AETEK



Double "A"
for IP Surveillance



AETEK works with Avigilon IP Cameras



www.aetektec.com

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AETEK 95W PoH PoE Switch/Injector works with Avigilon H5A PTZ/ H5A IR PTZ/ H4A Multisensor PoE IP Cameras

Why needs AETEK's 95W PoH PoE Switch / Injector ?

- Feeds 95W PoH PoE to H5A PTZ/ H5A IR PTZ/ H4A Multisensor PoE IP Cameras
- Multiple 95W PoH PoE Output
- Works between -40°C and 75°C outdoor harsh environments
- 6KV surge protection on each PoE port
- GbE(RJ45) & GbE SFP optical fiber as uplink/downlink ports
- Sufficient Gigabit bandwidth

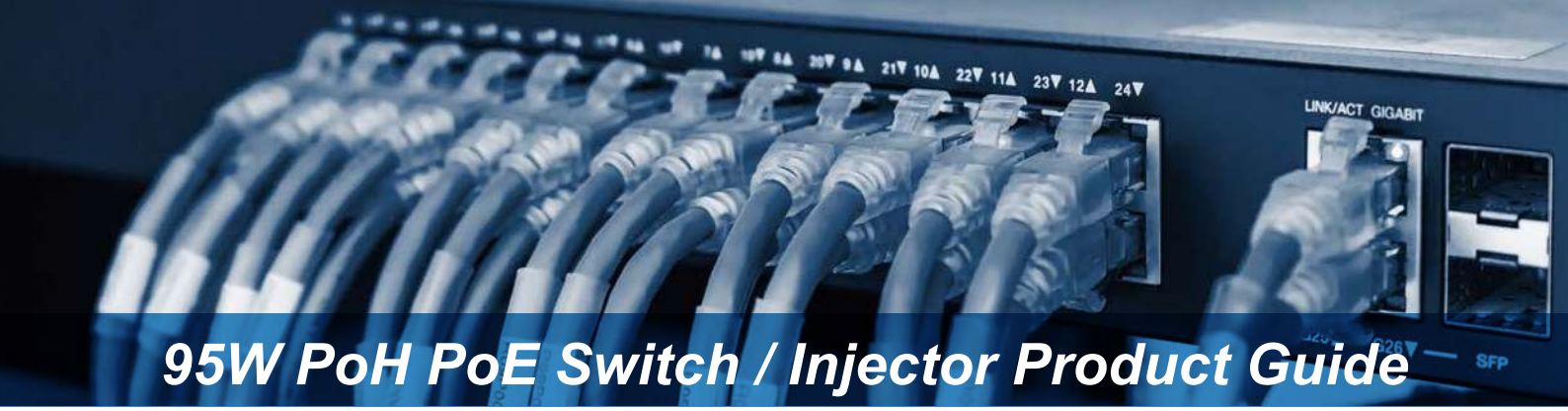


LAB TESTS









95W PoH PoE Switch / Injector Product Guide

Avigilon PoE IP Cameras



Avigilon H4 Box camera

- 1.0C-H4A-B3
- 2.0C-H4A-B1
- 2.0C-H4A-B2
- 2.0C-H4A-B3
- 3.0C-H4A-B1
- 3.0C-H4A-B2
- 3.0C-H4A-B3
- 5.0L-H4A-B2
- 5.0L-H4A-B3
- 8.0-H4A-B2



Avigilon H5A Box Camera

- 2.0C-H5A-B1
- 2.0C-H5A-B2
- 4.0C-H5A-B2
- 4.0C-H5A-B3
- 6.0C-H5A-B2
- 8.0C-H5A-B2



Avigilon Outdoor Bullet Camera

- 3.0-H4A-BO1-IR



Avigilon H4 PRO Box camera

- 8L-H4 PRO-B - 4K (8 MP)



Avigilon H4 Fisheye

- 6.0L-H4F-DO1-IR
- 12.0-H4F-DO1-IR



Avigilon Outdoor Bullet Camera

- 2.0C-H5A-BO1-IR
- 2.0C-H5A-BO2-IR
- 4.0C-H5A-BO1-IR
- 5.0C-H5A-BO2-IR
- 6.0C-H5A-BO1-IR
- 8.0C-H5A-BO1-IR 8.0
- 4.0C-H5A-BO2-IR



Avigilon H4A Multisensor

- 9C-H4A-3MH-270
- 9C-H4A-3MH-180
- 15C-H4A-3MH-270
- 15C-H4A-3MH-180
- 24C-H4A-3MH-270
- 24C-H4A-3MH-180
- 12C-H4A-4MH-360
- 20C-H4A-4MH-360
- 32C-H4A-4MH-360



Avigilon H5A PTZ

- 2.0C-H5A-PTZ-DP36
- 2.0C-H5A-PTZ-DC36
- 4.0C-H5A-PTZ-DP36
- 4.0C-H5A-PTZ-DC36
- 8.0C-H5A-PTZ-DP36
- 8.0C-H5A-PTZ-DC36

Indoor Gigabit 60W/95W PoH PoE Injector



I36-200

Features

- Provides 60W of PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates



I39-200

Features

- Provides 95W of PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates

Outdoor Gigabit 60W/95W PoH PoE Injector



I46-200

Features

- Outdoor IP67, IK10, -40°C ~ 65°C
- Provides 60W PoH PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates



I49-200

Features

- Outdoor IP67, IK10, -40°C ~ 65°C
- Provides 95W PoH PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates



I46-201-A

Features

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



I49-201-A

Features

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

Industrial Gigabit 90W/95W PoE Injector



I69-200

Features

- Provides 95W PoH PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- -40°C ~ 75°C operating temperature



I69-206

Features

- 12~56VDC Power Input
- Provides 95W PoH PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- -40°C ~ 75°C operating temperature

Industrial Gigabit 95W PoH PoE Media Converter



M30-022-90

Features

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

Industrial Gigabit Ethernet 95W PoH PoE Switch



D40-044-90

Features

- **30W/60W/95W PoH PoE output**
- 4-port Gigabit 95W bt PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D40-044-90-DC

Features

- **30W at, 60W/95W PoH PoE output**
- 4-port Gigabit 95W 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

Din-Rail Industrial L2 Gigabit Ethernet PoE Switch



D51-044-90

Features

- **4-port Gigabit 95W PoH PoE**
  + 2-port Gigabit RJ45
  + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D51-044-90-DC

Features

- **4-port Gigabit 95W PoH PoE**
  + 2-port Gigabit RJ45
  + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power

Outdoor Gigabit 95W PoH PoE Switch



H40-022-90-120

Features

- Outdoor IP67, IK10, -40°C~ 65°C
- 2-port Gigabit 95W PoH PoE + 2-port Gigabit SFP
- 6KV PoE surge protection



H40-044-90-250

Features

- Outdoor IP67, IK10, -40°C~ 65°C
- 4-port Gigabit 95W PoH PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection



