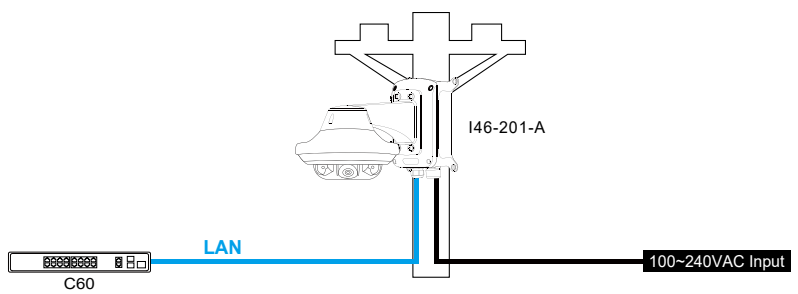
I46-210

Features

- IP67, IK10, -40°C~65°C
- 60W bt PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 100~240VAC input power

Applications





Gigabit PoE Injector

I49 Series - IP67/IK10 Gigabit 95W PoE Injector



I49-200

Features

- IP67, IK10, -40°C ~ 65°C
- 95W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 100~240VAC input power



I49-201-A

Features

- IP67, IK10, -40°C ~ 65°C
- 95W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- For Avigilon PTZ/IR PTZ/Multisensor
- 100~240VAC input power

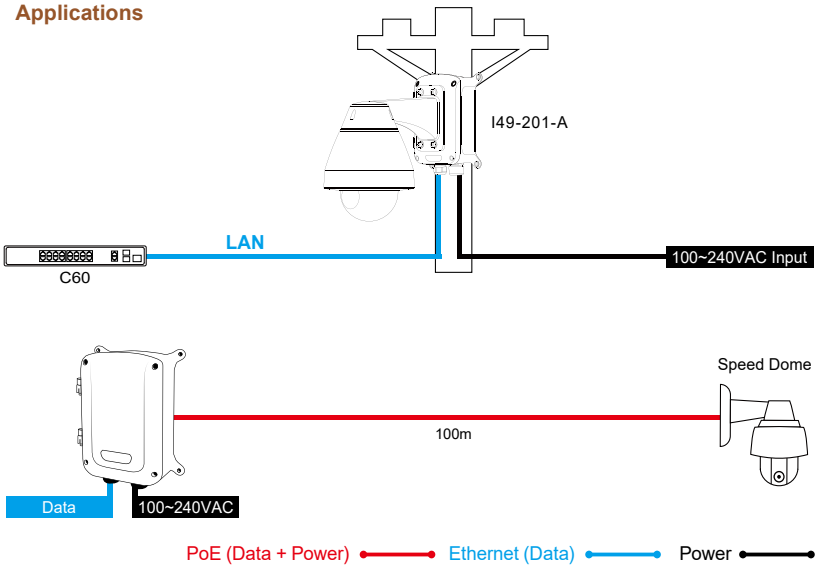


I49-210

Features

- IP67, IK10, -40°C ~ 65°C
- 90W bt PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 100~240VAC input power

Applications



I69 Series - Industrial Gigabit 90W/95W PoE Injector



I69-200

Features

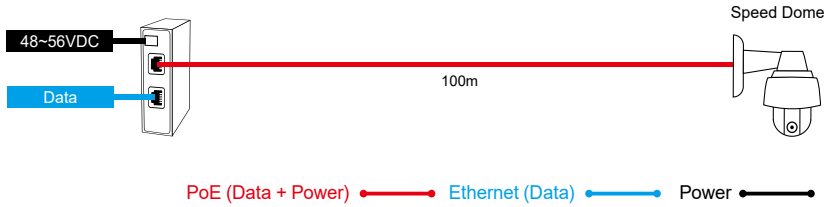
- -40°C ~ 75°C operating temperature
- 95W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 48~56VDC input power



I69-210

Features

- -40°C ~ 75°C operating temperature
- 90W bt PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 48~56VDC input power



I69 Series - Industrial Gigabit 90W/95W PoE Injector w/ 12~56VDC Input



I69-206

Features

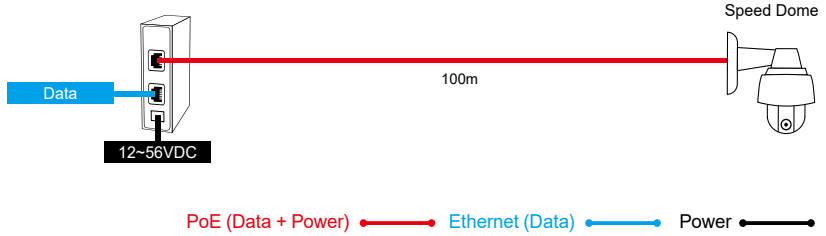
- -40°C ~ 75°C operating temperature
- 95W PoH PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 12~56VDC input power



I69-216

Features

- -40°C ~ 75°C operating temperature
- 90W bt PoE output
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- 12~56VDC input power



Related Products

Pole Mount	Corner Mount		Junction Box
 AT-100 Pole Mount Adapter	 AT-101 Pole Mount Adapter	 AT-200 Corner Mount Adapter	 JB-200 Junction Box

Industrial Power Supply				
 NDR-75-48 Indoor Industrial Din-Rail Power Supply, 48 V AC/DC/40W -20°C ~ 70°C	 NDR-120-48 Indoor Industrial Din-Rail Power Supply, 48~55VDC/120W -20°C ~ 70°C	 NDR-240-48 Indoor Industrial Din-Rail Power Supply, 48~55VDC/240W -20°C ~ 70°C	 NDR-480-48 Indoor Industrial Din-Rail Power Supply, 48~55VDC/480W -20°C ~ 70°C	 MDR-10-12 Indoor Industrial Din-Rail Power Supply, 12 V AC/DC/10W -20°C ~ 70°C

Industrial Power Supply				
 MDR-40-48 Indoor Industrial Din-Rail Power Supply, 48 V AC/DC/40W -20°C ~ 70°C	 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	 DRL-48V120W1EN Indoor Industrial Din-Rail Power Supply 48V, 120W	 DRL-48V240W1EN Indoor Industrial Din-Rail Power Supply 48V, 240W

Gigabit PoE Extender

Indoor Gigabit 90W PoE Extender

Outdoor IP67/IK10 Gigabit 90W PoE Extender

Indoor Gigabit 90W PoE Extender Plus

Outdoor IP67/IK10 Gigabit 90W PoE Extender Plus

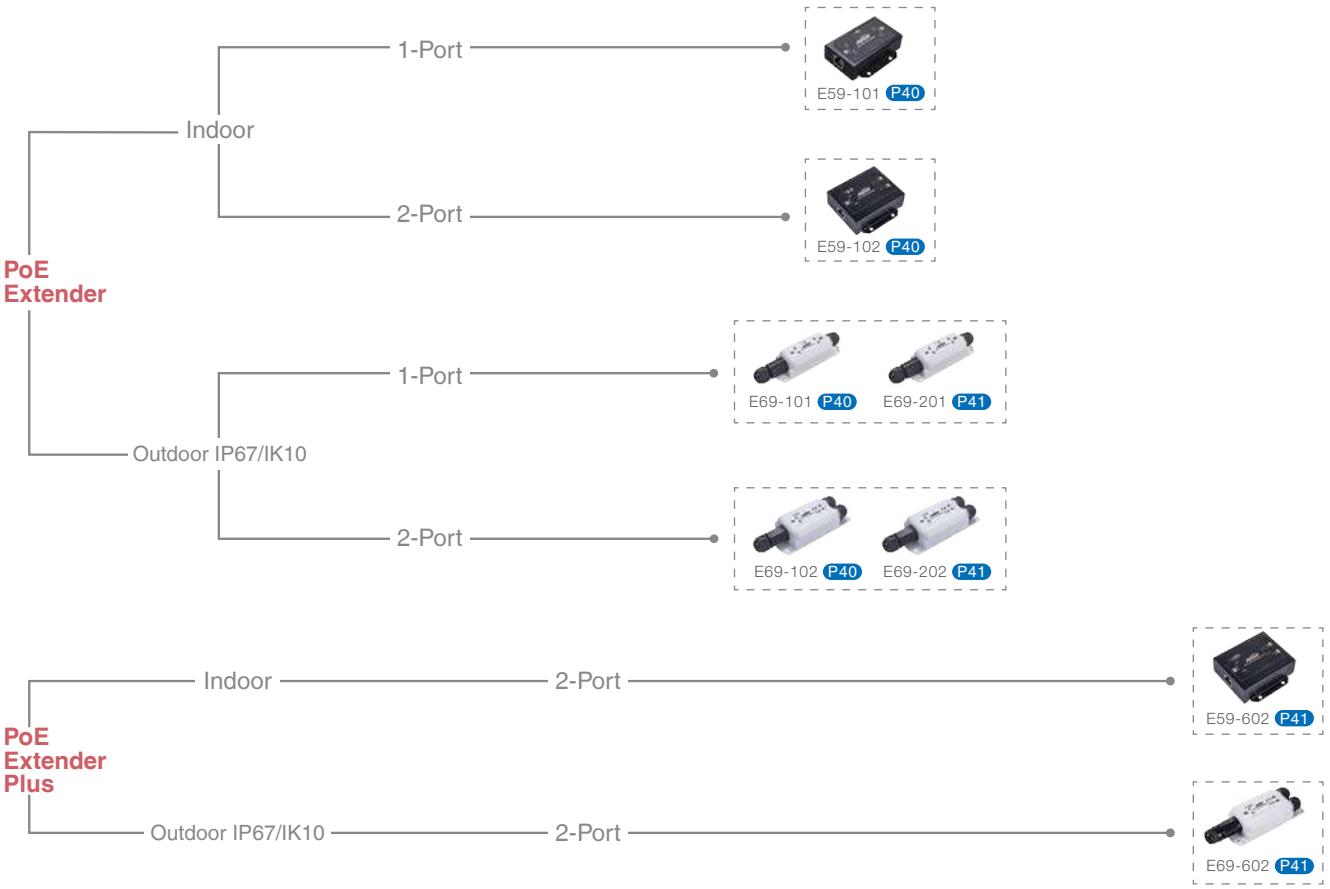






Gigabit PoE Extender

90W bt PoE | 90W bt PoE w/ Voltage Booster



E59 Series - Indoor Gigabit 90W PoE Extender

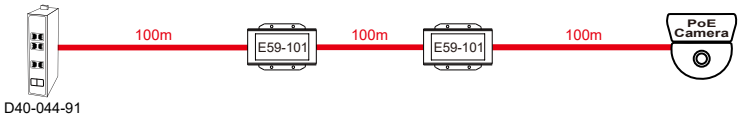


E59-101

Features

- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 1-port Gigabit Passive PoE output (Compliant 802.3af)
- 6KV Surge protection
- Drives the reach beyond restricted 100m Ethernet distance

Application



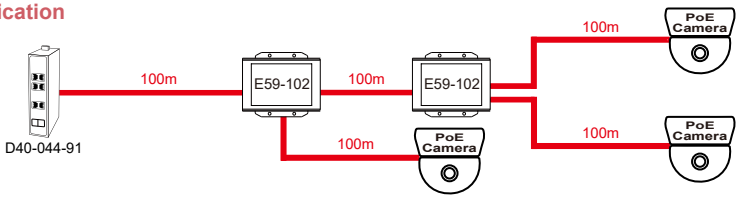


E59-102

Features

- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 2-port Gigabit Passive PoE output (Compliant 802.3af)
- 6KV Surge protection
- Drives the reach beyond restricted 100m Ethernet distance

Application



E69 Series - Outdoor IP67/IK10 Gigabit 90W PoE Extender

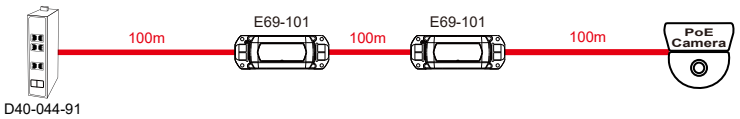


E69-101

Features

- **IP67, IK10, -40°C ~ 65°C**
- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 1-port Gigabit Passive PoE output (Compliant 802.3af)
- 6KV Surge protection
- Operating temperature: -40°C ~ 65°C
- Drives the reach beyond restricted 100m Ethernet distance