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

Din-Rail Industrial L2 PRO Gigabit Ethernet PoE Switch



D60-044-90

Features

- **Supports NTS**
- **4-port Gigabit 95W PoH PoE**
  + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 48~56VDC input power



D60-044-90-DC

Features

- **Supports NTS**
- **4-port Gigabit 95W PoH PoE**
  + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- -40°C ~ 75°C operating temperature
- 12~56VDC input power



H40-022-90-DC

Features

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



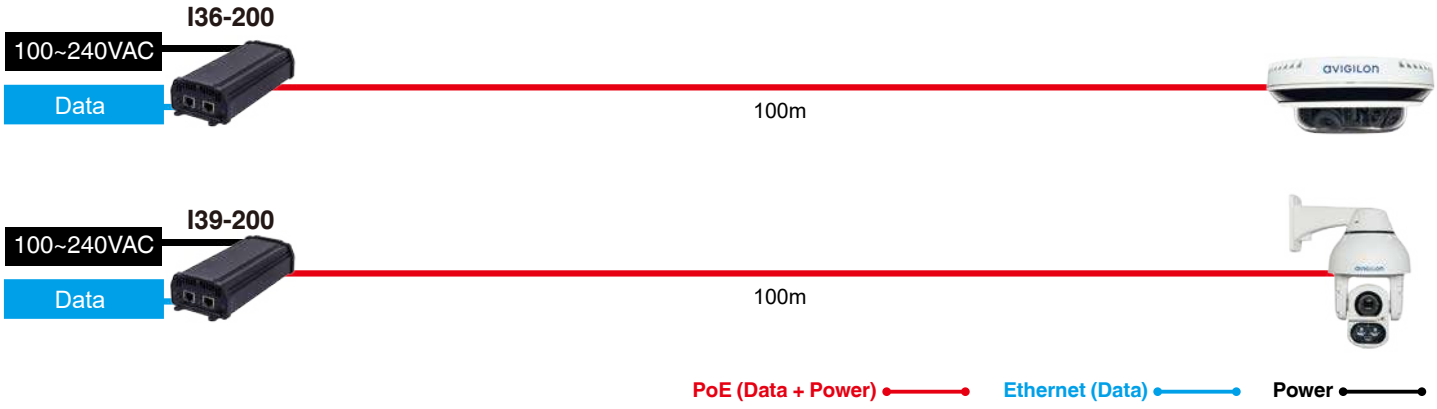
H40-044-90-250

Features

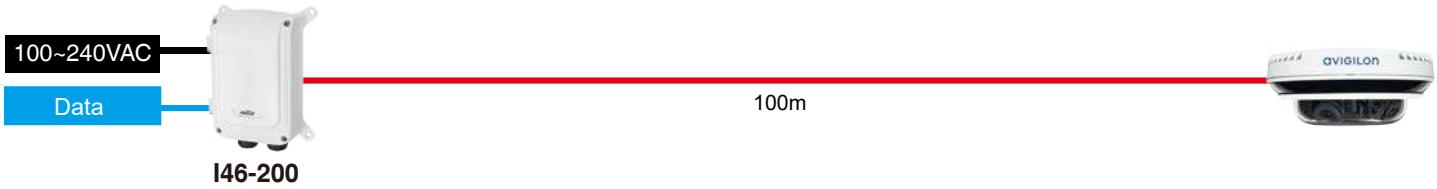
- **IP67, IK10, -40°C~ 65°C**
- **30W at, 60W/95W PoH PoE output**
- 4-port Gigabit 95W bt PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