Application



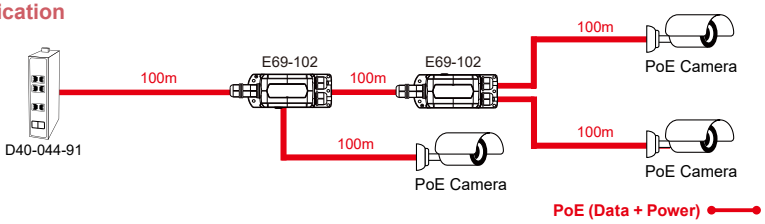


E69-102

Features

- **IP67, IK10, -40°C ~ 65°C**
- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 2-port Gigabit Passive PoE output (Compliant 802.3af)
- 6KV Surge protection
- Operating temperature: -40°C ~ 65°C
- Drives the reach beyond restricted 100m Ethernet distance

Application



Gigabit PoE Extender

E69 Series - Outdoor IP67/IK10 IEEE 802.3bt PoE++ to IEEE 802.3af/at/bt PoE++ Extender

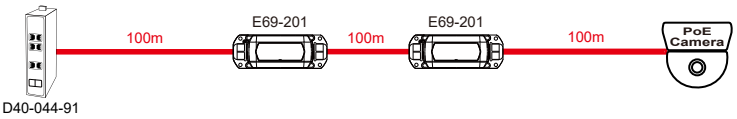


E69-201

Features

- **IP67, IK10, -40°C ~ 65°C**
- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 1-port Gigabit **802.3af/at/bt PoE++ output**
- IEEE 802.3af/at/bt compliant
- 6KV Surge protection
- Operating temperature: -40°C ~ 65°C
- Drives the reach beyond restricted 100m Ethernet distance

Application



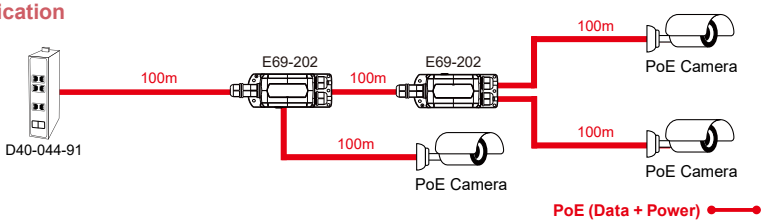


E69-202

Features

- **IP67, IK10, -40°C ~ 65°C**
- 1-port Gigabit **30W/60W/90W bt PoE++ input** + 2-port Gigabit **802.3af/at/bt PoE++ output**
- IEEE 802.3af/at/bt compliant
- 6KV Surge protection
- Operating temperature: -40°C ~ 65°C
- Drives the reach beyond restricted 100m Ethernet distance

Application



E59 Series - Indoor Gigabit 90W PoE Extender Plus

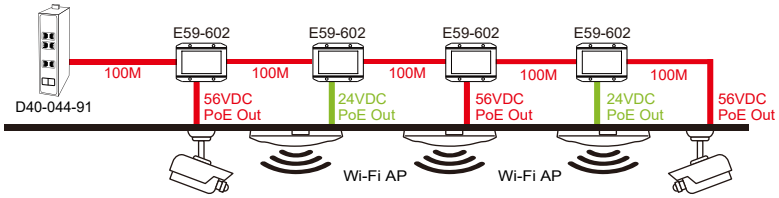


E59-602

Features

- **Voltage Booster**
- 1-port Gigabit **30W/60W/90W bt PoE input** + 1-port Gigabit 56VDC Passive PoE output + (Compliant 802.3af PoE) 1-port Gigabit **24VDC or 56VDC** Passive PoE output
- Drives the reach beyond restricted 100m Ethernet distance

Application



E69 Series - Outdoor IP67/IK10 Gigabit 90W PoE Extender Plus

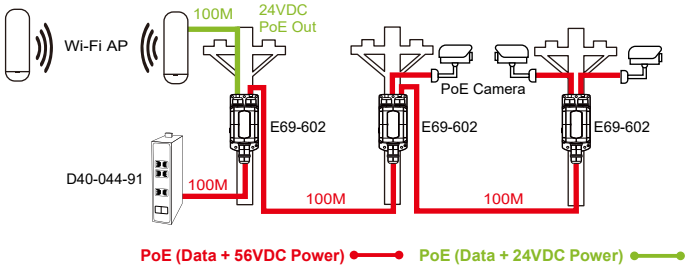


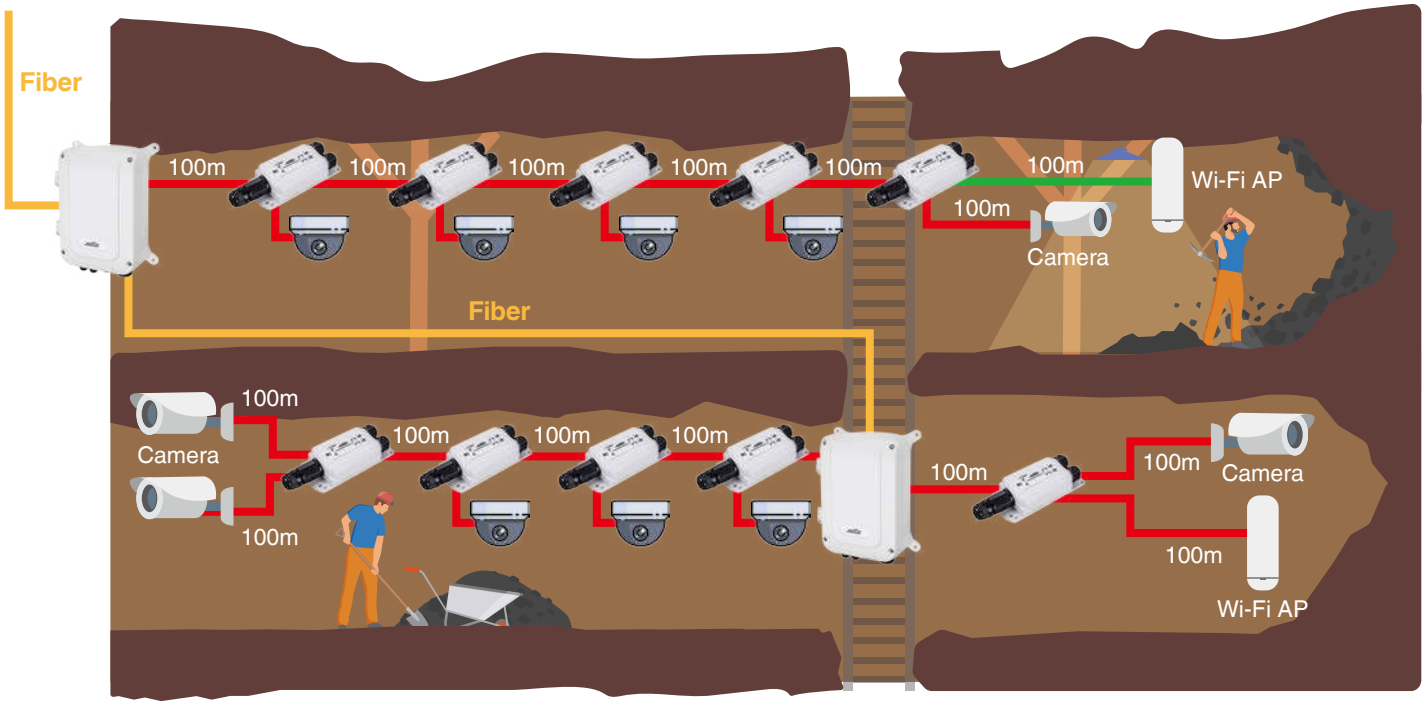
E69-602

Features

- **IP67, IK10, -40°C ~ 65°C**
- **Voltage Booster**
- 1-port Gigabit **30W/60W/90W bt PoE input** + 1-port Gigabit 56VDC Passive PoE output + (Compliant 802.3af PoE) 1-port Gigabit **24VDC or 56VDC** Passive PoE output
- Drives the reach beyond restricted 100m Ethernet distance

Application





Fiber — PoE (Data + Power) — 24VDC PoE (Data + Power)

Gigabit PoE Surge Protector

1-CH Gigabit 802.3 bt/at/af PoE Surge Protector

4-CH/24-CH Gigabit 802.3 bt/at/af PoE Surge Protectors

4-CH/24-CH IP Managed Gigabit 802.3 bt/at/af PoE Surge Protectors





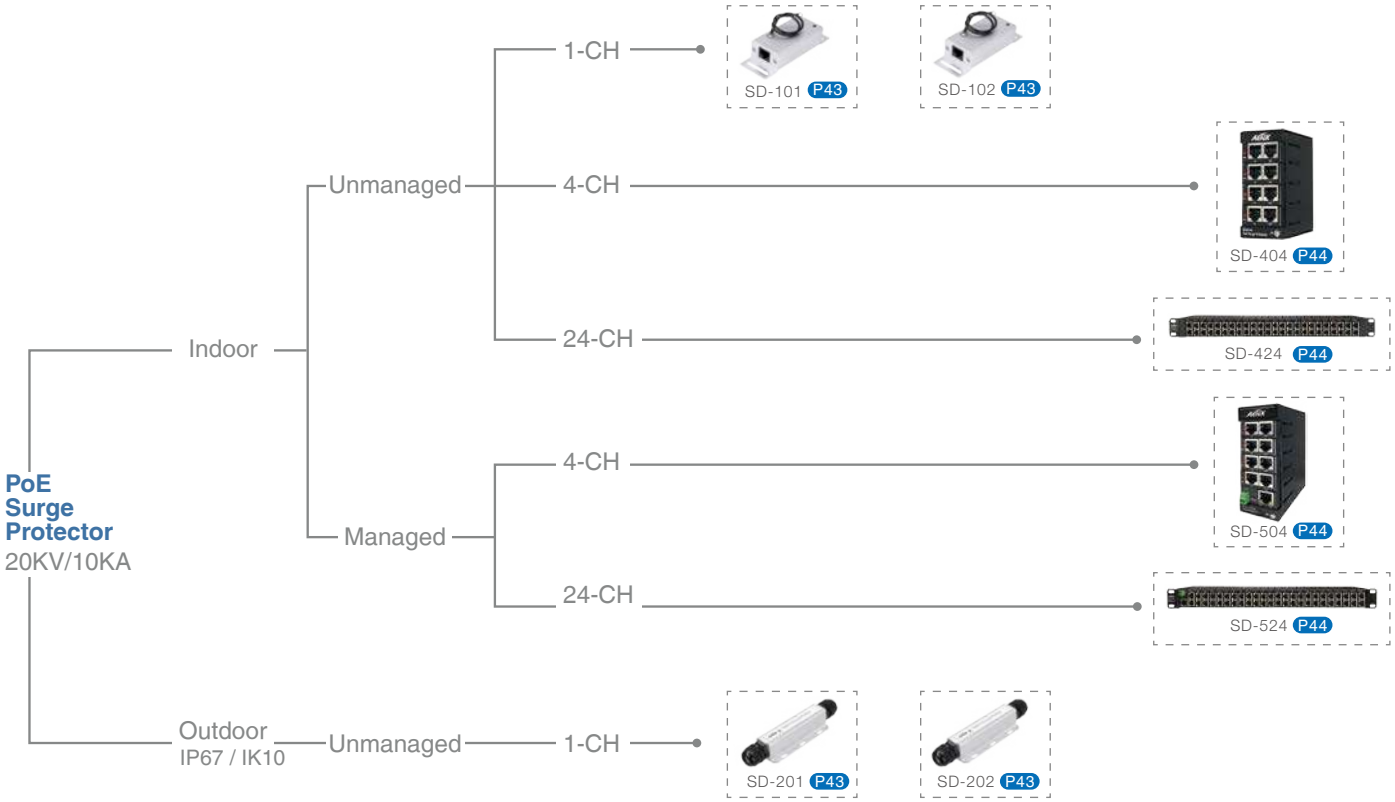






Gigabit PoE Surge Protector

1G/2.5Gbps | 10Gbps | 1G/2.5Gbps Modulars



SD Series - Indoor Gigabit 90W/95W PoE Surge Protector



SD-101

Features

- Supports 10M/100M/1G/2.5G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Failure LED indicator
- Operating temperature between -40°C to 85 °C

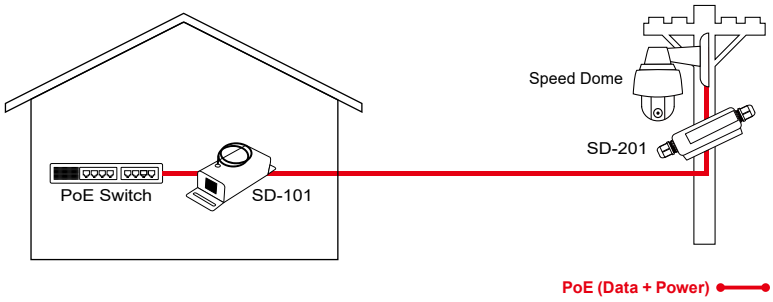


SD-102

Features

- Supports 10M/100M/1G/2.5G/10G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Failure LED indicator
- Operating temperature between -40°C to 85 °C

Applications



SD Series - Outdoor IP67/IK10 Gigabit 90W/95W PoE Surge Protector



SD-201

Features

- **IP67, IK10, -40°C ~ 85°C**
- Supports 10M/100M/1G/2.5G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Failure LED indicator
- Operating temperature between -40°C to 85 °C

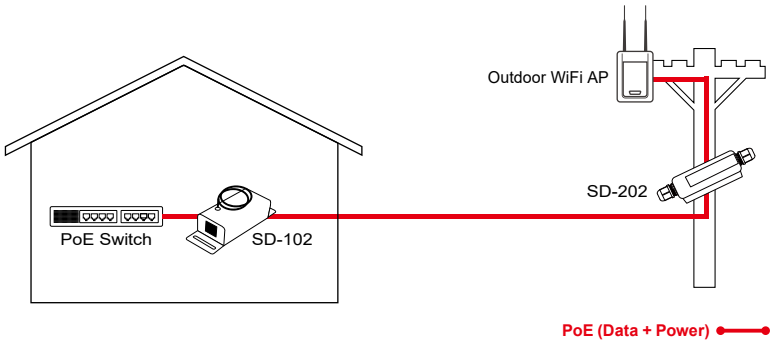


SD-202

Features

- **IP67, IK10, -40°C ~ 85°C**
- Supports 10M/100M/1G/2.5G/10G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Failure LED indicator
- Operating temperature between -40°C to 85 °C

Applications



Gigabit PoE Surge Protector

SD Series - Modular Gigabit 90W/95W PoE Surge Protector



SD-404

Features

- 4-CH PoE Surge Protectors
- Din-rail installation, Slide-in modular design
- Quick swap when Lifetime of single PoE surge module is expired
- Supports 10M/100M/1G/2.5G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Operating temperature between -40°C to 85 °C



SD-424

Features

- 24-CH PoE Surge Protectors
- 1U,19" Rack Mount, Slide-in modular design
- Quick swap when Lifetime of single PoE surge module is expired
- Supports 10M/100M/1G/2.5G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Operating temperature between -40°C to 85 °C

SD Series - IP Managed Modular Gigabit 90W/95W PoE Surge Protectors



SD-504

Features

- Web UI Setup & lifetime detection
- Alarm log event
- 4-CH PoE Surge Protectors
- Quick swap when lifetime of single PoE surge module is expired
- Supports 10M/100M/1G/2.5G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Operating temperature between -40°C to 75 °C

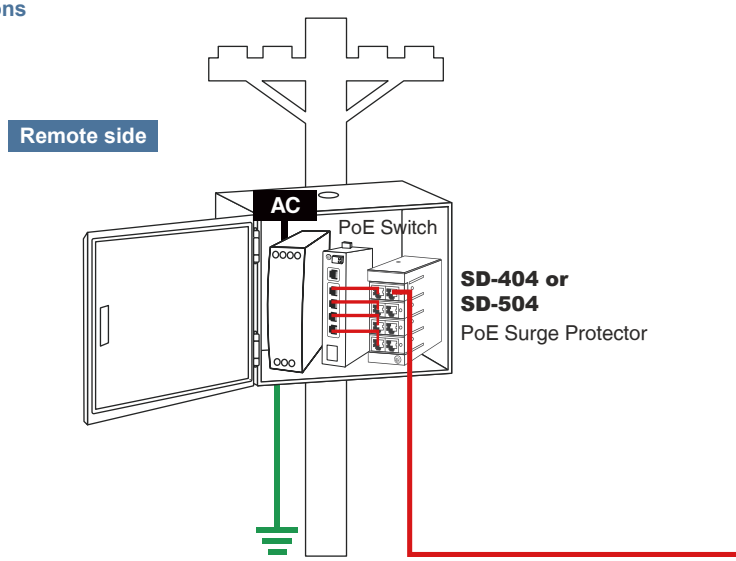


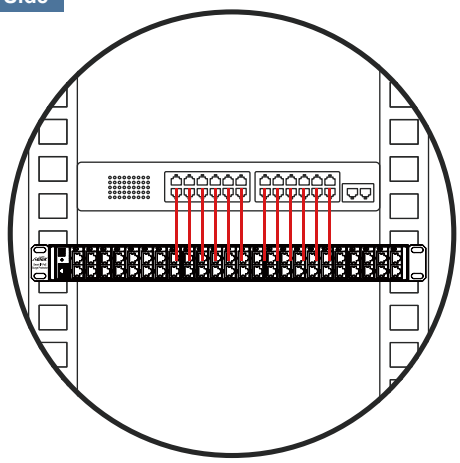
SD-524

Features

- Web UI Setup & lifetime detection
- Alarm log event
- 24-CH PoE Surge Protectors
- Quick swap when life time of single PoE surge module is expired
- Supports 10M/100M/1G/2.5G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt
- Protects up to 20KV / 10KA surge
- Operating temperature between -40°C to 75 °C

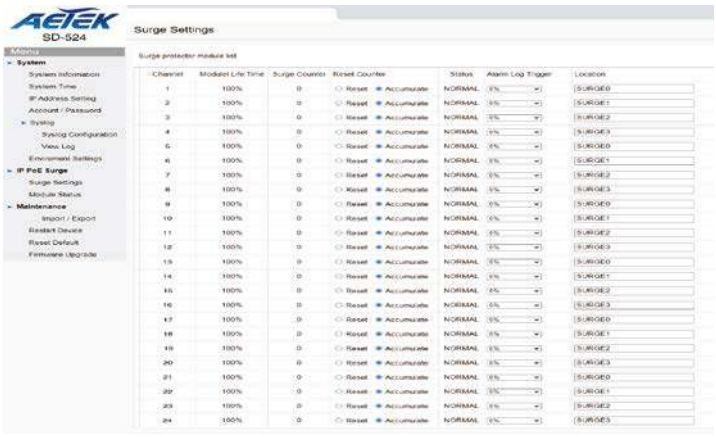
Applications





IP Managed Surge Protector







Related Product



CH-110-V2

- 19", 1U 8-bay rack mount chassis
- For 8 pieces of SD-101/SD-102



Outdoor Surveillance system Product Guide

Back-up PoE Cabinet

IP Back-up PoE Cabinet

Outdoor Back-up PoE Cabinet

Back-up PoE Cabinet - OS-100-250

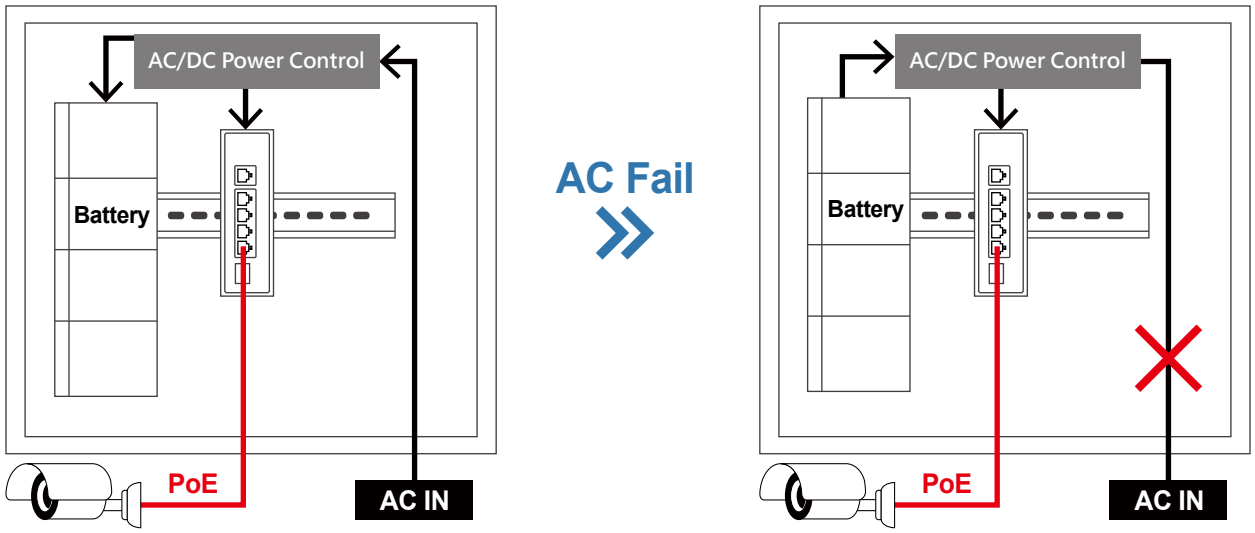
Features

- Redundant Battery Backup Power System
- Compact design / IP66 rated
- Output 54VDC voltage for PoE device use
- Space for PoE switch / PoE Surge protector installation
- Include Thermal Switch control heater and blower
- Battery protection for deep discharge and short circuit
- Space for 12V/7Ah Battery x 4PCS