Applications

Indoor Gigabit 60W/95W PoH PoE Injector

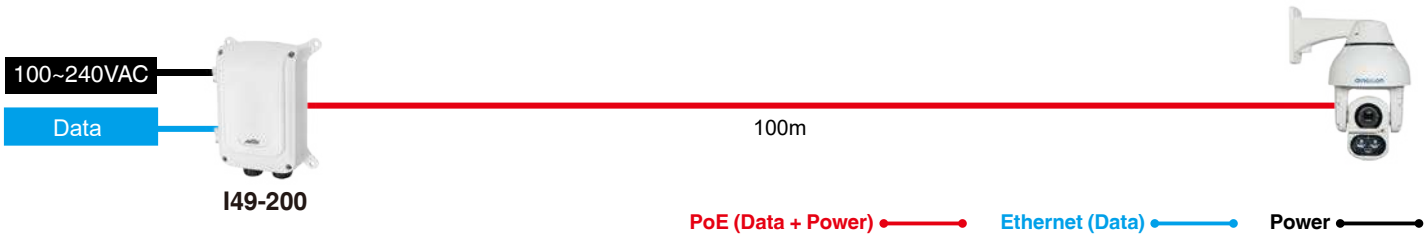


Outdoor Gigabit 60W/95W PoH PoE Injector

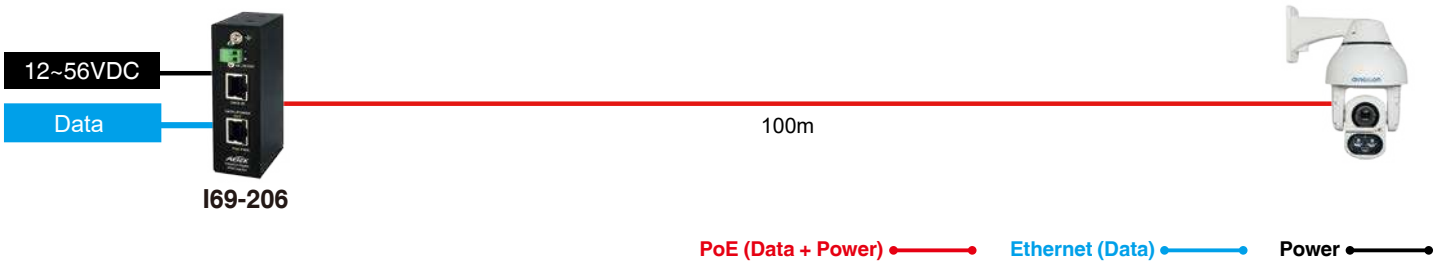


Applications

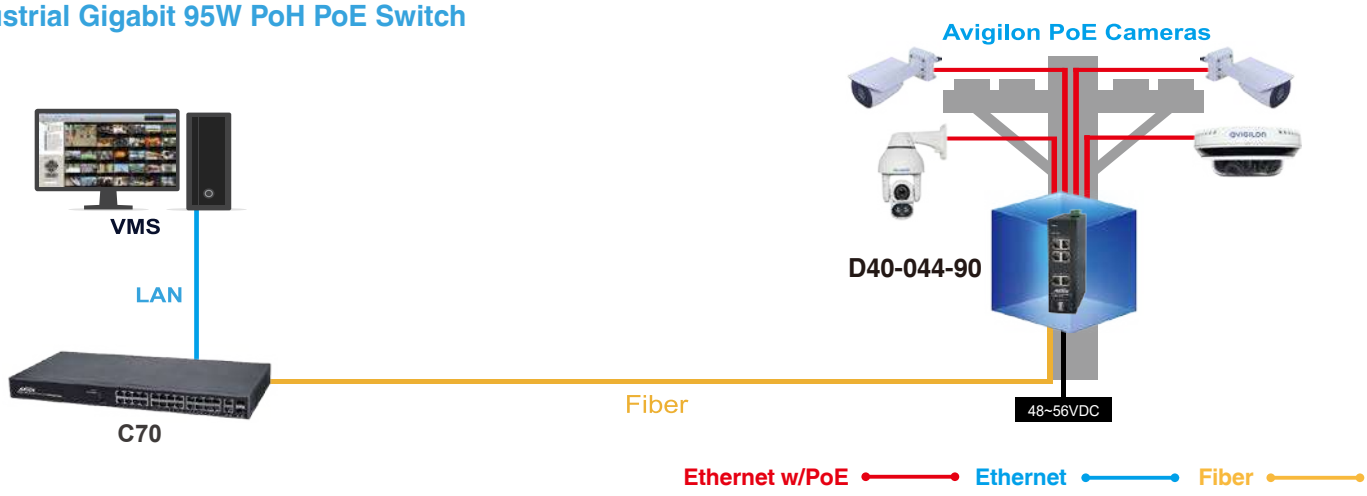
Outdoor Gigabit 60W/95W PoH PoE Injector



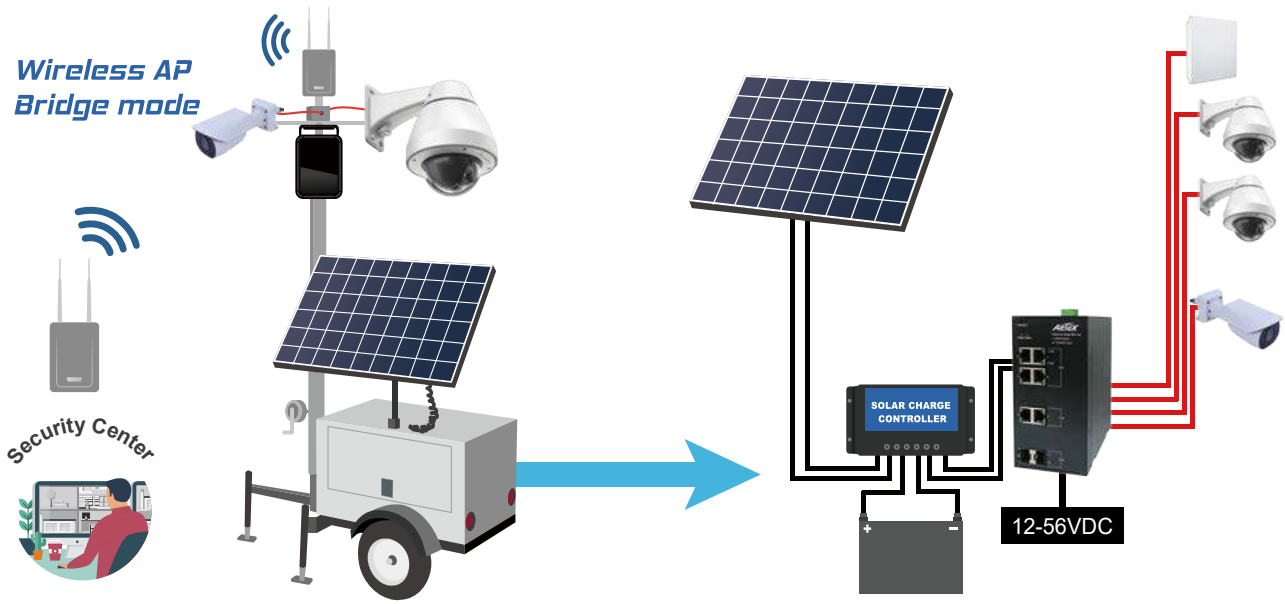
Industrial Gigabit 95W PoH PoE Injector w/ 12V~56VDC Input



Industrial Gigabit 95W PoH PoE Switch

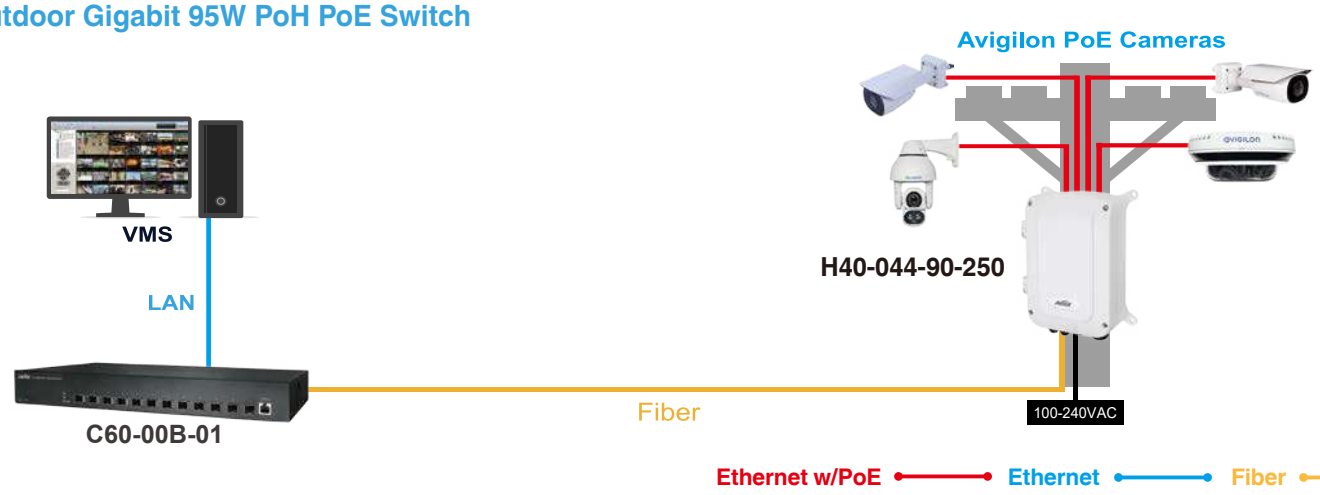


Industrial Gigabit 95W PoH PoE Switch w/ 12V~56VDC Input



Applications

Outdoor Gigabit 95W PoH PoE Switch







Double "A"
for IP Surveillance

AETEK 90W bt PoE Switch/Injector works with Avigilon H5A PTZ / H5A IR PTZ PoE IP Cameras

Why needs AETEK's 90W bt PoE Switch / Injector ?