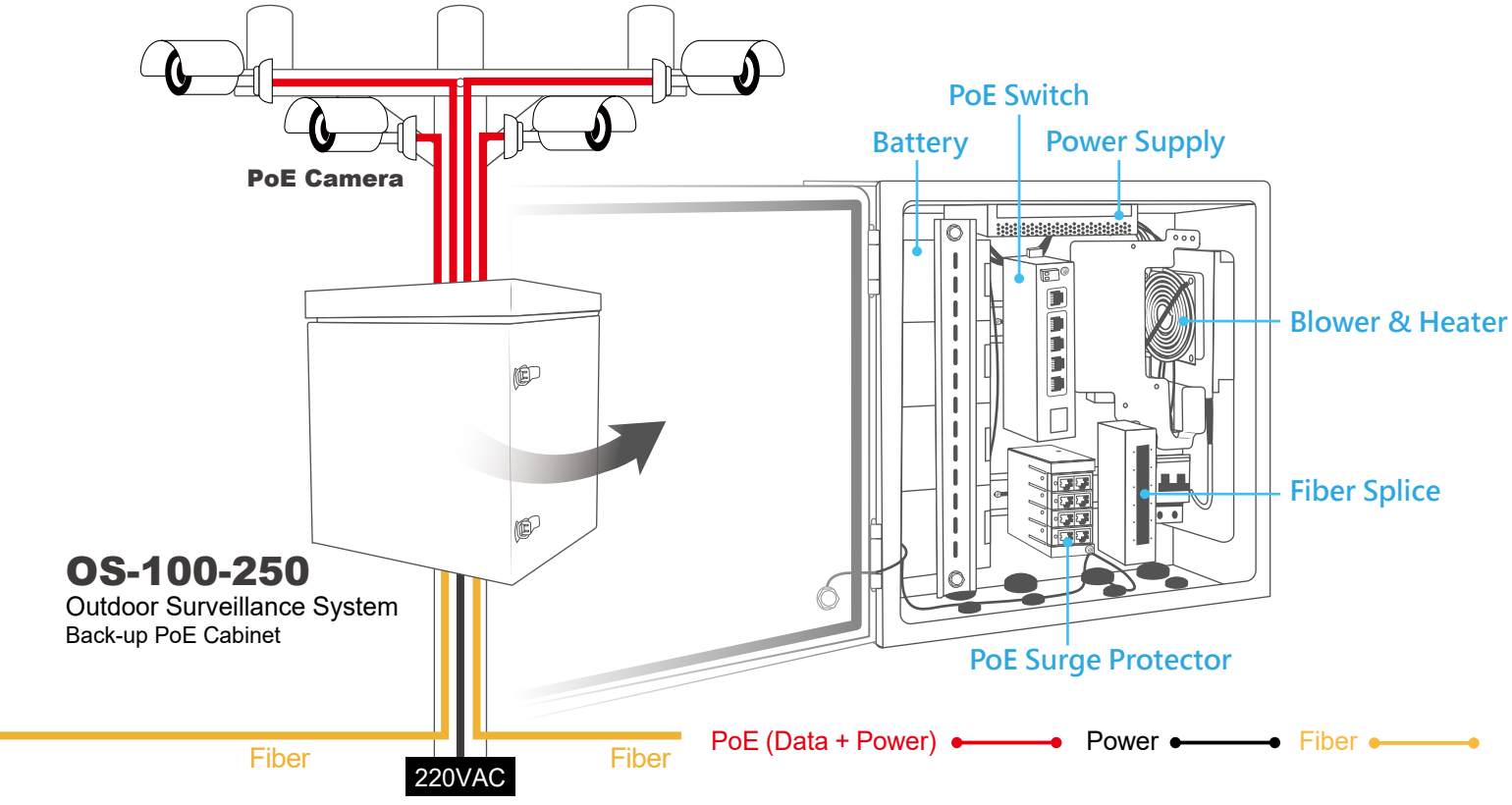
Redundant Battery Backup Power System

OS-100-250 a 250W power supply charger, converts 100~240VAC input into a 54VDC for IP PoE device

250W AC power built-in charger for sealed lead acid battery.



Application



Outdoor IP Back-up PoE Cabinet

IP Back-up PoE Cabinet - OS-200 Series

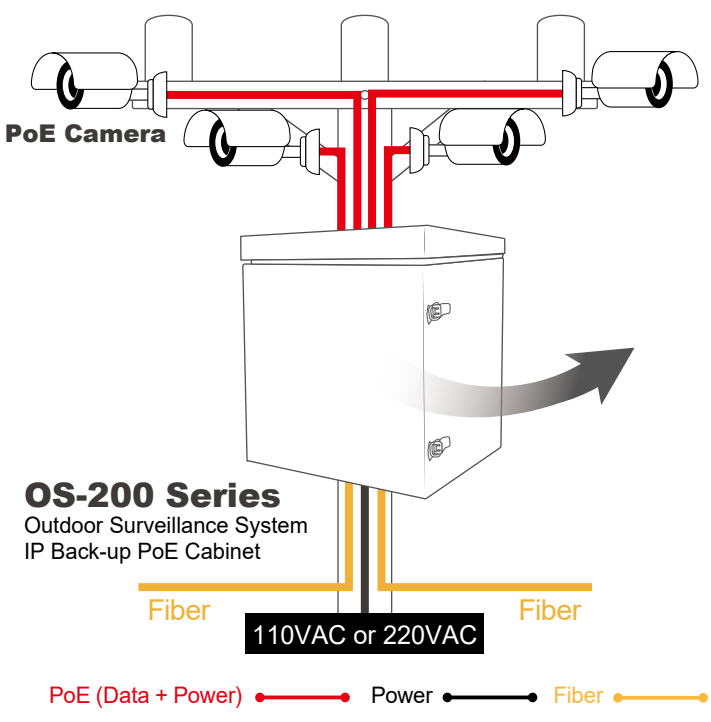
H/W Features

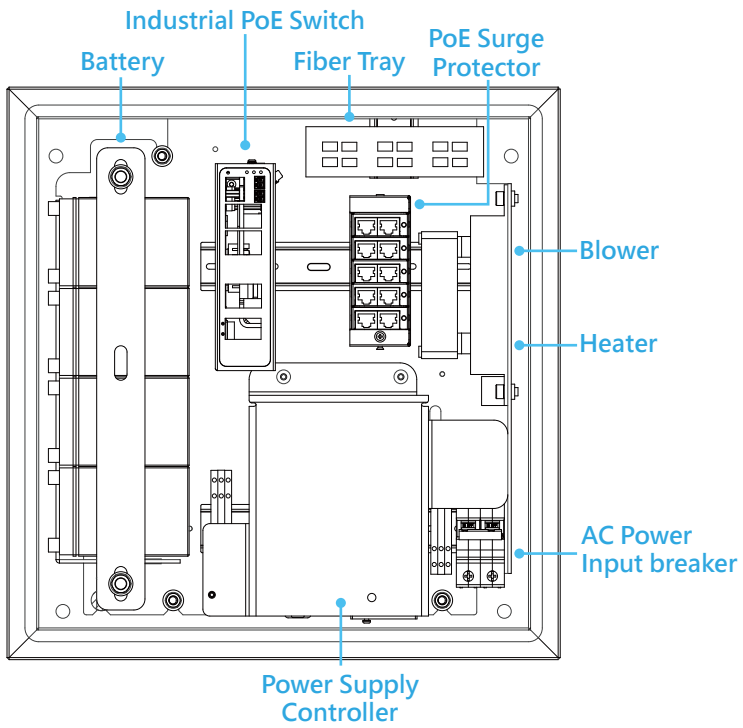
- •100~240V AC input power 240W Power supply (OS-200-240)
- •100~240V AC input power 480W Power supply (OS-200-480)
- •Simple Pole mount and wall mount installations
- •IP66 rated
- •a wide variety of DC output power
  - •12V/24V/dual 56V DC output in outside AC power is normal
  - •continuous 12/24/dual 5QV DC output if the AC input fails over - Built-in IP POE

S/W Features

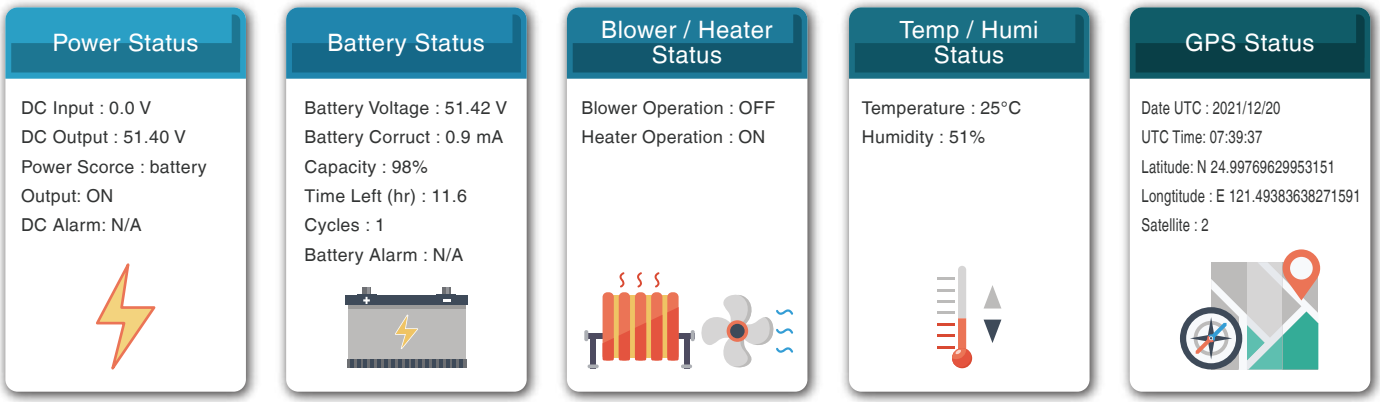
- •SNMP MIB for integration with Network management systems
- •SNMP trap triggers to notify once the monitoring status is abnormal.
- •Unified monitoring status:
  - •battery
  - •DC output
  - •blower
  - •temperature, and humidity
- •Unified controlling
  - •battery on/off
  - •heater & blower
  - •rebooting DC output power