- Feeds 90W bt PoE to H5A PTZ / H5A IR PTZ Camera
- Multiple 90W bt PoE Output
- Works between -40°C and 75°C outdoor harsh environments
- 6KV surge protection on each PoE port
- GbE(RJ45) & GbE SFP optical fiber as uplink/downlink ports
- Sufficient Gigabit bandwidth



Avigilon PoE IP Cameras



Avigilon H5A PTZ

- 2.0C-H5A-PTZ-DP36
- 2.0C-H5A-PTZ-DC36
- 4.0C-H5A-PTZ-DP36
- 4.0C-H5A-PTZ-DC36
- 8.0C-H5A-PTZ-DP36
- 8.0C-H5A-PTZ-DC36



Avigilon H5A IR PTZ Camera

- 2.0C-H5A-IRPTZ-DP40-WP
- 4.0C-H5A-IRPTZ-DP36-WP
- 8.0C-H5A-IRPTZ-DP36-WP

IP67, IK10
-40°C~ 65°C

Avigilon H5A PTZ:
2.0C-H5A-PTZ-DP36
2.0C-H5A-PTZ-DC36
4.0C-H5A-PTZ-DP36
4.0C-H5A-PTZ-DC36
8.0C-H5A-PTZ-DP36
8.0C-H5A-PTZ-DC36





H5A IR PTZ CAMERA:
2.0C-H5A-IRPTZ-DP40-WP
4.0C-H5A-IRPTZ-DP36-WP
8.0C-H5A-IRPTZ-DP36-WP



IP67, IK10
-40°C~ 65°C



90W bt PoE Switch / Injector Product Guide

Indoor Gigabit 60W/90W bt PoE Injector



I36-210

Features
- Provides 60W of PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates



I39-210

Features
- Provides 90W of PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates

Outdoor Gigabit 60W/90W bt PoE Injector



I46-210

Features
- Outdoor IP67, IK10, -40°C ~ 65°C
- Provides 60W bt PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates



I49-210

Features
- Outdoor IP67, IK10, -40°C ~ 65°C
- Provides 90W bt PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates



I46-201-A

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

Industrial Gigabit 90W PoE Injector



I69-210

Features
- Provides 90W bt PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- -40°C ~ 75°C operating temperature



I69-216

Features
- 12~56VDC Power Input
- Provides 90W bt PoE over 4-pairs UTP/STP
- 6KV PoE surge protection
- Supports 10/100/1000Mbps data rates
- -40°C ~ 75°C operating temperature

Industrial Gigabit 90W bt PoE Media Converter



M30-022-91

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

Industrial Gigabit Ethernet 90W PoE Switch



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



D40-044-91-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

Din-Rail Industrial L2 Gigabit Ethernet PoE Switch



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



D51-044-91-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

Din-Rail Industrial L2 PRO Gigabit Ethernet PoE Switch



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



D60-044-91-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

Outdoor Gigabit 90W bt PoE Switch



H40-022-91-120

Features
- Outdoor IP67, IK10, -40°C~ 65°C
- 2-port Gigabit 90W bt PoE + 2-port Gigabit SFP
- 6KV PoE surge protection



H40-044-91-250

Features
- Outdoor IP67, IK10, -40°C~ 65°C
- 4-port Gigabit 90W bt PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection



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



H40-022-91-120-A

Features

- IP67, IK10, -40°C~ 65°C
- 30W at, 60W/90W bt PoE output
- 2-port Gigabit 90W PoH PoE + 2-port Gigabit SFP
- 6KV PoE surge protection
- For Avigilon PTZ/IR PTZ/Multisensor
- 100~240VAC 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



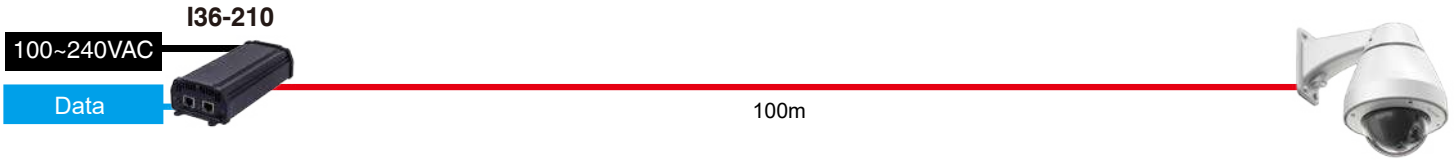
H40-044-91-250

Features

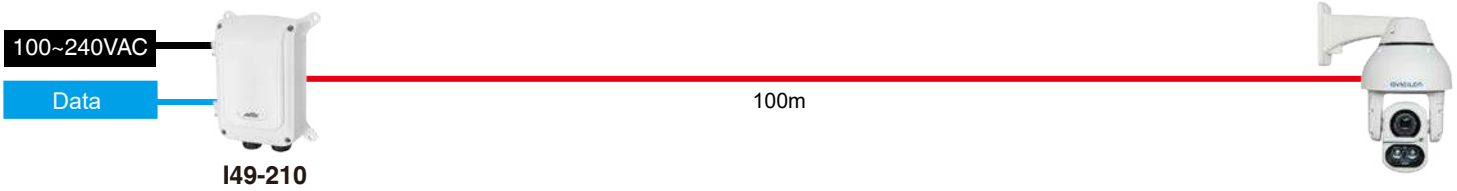
- IP67, IK10, -40°C~ 65°C
- 30W at, 60W/90W bt PoE output
- 4-port Gigabit 90W bt PoE + 2-port Gigabit RJ45 + 2-port Gigabit SFP
- 6KV PoE surge protection
- 100~240VAC input power