Application





OS-200 Series-System Dash-Board

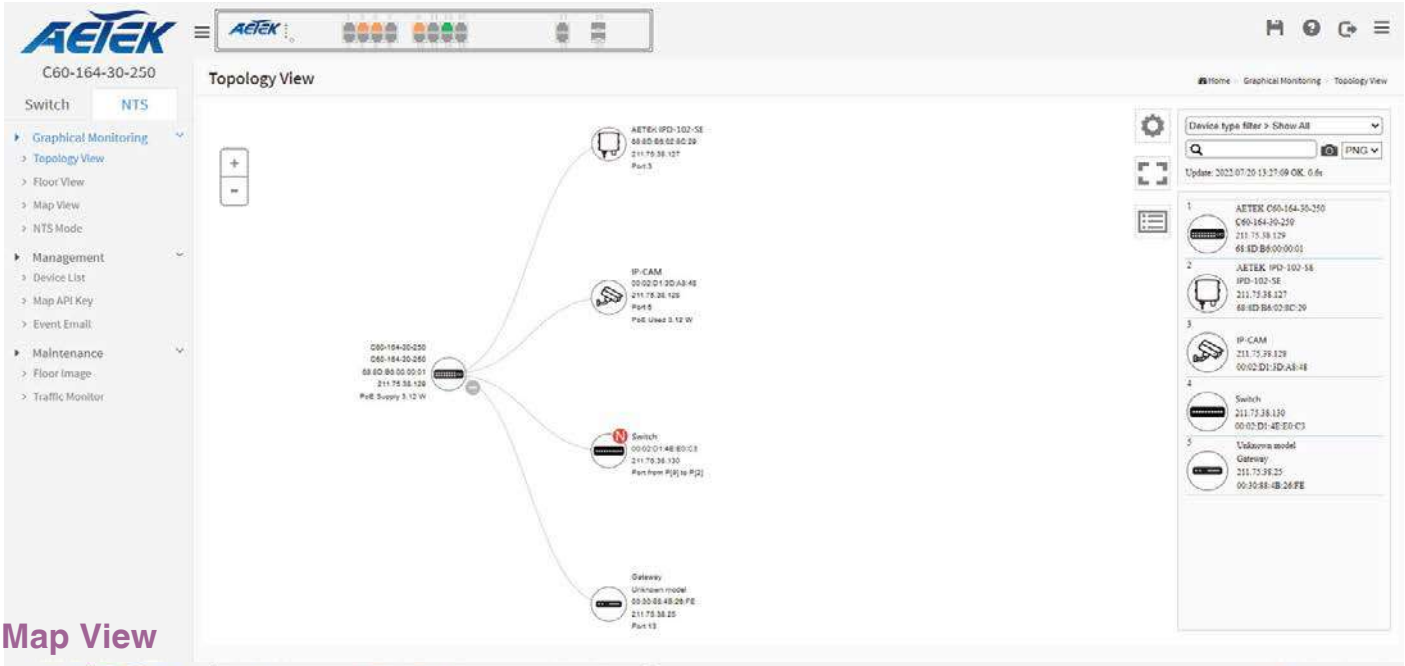


OS-200 Series-Notification

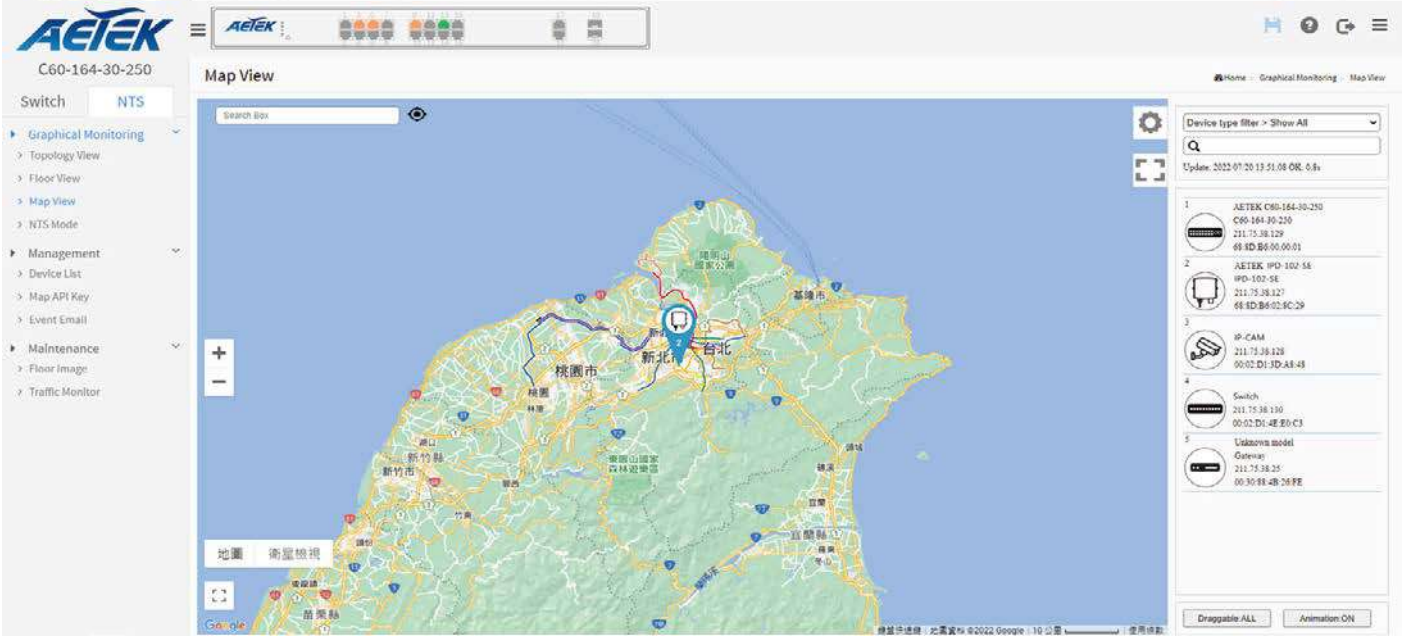


OS-200 w/ D60 Series L2 Pro PoE Switch NTS Page

Topology View



Map View



Related Product

Din-Rail Industrial L2 PRO Gigabit Ethernet PoE Switch



D60-044-30
4xGbE PoE (30W) +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D60-044-90
4xGbE bt/PoH PoE (90W) +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D60-044-91
4xGbE bt PoE (90W) +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D60-084-30
8xGbE PoE (30W) +
4xGbE SFP
48~56VDC Input

PoE Surge Protectors



SD-404
802.3af/802.3at/802.3bt/UPoE
4-CH PoE Surge Protectors

PoE Surge Protectors



SD-504
802.3af/802.3at/802.3bt/UPoE
4-CH PoE Surge Protectors

Din-Rail Industrial Gigabit PoE Switches



D40-044-30
4xGbE 30W PoE +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D40-044-91
4x 90W bt PoE +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D40-082-30
8xGbE 30W PoE +
2xGbE SFP
48~56VDC Input

Din-Rail Industrial L2 Gigabit Ethernet PoE Switch



D51-044-30
4xGbE PoE (30W) +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D51-044-90
4xGbE bt/PoH PoE (90W) +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D51-044-91
4xGbE bt PoE (90W) +
2xGbE SFP +
2xGbE RJ45
48~56VDC Input



D51-084-30
8xGbE PoE (30W) +
4xGbE SFP
48~56VDC Input

Din-Rail Industrial Gigabit PoE Media Converter



M30-011-30
1-port Gigabit 30W PoE +
1-port Gigabit SFP



M30-022-91
2-port Gigabit 90W bt PoE +
2-port Gigabit SFP

Din-Rail Industrial PoE Injector



I69-210-V2
Industrial GbE 90W bt
PoE Injector
48~56VDC Input



I69-216-V2
Industrial GbE 90W bt
PoE Injector
12~56VDC Input

Din-Rail Industrial PoE Splitter



S69-210-V2
Industrial GbE 90W bt
PoE Splitter
48~56VDC Input

Camera Housing
Product Guide

AI Camera Housing
AC24V(Optional DC24V)
802.3 bt/at/af PoE
800m PoE
AISI 316L Stainless Steel





Camera Housing Product Selection

AC24V | 30W PoE | 90W PoE | EPoC | EPoT

Aluminum IP66 / 68 IK10

- Heater & Blower — Unmanaged
  - A1000 P54 | A5000 P54 | A5000-E P56 | A5000-T P57
- Heater & Blower Fixed IR 50m — Unmanaged
  - A1020 P54 | A5020 P54 | A5020-E P56 | A5020-T P57
- Heater & Blower VAIR — Unmanaged
  - P2000-I P53 | P6000-I-V2 P53
- Heater & Blower VAIR — AI
  - M2000-I P51 | M6000-I P52
- Heater & Blower Temp.-50°C VAIR — Unmanaged
  - P2000-AI P53
- Heater & Blower Temp.-50°C VAIR — AI
  - M2000-AI P51 | M6000-AI P52
- Heater & Blower Wiper VAIR — Unmanaged
  - P2000-IW P53 | P6000-IW P53
- Heater & Blower Wiper VAIR — AI
  - M2000-IW P51 | M6000-IW P52
- Heater & Blower VAIR Wiper Temp.-50°C — Unmanaged
  - P2000-AIW P53
- Heater & Blower VAIR Wiper Temp.-50°C — AI
  - M2000-AIW P51 | M6000-AIW P52
- Thermal — Unmanaged
  - A2100 P50 | A5100 P50 | A5100-E P56 | A5100-T P57

316L Stainless Steel IP66 / IP68 IK10

- Heater & Blower — Unmanaged
  - S1000 P58 | S5000 P58 | S5000-E P58 | S5000-T P58
- Heater & Blower 12W VAIR LED — Unmanaged
  - S2000-I P58 | S6000-I P58 | S5000-EI P58 | S5000-TI P58
- Heater & Blower 12W VAIR LED Built-in wiper — Unmanaged
  - S2000-IW P58 | S6000-IW P58
- Thermal — Unmanaged
  - S2100 P59 | S5100 P59 | S5100-E P58 | S5100-T P58

AI Camera Housing – AC24V input

M2000 AI Camera Housing – AC24V input



M2000-I

Features
- IP68 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V input
- Aluminum die casting body



M2000-IW

Features
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V input
- Aluminum die casting body



M2000-AI

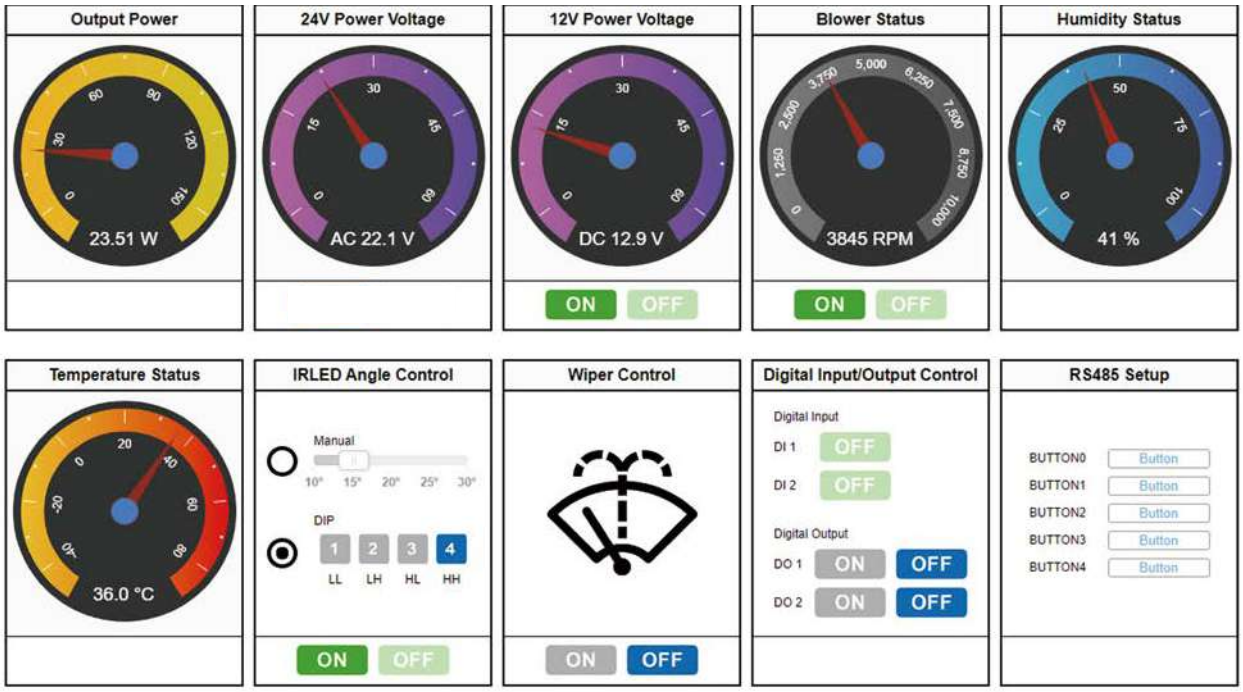
Features
- **Arctic cold start heater at -40°C (operating temperature at -50°C)**
- IP68 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V input
- Aluminum die casting body



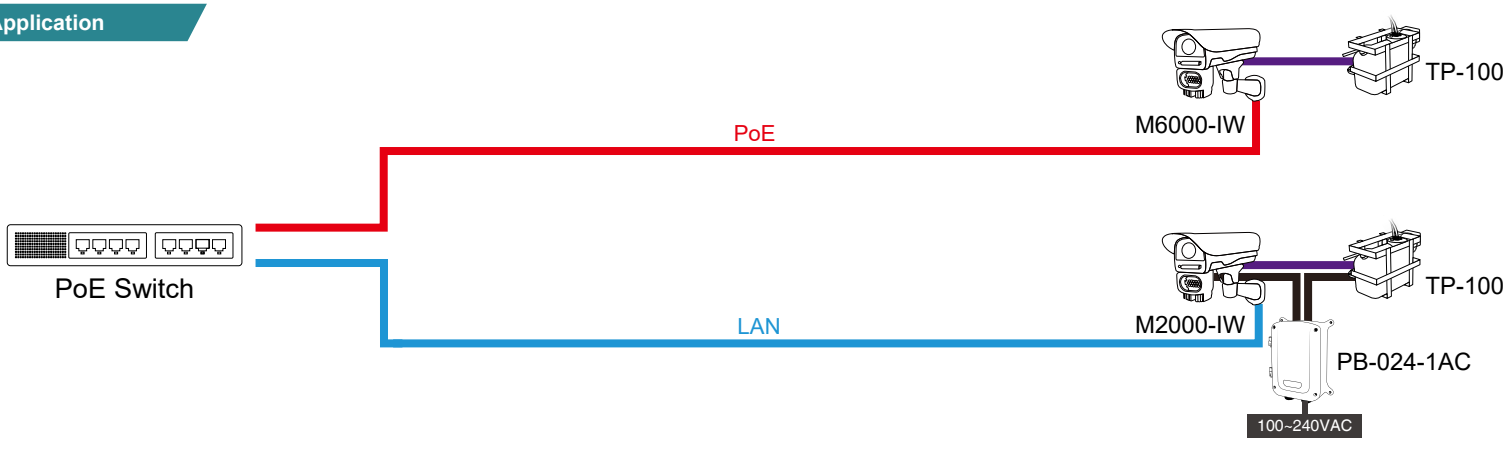
M2000-AIW

Features
- **Arctic cold start heater at -40°C (operating temperature at -50°C)**
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V input
- Aluminum die casting body