Applications

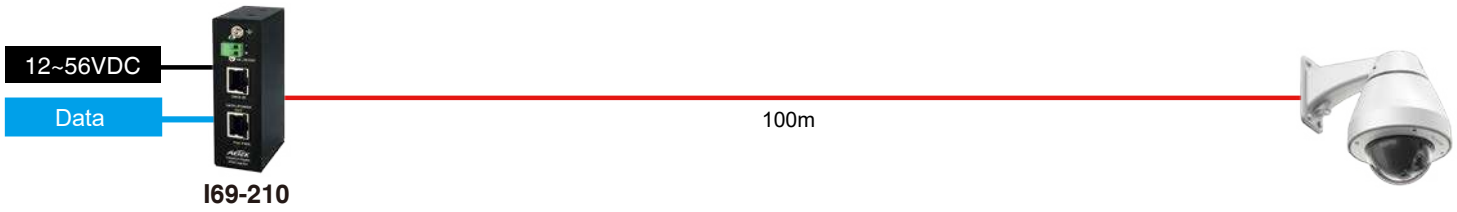
Indoor Gigabit 60W/90W bt PoE Injector



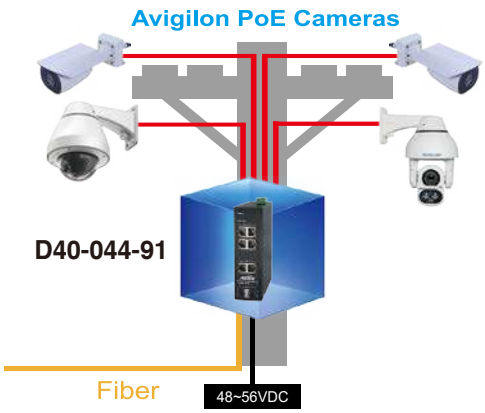
Outdoor Gigabit 60W/90W bt PoE Injector



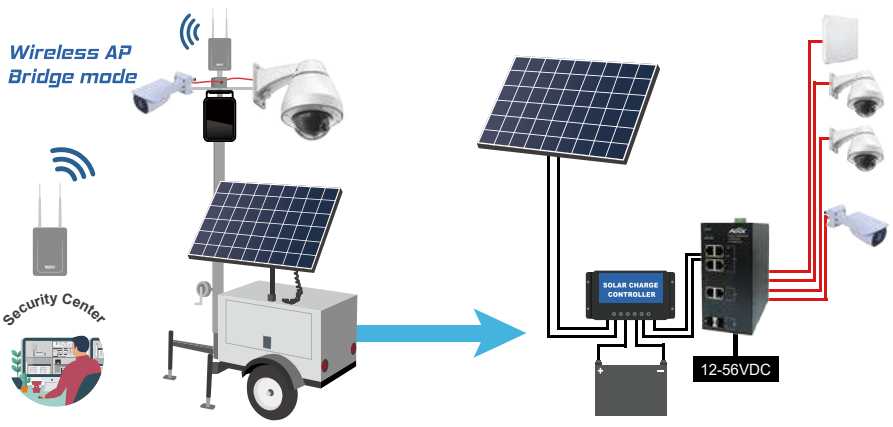
Industrial Gigabit 90W bt PoE Injector w/ 12V~56VDC Input



Industrial Gigabit 90W bt PoE Switch



Industrial Gigabit 90W bt PoE Switch w/ 12V~56VDC Input



Applications











AETEK EPoC Products work with Avigilon PoE IP Cameras

Why Needs AETEK EPoC to Work with Avigilon Camera ?

- Migrates analog CCTV to Avigilon IP Surveillance using existing coaxial cables
- Extends Ethernet beyond 100m(328ft) limitation
- Back-up Ethernet transmission by ring topology



In order to acquire accurate data after testing AETEK IP surveillance peripherals with Avigilon PoE IP cameras, we use the latest Avigilon H4 PTZ / H4 IR PTZ / H5A PTZ speed dome to do field test.

The illustrations based on following diagram measured by renowned networking gears like Smartbits.

Field test



Testing Gears - SmartBits





Long Range PoE & Ethernet Product Guide

Avigilon PoE IP Cameras

Avigilon H4 Box camera



- 1.0C-H4A-B3
- 2.0C-H4A-B1
- 2.0C-H4A-B2
- 2.0C-H4A-B3
- 3.0C-H4A-B1
- 3.0C-H4A-B2
- 3.0C-H4A-B3
- 5.0L-H4A-B2
- 5.0L-H4A-B3
- 8.0-H4A-B2

Avigilon H5A Box Camera



- 2.0C-H5A-B1
- 2.0C-H5A-B2
- 4.0C-H5A-B2
- 4.0C-H5A-B3
- 6.0C-H5A-B2
- 8.0C-H5A-B2

Avigilon Outdoor Bullet Camera



- 3.0-H4A-BO1-IR

Avigilon H4 PRO Box camera



- 8L-H4 PRO-B - 4K (8 MP)

Avigilon H4 Fisheye



- 6.0L-H4F-DO1-IR
- 12.0-H4F-DO1-IR

Avigilon Outdoor Bullet Camera



- 2.0C-H5A-BO1-IR
- 5.0C-H5A-BO2-IR
- 2.0C-H5A-BO2-IR
- 6.0C-H5A-BO1-IR
- 4.0C-H5A-BO1-IR
- 8.0C-H5A-BO1-IR 8.0
- 4.0C-H5A-BO2-IR

Avigilon H4 PTZ



- 2.0C-H4PTZ-DC30

Avigilon H5A PTZ



- 2.0C-H5A-PTZ-DP36
- 4.0C-H5A-PTZ-DC36
- 2.0C-H5A-PTZ-DC36
- 8.0C-H5A-PTZ-DP36
- 4.0C-H5A-PTZ-DP36
- 8.0C-H5A-PTZ-DC36

Avigilon H4 IR PTZ



- 1.0C-H4IRPTZ-DP45
- 2.0C-H4IRPTZ-DP30
- 1.0C-H4IRPTZ-DP45-WP
- 2.0C-H4IRPTZ-DP30-WP

Avigilon H5A IR PTZ Camera



- 2.0C-H5A-IRPTZ-DP40-WP
- 4.0C-H5A-IRPTZ-DP36-WP
- 8.0C-H5A-IRPTZ-DP36-WP

AETEK EPoC Product Line

EPoC RX Switch

XC10-041-250



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

XC10-084-380



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

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 TX Series

XE10-110-TX



- 1-to-1 EPoC adapter (TX)

XE12-120-TX



- 1-to-2 EPoC adapter (TX)

XE22-120-TX



- 1-to-2, Outdoor EPoC adapter (TX) with IP67/IK10/6KV Surge protection

XE22-110-TX



- 1-to-1, Outdoor EPoC adapter (TX) with IP67/IK10/6KV Surge protection

EPoC TX Camera Housing Series

A5000-E



- EPoC Camera Housing

A5020-E



- EPoC Camera Housing with IR illuminator (MAX: 50m)

M2000 Series



- AI Camera Housing – AC24V input

M6000 Series

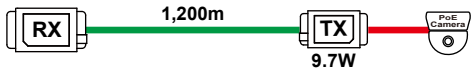


- AI Camera Housing – PoE input (90W bt PoE Input)

Test Diagram

EPoC (Ethernet & Power over Coax)

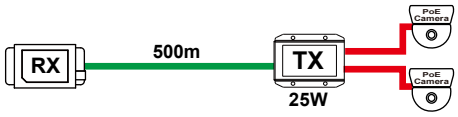
A: 1 - to - 1



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

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

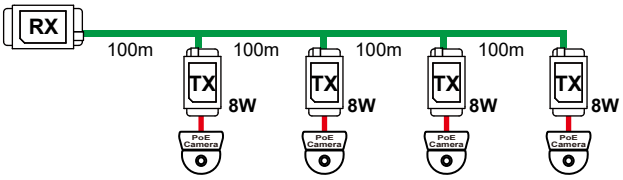
B: 1 - to - Multi



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

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

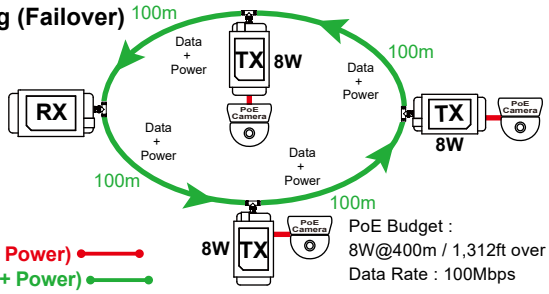
C: Daisy - Chain



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)

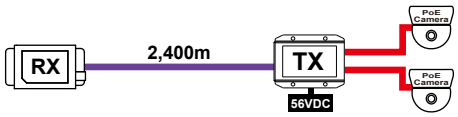
E: 1 - to - 1



Power
Coax (Data)
PoE (Data + Power)

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

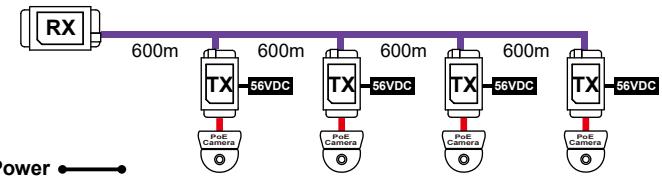
F: 1 - to - Multi



Power
Coax (Data)
PoE (Data + Power)

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

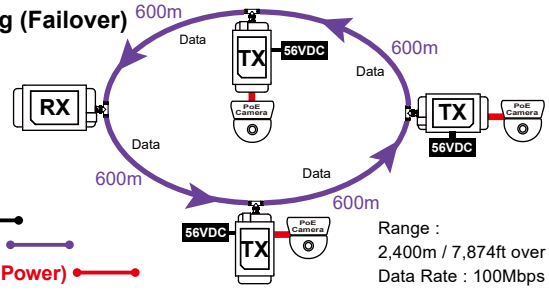
G: Daisy - Chain



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 Test Diagram

EPoC 1 - to - 1 Test



EPoC 1 - to - Multi Test



EPoC Daisy-Chain Test



EPoC Ring(Failover) Test



EPoC Camera Housing 1 - to - 1 Test



EoC Ring(Failover) Test



Avigilon H4 Box camera Test

ID	Topology		Power Consumption	Distance	Data Rate	Test results
 • 1.0C-H4A-B3 • 2.0C-H4A-B1 • 2.0C-H4A-B2 • 2.0C-H4A-B3 • 3.0C-H4A-B1 • 3.0C-H4A-B2 • 3.0C-H4A-B3 • 5.0L-H4A-B2 • 5.0L-H4A-B3 • 8.0-H4A-B2	EPoC 1-to-1	A:	8W	1,200m	100Mbps	Pass
	EPoC 1-to-Multi	B:	8W	1,200m	100Mbps	Pass
	EPoC Daisy-Chain	C:	8W	1,200m	100Mbps	Pass
	EPoC Ring(Failover)	D:	8W	1,200m	100Mbps	Pass
	EoC 1-to-1	E:	8W	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	8W	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	8W	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	8W	2,400m	100Mbps	Pass
 A5020-E EPoC Camera Housing	EPoC 1-to-1	A:	25W	500m	100Mbps	Pass

Avigilon H5A Box Camera Test

ID	Topology		Power Consumption	Distance	Data Rate	Test results
 Box Camera (H5A-B) • 2.0C-H5A-B1 • 4.0C-H5A-B2 • 6.0C-H5A-B2 • 2.0C-H5A-B2 • 4.0C-H5A-B3 • 8.0C-H5A-B2	EPoC 1-to-1	A:	8W	1,200m	100Mbps	Pass
	EPoC 1-to-Multi	B:	8W	1,200m	100Mbps	Pass
	EPoC Daisy-Chain	C:	8W	1,200m	100Mbps	Pass
	EPoC Ring(Failover)	D:	8W	1,200m	100Mbps	Pass
	EoC 1-to-1	E:	8W	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	8W	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	8W	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	8W	2,400m	100Mbps	Pass
 A5020-E EPoC Camera Housing	EPoC 1-to-1	A:	25W	500m	100Mbps	Pass

Avigilon Outdoor H4 Bullet Camera Test

ID	Topology		Power Consumption	Distance	Data Rate	
 3.0-H4A-BO1-IR: H4 HD Bullet 3MP PoE IP camera	EPoC 1-to-1	A:	13W	800m	100Mbps	Pass
	EPoC 1-to-Multi	B:	13W	500m	100Mbps	Pass
	EPoC Daisy-Chain	C:	13W	500m	100Mbps	Pass
	EoC 1-to-1	E:	13W	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	13W	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	13W	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	13W	2,400m	100Mbps	Pass

Avigilon Outdoor H5A Bullet Camera Test

ID	Topology		Power Consumption	Distance	Data Rate	
 Outdoor Bullet Camera (H5A-BO-IR) • 2.0C-H5A-BO1-IR • 2.0C-H5A-BO2-IR • 4.0C-H5A-BO1-IR • 4.0C-H5A-BO2-IR • 5.0C-H5A-BO2-IR • 6.0C-H5A-BO1-IR • 8.0C-H5A-BO1-IR 8.0	EPoC 1-to-1	A:	13W	800m	100Mbps	Pass
	EPoC 1-to-Multi	B:	13W	500m	100Mbps	Pass
	EPoC Daisy-Chain	C:	13W	500m	100Mbps	Pass
	EoC 1-to-1	E:	13W	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	13W	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	13W	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	13W	2,400m	100Mbps	Pass

Avigilon H4 PRO Box camera Test

ID	Topology		Power Consumption	Distance	Data Rate	Test results
 8L-H4 PRO-B-4K with Canon 70-200mm	EPoC 1-to-1	A:	13W	800m	100Mbps	Pass
	EPoC 1-to-Multi	B:	13W	500m	100Mbps	Pass
	EPoC Daisy-Chain	C:	13W	600m	100Mbps	Pass
	EPoC Ring(Failover)	D:	13W	2,400m	100Mbps	Pass
	EoC 1-to-1	E:	13W	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	13W	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	13W	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	13W	2,400m	100Mbps	Pass
 A5020-E EPoC Camera Housing	EPoC 1-to-1	A:	25W	500m	100Mbps	Pass

Avigilon H4 Fisheye Test

ID	Topology		Power Consumption	Distance	Data Rate	Test results
 • 6.0L-H4F-DO1-IR • 12.0L-H4F-DO1-IR	EPoC 1-to-1	A:	25.5W	500m	100Mbps	Pass
	EoC 1-to-1	E:	25.5W	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	25.5W	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	25.5W	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	25.5W	2,400m	100Mbps	Pass

Avigilon H4 PTZ Test

ID	Topology		Distance	Data Rate	Test results
 • 2.0C-H4PTZ-DC30	EoC 1-to-1	E:	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	2,400m	100Mbps	Pass

Avigilon H4 IR PTZ Test

ID	Topology		Distance	Data Rate	Test results
 • 1.0C-H4IRPTZ-DP45 • 2.0C-H4IRPTZ-DP30 • 1.0C-H4IRPTZ-DP45-WP • 2.0C-H4IRPTZ-DP30-WP	EoC 1-to-1	E:	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	2,400m	100Mbps	Pass

Avigilon H5A PTZ Test

ID	Topology		Distance	Data Rate	Test results
 • 2.0C-H5A-PTZ-DP36 • 2.0C-H5A-PTZ-DC36 • 4.0C-H5A-PTZ-DP36 • 4.0C-H5A-PTZ-DC36 • 8.0C-H5A-PTZ-DP36 • 8.0C-H5A-PTZ-DC36	EoC 1-to-1	E:	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	2,400m	100Mbps	Pass