AI Camera Housing Managed UI



Application



AI Camera Housing – PoE input (90W bt & 95W PoH)

M6000 AI Camera Housing – PoE input (90W bt & 95W PoH)



M6000-I

Features
- IP68 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- 90W bt & 95W PoH PoE input
- Optional VAIR Illuminator
- Aluminum die casting body



M6000-IW

Features
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- 90W bt & 95W PoH PoE input
- Optional VAIR Illuminator
- Aluminum die casting body



M6000-AI

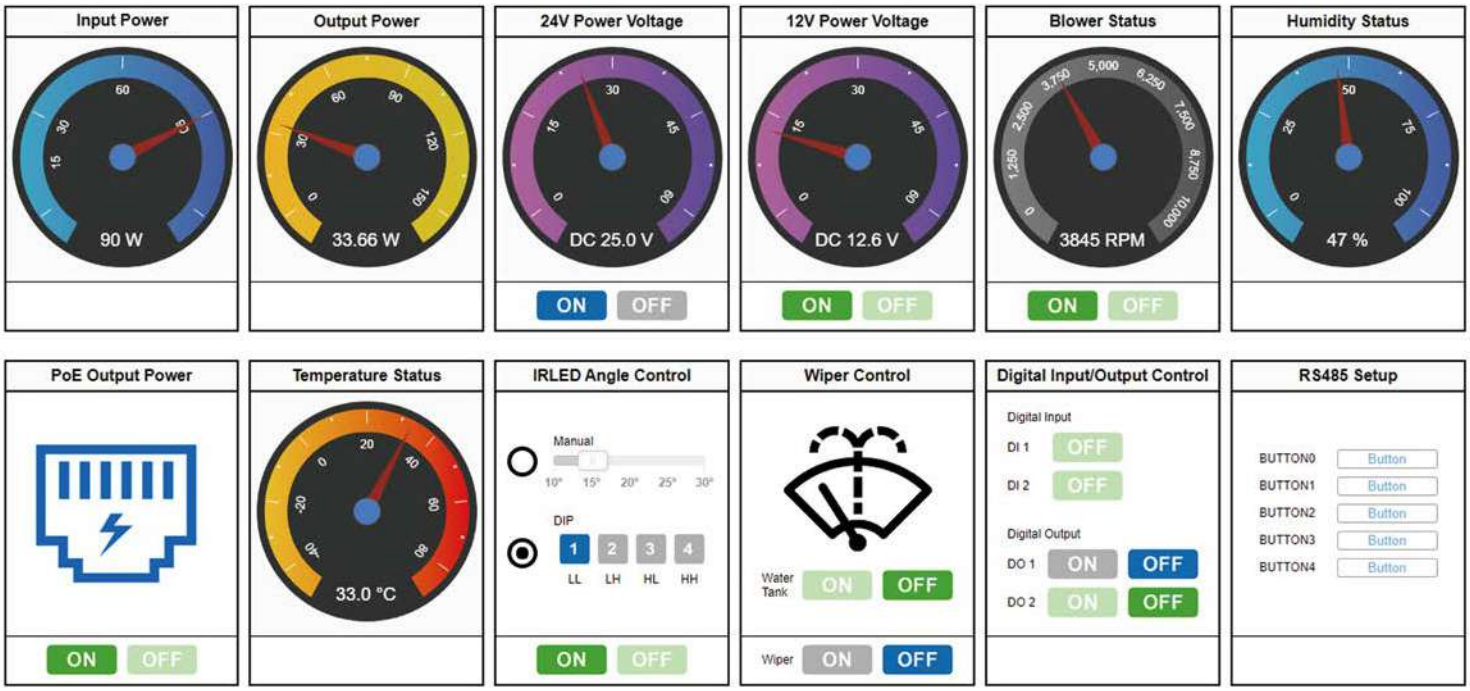
Features
- **Arctic cold start heater at -40°C (operating temperature at -50°C)**
- IP68 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- 90W bt & 95W PoH PoE input
- Aluminum die casting body



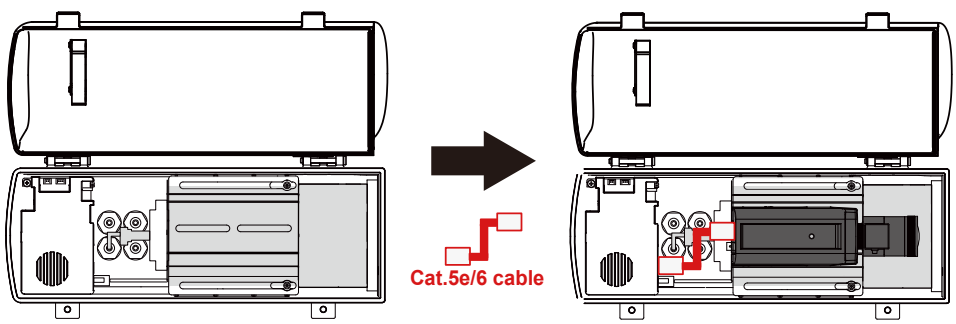
M6000-AIW

Features
- **Arctic cold start heater at -40°C (operating temperature at -50°C)**
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- 90W bt & 95W PoH PoE input
- Aluminum die casting body

AI Camera Housing Managed UI



Plug-and-Play quick connection for PoE IP box/brick camera inside smart camera housing



Professional Camera Housing

P20 Series - Professional AC24V Camera Housing



P2000-I

Features
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V Input (Optional DC24V)
- Aluminum die casting body



P2000-AI

Features
- **Arctic cold start heater at -40°C (operating temperature at -50°C)**
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V Input (Optional DC24V)
- Aluminum die casting body



P2000-IW

Features
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V Input (Optional DC24V)
- Aluminum die casting body



P2000-AIW

Features
- **Arctic cold start heater at -40°C (operating temperature at -50°C)**
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V Input (Optional DC24V)
- Aluminum die casting body

P60 Series - Professional 90W bt PoE Camera Housing



P6000-I-V2

Features
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- 90W bt PoE input
- Optional VAIR Illuminator
- Aluminum die casting body



P6000-IW

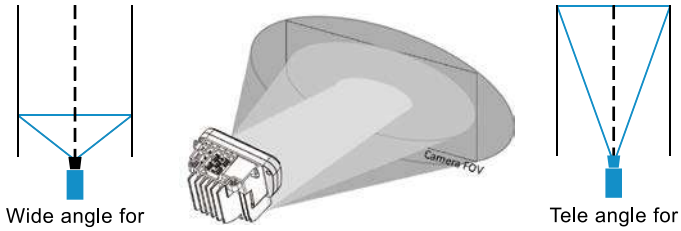
Features
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- 90W bt PoE input
- Optional VAIR Illuminator
- Aluminum die casting body

Professional Camera Housing Line

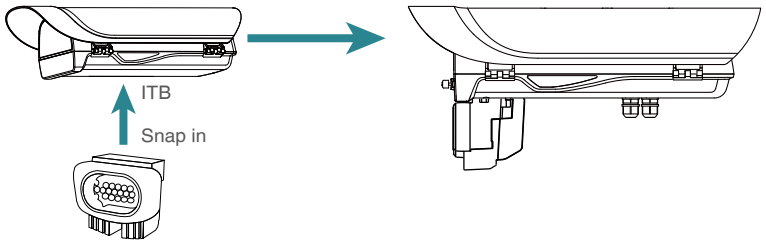
P20 Series	P60 Series
AC24V Input	90W bt PoE Input
- ITB(Illuminator Touch Board) for optional Vair-IR illuminator - Quick latch & tether wire for safety installation - Side opening alarm interface - Adjustable sunshield	- Spacious dimensions for camera equipped with long varifocal lens - Window heater for demisting & deicing - Blower - Aluminum die casting body
- Optional wiper - Optional cold start heater	- Optional VAIR illuminator - Optional water tank & pump
- I : ITB(Illuminator touch board) - A: Arctic cold start heater at -40°C (operating temperature -50°C)	- W: Wiper

VAIR Illuminator Technology

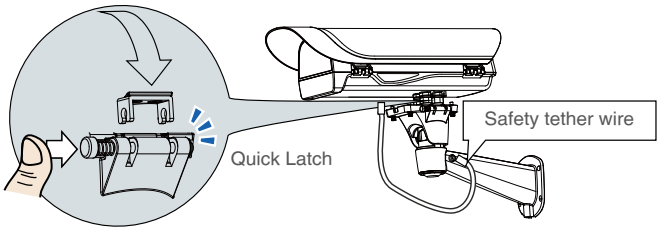
VAIR technology is an optical technology to adjust illuminator beam angle by remote control thru RS485 Pelco-D command or manual dip switch to suit camera FOV



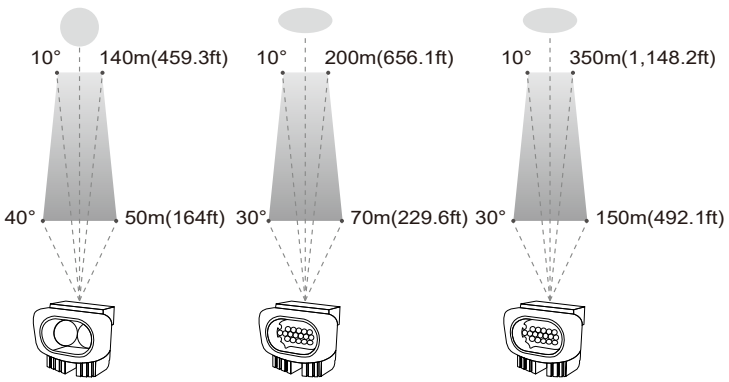
Without exposing power cable & RS485 wire for illuminator



Safety tether wire & Quick latch for safety installation



VR-120	VR-241	VR-481
Snap-in 12W IR LEDs	Snap-in 24W IR LEDs	Snap-in 48W IR LEDs



Affordable / Thermal / ANPR Camera Housing

A10 Series - Affordable Camera Housing



A1000

Features
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- AC24V/DC24V input
- Aluminum die casting body



A1020

Features
- **6W Fixed IR viewing up to 50m**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- AC24V/DC24V input
- Aluminum die casting body

A50 Series - Affordable PoE Camera Housing



A5000

Features
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- 30W at PoE input
- Aluminum die casting body



A5020

Features
- **6W Fixed IR viewing up to 50m**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- 30W at PoE input
- Aluminum die casting body

A21 Series - Thermal Camera Housing Line



A2100

Features
- AC24V/DC24V input
- **Germanium window**
- Blower
- IP68/IK10
- Aluminum die casting body

A51 Series - Thermal PoE Camera Housing Line



A5100

Features
- 30W at PoE input
- **Germanium window**
- Blower
- IP68/IK10
- Aluminum die casting body

P29_P69 Series - ANPR Camera Housing



P2900-IW Kit A

Features
- **Catch speed up to 100km/h**
- IP66 rated, IK10 vandal proof
- AC24V input
- Built-in wiper
- 48W VAIR Illuminator
- Aluminum die casting body



P6900-IW Kit A

Features
- **Catch speed up to 100km/h**
- IP66 rated, IK10 vandal proof
- 90W bt PoE input
- Built-in wiper
- 48W VAIR Illuminator
- Aluminum die casting body

P29 Kit A/B Series - ANPR Camera Housing



P2915 Kit A/B

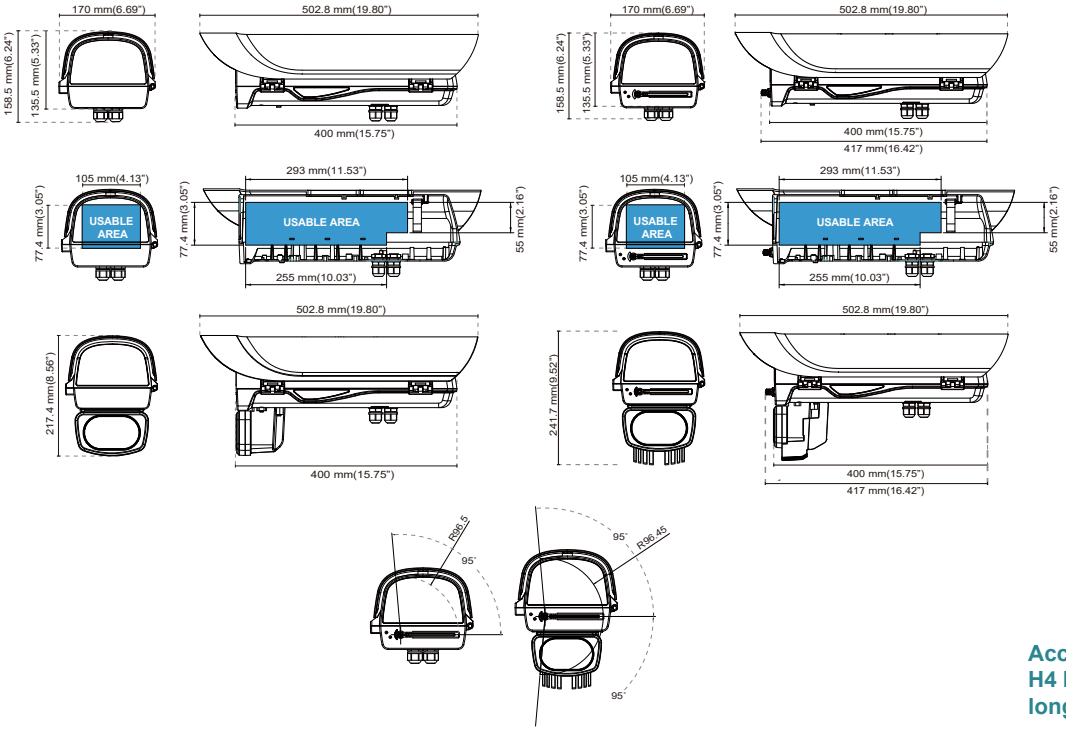
Features
- **Catch speed up to 150km/h**
- IP68 rated, IK10 vandal proof
- 90W External VAIR Illuminator
- AC24V input
- Aluminum die casting body



P2925 Kit A/B

Features
- **Catch speed up to 250km/h**
- IP68 rated, IK10 vandal proof
- 288W pulse mode external VAIR Illuminator
- DC24V input
- Aluminum die casting body

Dimensions





Accommodate with AXIS Q1635 + 8-80mm vari-focal lens



Accommodate with Avigilon H4A/H5A box & H4 Pro/H5A Pro box equipped with long range van-focal lens

Related Products

Brackets

Wall Mount



BK-101
Wall Mount Bracket
Safety Wire
Concealing Cable



BK-102
Wall Mount Bracket
Concealing Cable

Ceiling Mount



BK-200
J-type
Ceiling Mount Bracket



BK-201
Flexible J-type
Ceiling Mount Bracket

Standing Mount



BK-300
Standing Mount Bracket

Adapters

Pole Mount



AT-100
Pole Mount Adapter



AT-101
Pole Mount Adapter

Corner Mount



AT-200
Corner Mount Adapter

Fit



BK-101



BK-102

Junction Box

Wall Mount



JB-100
Junction Box

Fit



BK-101



BK-102



AT-100



AT-101

AT-200

VAIR LEDs

VAIR LEDs (For -I model)



VR-120
- Snap Vair 10~40° IR LED, 12W



VR-241
- Snap Vair 10~30° IR LED, 24W

VR-481
- Snap Vair 10~30° IR LED, 48W

Water Tank & Pump

Water Tank & Pump (For -W model)



TP-100
- 10L Water Tank & Pump

Power Boxes

Model Name	A10 Series	P20 Series	P29 Series	M20 Series
 **PB-024-1AC** • IP67/IK10 • 115VAC / 230VAC Input • 24VAC/6A Output				
 **PB-024-2AC** • IP67/IK10 • 115VAC / 230VAC Input • 24VAC/6A Output • For BK-101 & BK-102				

PoE Switches

Model Name	A50 Series	P60 Series	P69 Series	M60 Series
30W PoE Switch 		–	–	–
90W PoE Switch 	–			

800m PoE Camera Housing over Coax

800m PoE Camera Housing over Coaxial Cable



A5000-E

Features
- IP68 rated, IK10 vandal proof
- Window heater & blower
- EPoC Input
- 6KV surge protector
- Aluminum die casting body



A5020-E

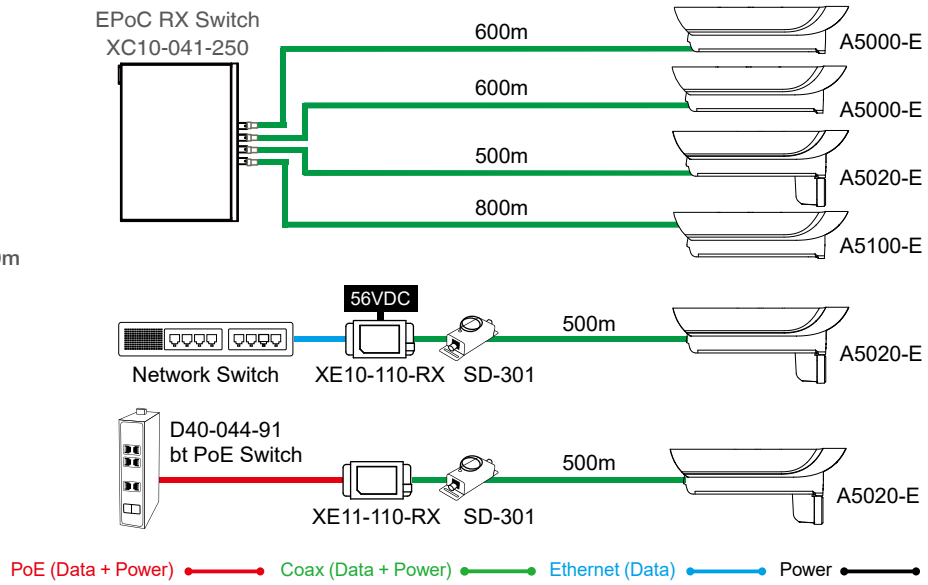
Features
- **6W Fixed IR viewing up to 50m**
- IP66 rated, IK10 vandal proof
- EPoC Input
- 6KV surge protector
- Aluminum die casting body



A5100-E

Features
- **Germanium window**
- IP68 rated, IK10 vandal proof
- EPoC Input
- 6KV surge protector
- Aluminum die casting body

Applications



Related Products

EPoC RX Adapter Series



XE10-110-RX
- XE10-110-RX EPoC adapter (RX)
- 65W@56VDC power adapter



XE11-110-RX
- XE11-110-RX PoE EPoC adapter (RX)
- Supports 30W/60W/90W PoE Input

EPoC RX Switch



XC10-041-250
- 4xBNC coaxial ports, 1xGigabit LAN port
- Playing RX mode
- 6KV surge protection for each EPoC port
- 250W Power Supply, 100~240VAC input



XC10-084-380
- 8xBNC coaxial ports & 4xGigabit LAN port
- Playing RX mode
- 6KV surge protection for each EPoC port
- 380W Power Supply, 100~240VAC input

EPoC Related Product



CH-100-V2
- 19", 1U 4-bay Rack Mount Chassis
- For 4 sets of XE10-110-RX & 65W power adapter



D40-044-91
- 60W/90W bt PoE Switch
- Works with XE11-110-RX



SD-301
- BNC Surge Protector
- 6KV Surge Protection



BNC-Y
- Y-Type BNC Adapter



CH-110-V2
- 19", 1U 8-bay rack mount chassis
- For 8 pieces of XE11-110-RX



I39-210
- 90W bt PoE Injector
- Works with XE11-110-RX



BNC-T
- T-Type BNC Adapter



BNC-YC
- Outdoor Y-Type BNC Cable

Brackets

Wall Mount



BK-101
Wall Mount Bracket
Safety Wire
Concealing Cable



BK-102
Wall Mount Bracket
Concealing Cable

Ceiling Mount

BK-200
J-type
Ceiling Mount
Bracket



BK-201
Flexible J-type
Ceiling Mount
Bracket

Standing Mount



BK-300
Standing Mount
Bracket

Adapters

Pole Mount



AT-100
Pole Mount Adapter



AT-101
Pole Mount Adapter

Corner Mount



AT-200
Corner Mount Adapter

Fit



BK-101



BK-102

Junction Box

Wall Mount



JB-100
Junction Box

Fit



BK-101



BK-102



AT-100



AT-101

AT-200

800m PoE Camera Housing over UTP/STP

800m PoE Camera Housing over Cat.5e / Cat.6 Cable



A5000-T

Features

- IP68 rated, IK10 vandal proof
- Window heater & blower
- EPoT Input
- 6KV surge protector
- Aluminum die casting body



A5020-T

Features

- **6W Fixed VAIR viewing up to 50m**
- IP66 rated, IK10 vandal proof
- EPoT Input
- 6KV surge protector
- Aluminum die casting body

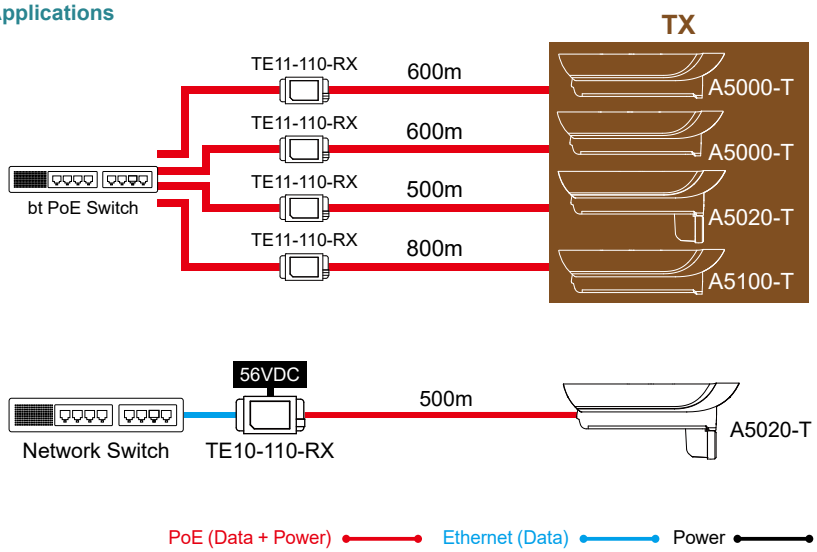


A5100-T

Features

- **Germanium window**
- IP68 rated, IK10 vandal proof
- EPoT Input
- 6KV surge protector
- Aluminum die casting body

Applications



Related Products

EPoT RX Adapter Series



TE10-110-RX

- TE10-110-RX EPoT adapter (RX)
- 65W @56VDC power adapter



TE11-110-RX

- TE11-110-RX PoE EPoT adapter (RX)
- Supports 30W/60W/90W PoE Input

EPoT Related Product



D40-044-91

- 60W/90W bt PoE Switch
- Works with XE11-110-RX



I39-210

- 90W bt PoE Injector
- Works with XE11-110-RX



UTP-YC cable

- Outdoor Y type RJ45 Cable



CH-100-V2

- 19", 1U 4-bay rack mount chassis
- For 4 sets of TE10-110-RX & 65W power adapter



CH-110-V2

- 19", 1U 8-bay rack mount chassis
- For 8 pieces of TE11-110-RX

Brackets

Wall Mount



BK-101
Wall Mount Bracket
Safety Wire
Concealing Cable



BK-102
Wall Mount Bracket
Concealing Cable

Ceiling Mount



BK-200
J-type
Ceiling Mount Bracket



BK-201
Flexible J-type
Ceiling Mount Bracket

Standing Mount



BK-300
Standing Mount Bracket

Adapters

Pole Mount



AT-100
Pole Mount Adapter



AT-101
Pole Mount Adapter

Corner Mount



AT-200
Corner Mount Adapter

Fit



BK-101



BK-102

Junction Box

Wall Mount



JB-100
Junction Box

Fit



BK-101



BK-102



AT-100



AT-101

AT-200

AISI 316L Stainless Steel Camera Housing

AC24V Camera Housing



S1000

Features
- IP68 rated, IK10 vandal proof
- AC24V/DC24V input
- Window heater & blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S2000-I