Avigilon H5A IR PTZ Test

ID	Topology		Distance	Data Rate	Test results
 • 2.0C-H5A-IRPTZ-DP40-WP • 4.0C-H5A-IRPTZ-DP36-WP • 8.0C-H5A-IRPTZ-DP36-WP	EoC 1-to-1	E:	2,400m	100Mbps	Pass
	EoC 1-to-Multi	F:	2,400m	100Mbps	Pass
	EoC Daisy-Chain	G:	2,400m	100Mbps	Pass
	EoC Ring(Failover)	H:	2,400m	100Mbps	Pass



AETEK L2 PRO PoE Switches work with Avigilon PoE IP Cameras

Avigilon Camera Controller

- Automatic discovery for Avigilon PoE IP camera
- Generate camera topology automatically
- Graphic grouping VLAN
- Cable diagnostic & reboot camera remotely
- PoE management
- Topology view/Floor view/Google map view
- Monitor/Configure/Manage Avigilon PoE IP camera remotely



The L2 PRO PoE Switch series from AETEK offers a broad range of Layer 2 PoE Switches,equipped with multi-port Gigabit PoE (10M/100M/1G)and SFP transceiver (100M/1G) slots for flexible link complying with 30W PoE or 90W PoE power budget for any application.

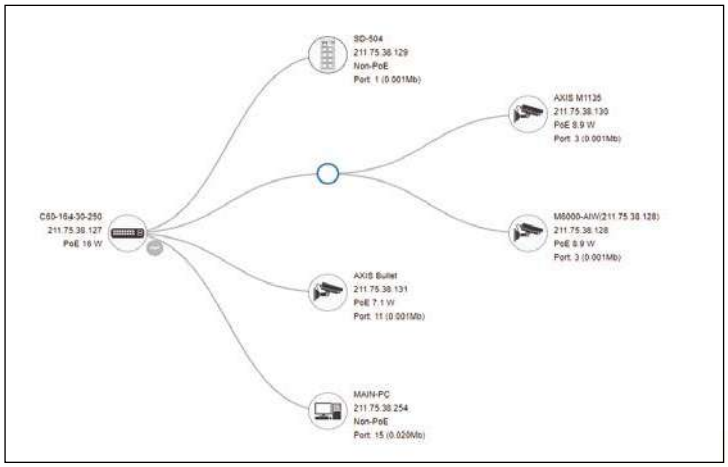
Field test



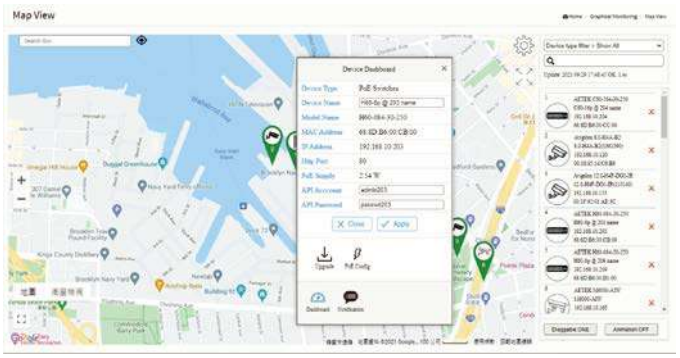
Testung Gears - SmartBits



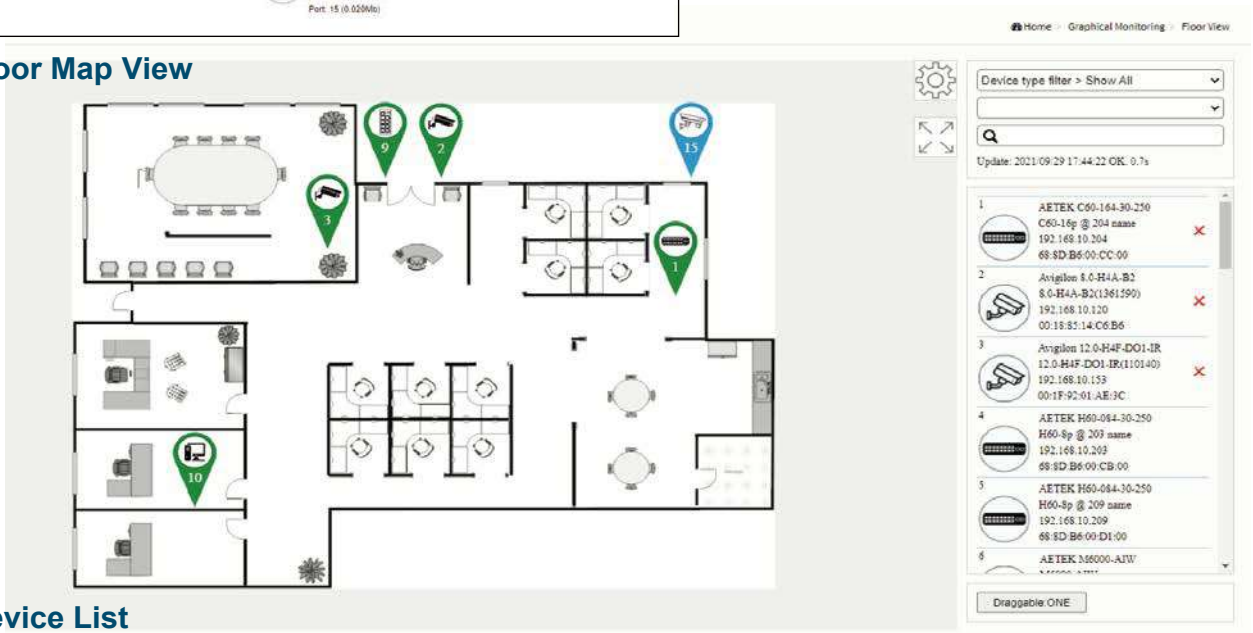
Network Topology System



Google Map View



Floor Map View



Device List

Device List

Show 10 entries Search:

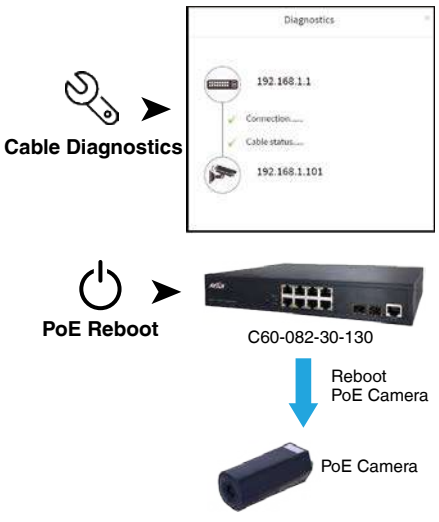
Status	Device Type	Model Name	Device Name	MAC	IP Address
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Online	PoESW	H60-084-30-250	H60-8p @ 209 name	68:8D:B6:00:D1:00	192.168.10.209
Online	IPMX	M6000-AIW	M6000-AIW	68:8D:B6:01:E1:B1	192.168.10.165
Online	IP Camera	SNC-VB635	Sony	D8:D4:3C:DD:F5:C7	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