Features
- **12W VAIR LED**
- IP66 rated, IK10 vandal proof
- AC24V Input
- Window heater & blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S2000-IW

Features
- **12W VAIR LED**
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- AC24V Input
- Window heater & blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments

PoE Camera Housing



S5000

Features
- 30W at PoE Input
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S6000-I

Features
- 90W bt PoE input
- **12W VAIR LED**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S6000-IW

Features
- 90W bt PoE input
- **12W VAIR LED**
- **Built-in wiper**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments

600m PoE over Coaxial Cable Camera Housing



S5000-E

Features
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- EPoC Input
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S5000-EI

Features
- **12W VAIR LED**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- EPoC Input
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S5100-E

Features
- **Germanium window**
- IP68 rated, IK10 vandal proof
- Blower
- Adjustable sunshield
- EPoC Input
- AISI 316L stainless steel construction
- Fits corrosive & severe environments

600m PoE over UTP/STP Cable Camera Housing



S5000-T

Features
- IP68 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- EPoT Input
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S5000-TI

Features
- **12W VAIR LED**
- IP66 rated, IK10 vandal proof
- Window heater & blower
- Adjustable sunshield
- EPoT Input
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



S5100-T

Features
- **Germanium window**
- IP68 rated, IK10 vandal proof
- Blower
- Adjustable sunshield
- EPoT Input
- AISI 316L stainless steel construction
- Fits corrosive & severe environments

AISI 316L Stainless Steel Camera Housing

Thermal Camera Housing Line



S2100

Features

- **Germanium window**
- IP68 rated, IK10 vandal proof
- AC24V/DC24V input
- Blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments



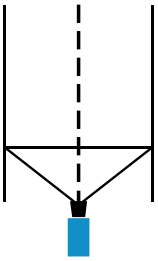
S5100

Features

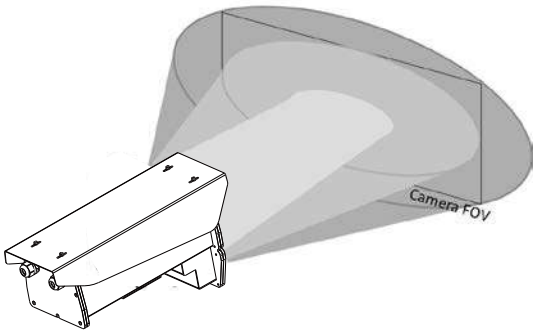
- **Germanium window**
- IP68 rated, IK10 vandal proof
- 30W at PoE Input
- Blower
- Adjustable sunshield
- AISI 316L stainless steel construction
- Fits corrosive & severe environments

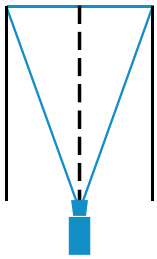
VAIR Illuminator Technology

VAIR technology is an optical technology to adjust illuminator beam angle by remote control thru RS485 Pelco-D command or manual dip switch to suit camera FOV

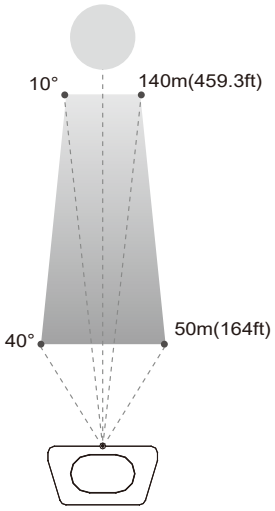


Wide angle for short distance

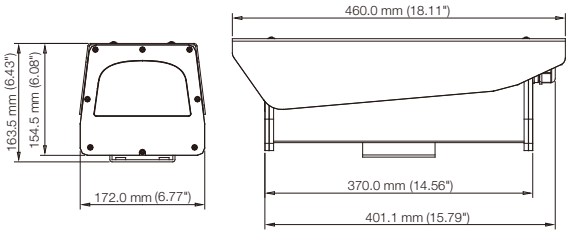


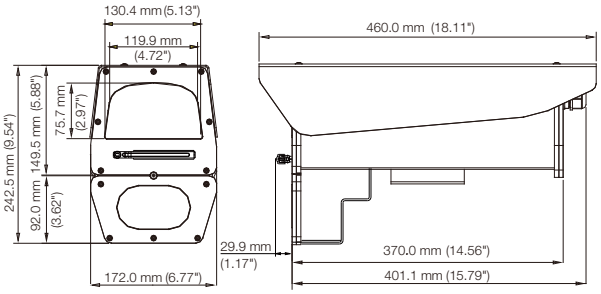


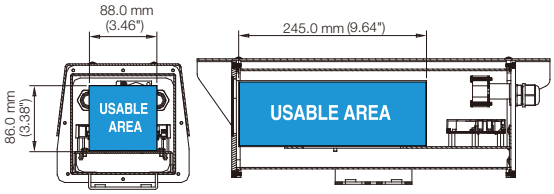
Tele angle for long distance

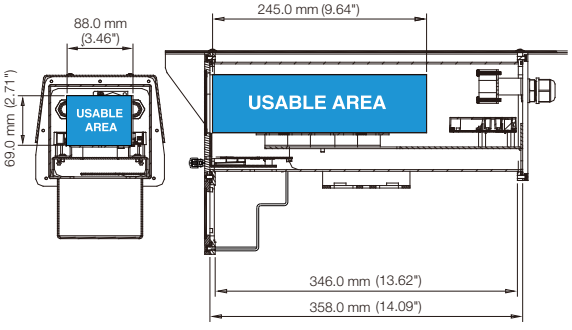


AISI 316L Stainless Steel Dimensions









Related Products

Wall Mount Bracket



BK-103
AISI 316L Stainless Steel
Wall Mount Bracket

Water Tank & Pump (For -W model)



TP-100
Stainless Steel
10L Water Tank & Pump

Pole Mount



AT-102
AISI 316L Stainless steel
Pole Mount Adapter

Professional Illuminators for Security Lighting.









Illuminators
Product Guide

Manual
Motor
Pulse Mode
Affordable

Professional Illuminators

2 Easy Configuration
- 4 LED ON/OFF Control Modes
- Adjustable Light Sensor Sensitivity
- Support Pelco D via RS485 Interface

3 Smart Protection
- LED High Temp Self-protection
- Diagnostic

4 Reliable Casing
- Solid Particle Protection IP6X
- Liquid Ingress Protection IPX6/IPX8
- Impact Protect IK10

5 Beam Angle Adjust
- Fix Angle
- Manual Tech
- Motor Tech

Professional - Manual Adjustable Beam Angle



VR-486-1040

Features
- 48W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 10°~40°
- Capture range: 100~250m (590~850ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VR-486-2040

Features
- 48W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 20°~40°
- Capture range: 120~200m (393~656ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VR-486-4080

Features
- 48W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 40°~80°
- Capture range: 60~90m (196~295ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VR-486-90120

Features
- 48W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 90°~120°
- Capture range: 44~55m (147~180ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VR-486-180

Features
- 48W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 180°
- Capture range: 0~40m (0~131ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VW-486-1040

Features
- 48W Fixed IR viewing over White Light 5000K
- Beam angle: 10°~40°
- Capture range: 100~250m (590~850ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VW-486-2040

Features
- 48W Fixed IR viewing over White Light 5000K
- Beam angle: 20°~40°
- Capture range: 120~200m (393~656ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VW-486-4080

Features
- 48W Fixed IR viewing over White Light 5000K
- Beam angle: 40°~80°
- Capture range: 60~90m (196~295ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VW-486-90120

Features
- 48W Fixed IR viewing over White Light 5000K
- Beam angle: 90°~120°
- Capture range: 45~55m (147~180ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power

Professional - Motor Adjustable Beam Angle



VR-806-1040

Features
- 90W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 10°~40°
- Capture range: 140~350m (459~1148ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power



VR-806-2040

Features
- 90W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 20°~40°
- Capture range: 170~280m (557~918ft)
- IP66, IP68 rated, IK10 vandal proof
- 24VAC or 24VDC input power

Professional - Pulse Mode



VR-246-1040

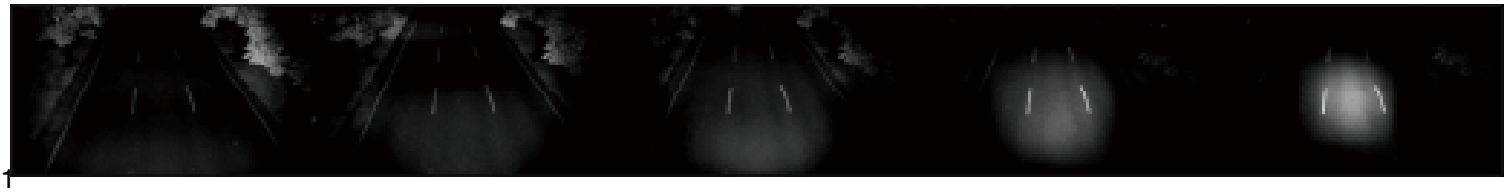
Features
- 24W (288W Puise Mode Power) over IR 850nm lighting source
- IP66, IP68 rated, IK10 vandal proof
- 24VDC input power



VR-246-2040

Features
- 24W (288W Puise Mode Power) over IR 850nm lighting source
- IP66, IP68 rated, IK10 vandal proof
- 24VDC input power

Angle Adjust



Professional Illuminators

Affordable-Fixed Beam Angle



FR-326-010

Features
- 32W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 10°
- Capture range: 0~180m (0~590ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power



FR-326-035

Features
- 32W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 35°
- Capture range: 0~60m (0~196ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power



FR-326-070

Features
- 32W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 70°
- Capture range: 0~35m (0~114ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power



FR-326-100

Features
- 32W Fixed IR viewing over IR 850nm lighting source
- Beam angle: 100°
- Capture range: 0~25m (0~85ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power



FW-326-010

Features
- 32W Fixed IR viewing over White Light 5000K
- Beam angle: 10°
- Capture range: 0~180m (0~590ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power



FW-326-035

Features
- 32W Fixed IR viewing over White Light 5000K
- Beam angle: 35°
- Capture range: 0~60m (0~196ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power



FW-326-070

Features
- 32W Fixed IR viewing over White Light 5000K
- Beam angle: 70°
- Capture range: 0~35m (0~114ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power



FW-326-100

Features
- 32W Fixed IR viewing over White Light 5000K
- Beam angle: 100°
- Capture range: 0~25m (0~85ft)
- IP66 rated, IK10 vandal proof
- 24VAC or 24VDC input power

Security Lighting & LPR Lighting Applicaitons



Long Distance



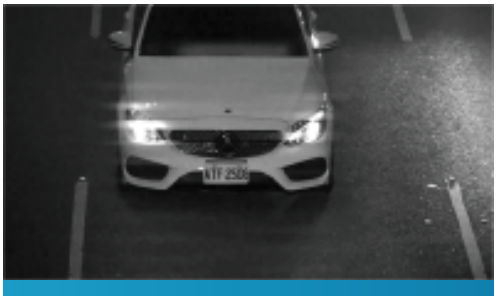
Panoramic Lighting



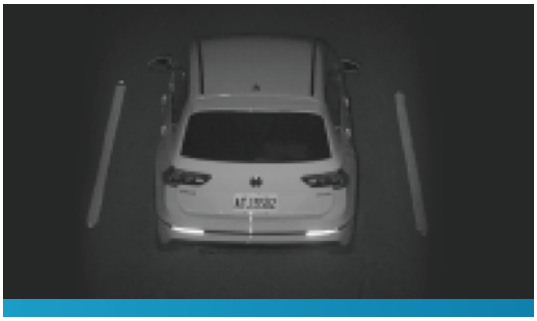
Generic View



LPR Solution



Continuous Mode



Pulse Mode

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