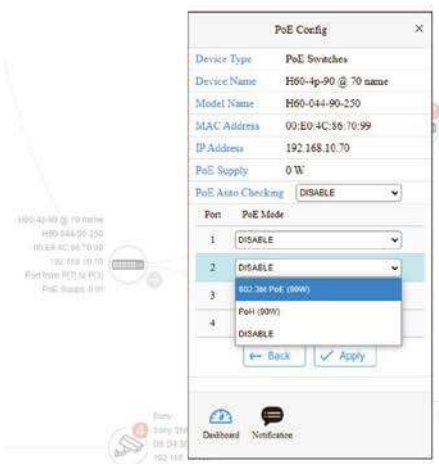
Edit

Camera Dashboard





L2 PRO Gigabit PoE Switch Dashboard



Outdoor IP67, IK10 Type Powered by 100~240VAC



C60-082-30-130
- 8xGbE PoE+2xGbE SFP
- 100~240VAC, 130W power budget
- 0°C ~ 50°C (32°F ~ 122°F)



C60-164-30-250
- 16xGbE PoE+2xGbE RJ45+2xGbE SFP
- 100~240VAC, 250W power budget
- 0°C ~ 50°C (32°F ~ 122°F)



C60-244-30-370
- 24xGbE PoE+2xGbE RJ45+2xGbE SFP
- 100~240VAC, 370W power budget
- 0°C ~ 50°C (32°F ~ 122°F)

Industrial Din-Rail Type Powered by 48~56VDC



D60-044-30
- 4xGbE PoE (30W) +2xGbE SFP + 2xGbE RJ45
- 48~56VDC Input
- -40°C~75°C (-40°F~167°F)



D60-044-90
- 4xGbE bt / PoH PoE (90W) + 2xGbE SFP + 2xGbE RJ45
- 48~56VDC Input
- -40°C~75°C (-40°F~167°F)



D60-044-91
- 4xGbE bt PoE (90W) + 2xGbE SFP + 2xGbE RJ45
- 48~56VDC Input
- -40°C~75°C (-40°F~167°F)



D60-084-30
- 8xGbE PoE (30W) + 4xGbE SFP
- 48~56VDC Input
- -40°C~75°C (-40°F~167°F)

Industrial Din-Rail Type Powered by 12-56VDC



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



D60-044-90-DC
- 4xGbE bt / PoH PoE (90W) + 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)

Outdoor IP67, IK10 Type Powered by 100~240VAC



H60-044-30-150
- 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45
- 100~240VAC,150W power budget
- -40°C~ 65°C (-40°F~ 149°F)



H60-044-90-250
- 4xGbE bt / PoH PoE (90W)+2xGbE SFP + 2xGbE RJ45
- 100~240VAC, 250W power budget
- -40°C~ 65°C (-40°F~ 149°F)



H60-044-91-250
- 4xGbE bt PoE (90W)+2xGbE SFP + 2xGbE RJ45
- 100~240VAC, 250W power budget
- -40°C~ 65°C (-40°F~ 149°F)



H60-084-30-250
- 8xGbE PoE (30W) + 4xGbE SFP
- 100~240VAC, 250W power budget
- -40°C~ 65°C (-40°F~ 149°F)

Outdoor IP67, IK10 Type Powered by 12-56VDC



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



H60-044-90-DC
- 4xGbE bt / PoH PoE (90W)+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)

Indoor rack-mounted 19" Type

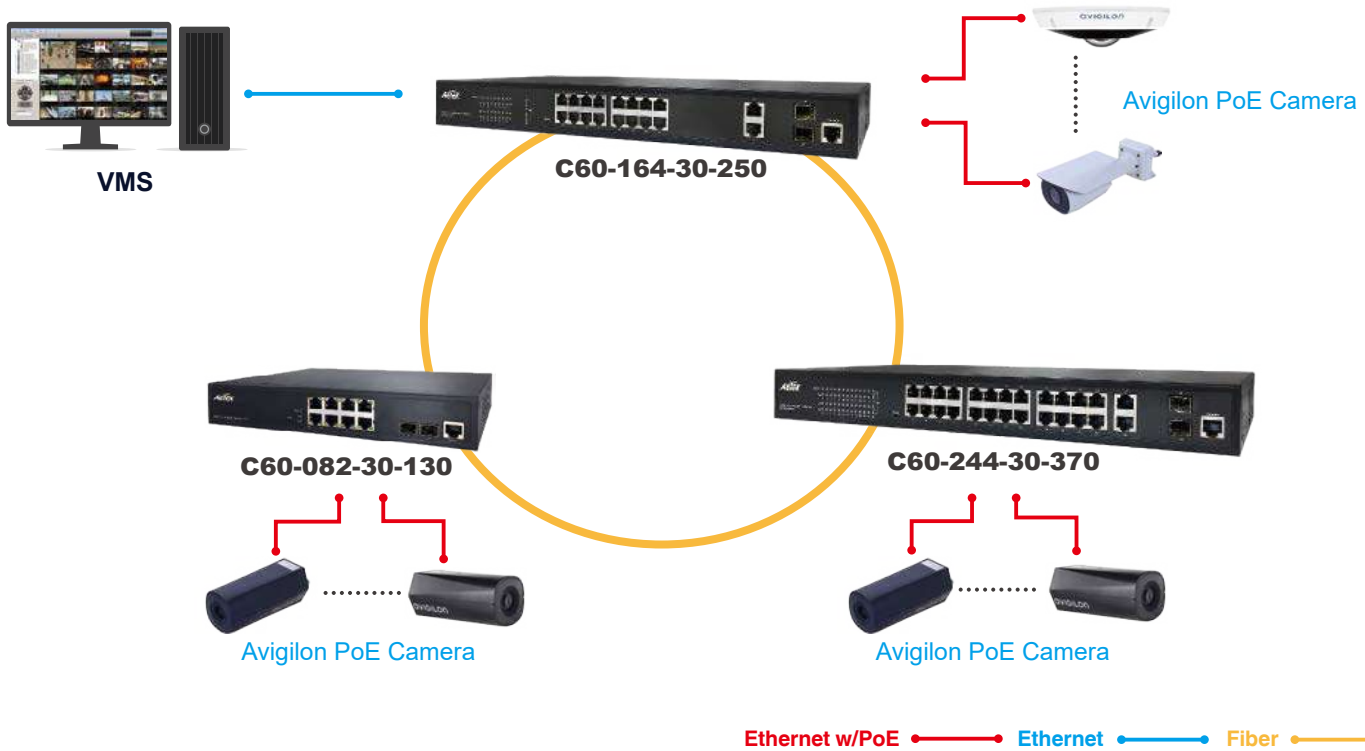


C60-00B-01
- Indoor 12x1G/10G SFP+
- 100-240VAC
- 0°C ~ 50°C (32°F ~ 122°F)

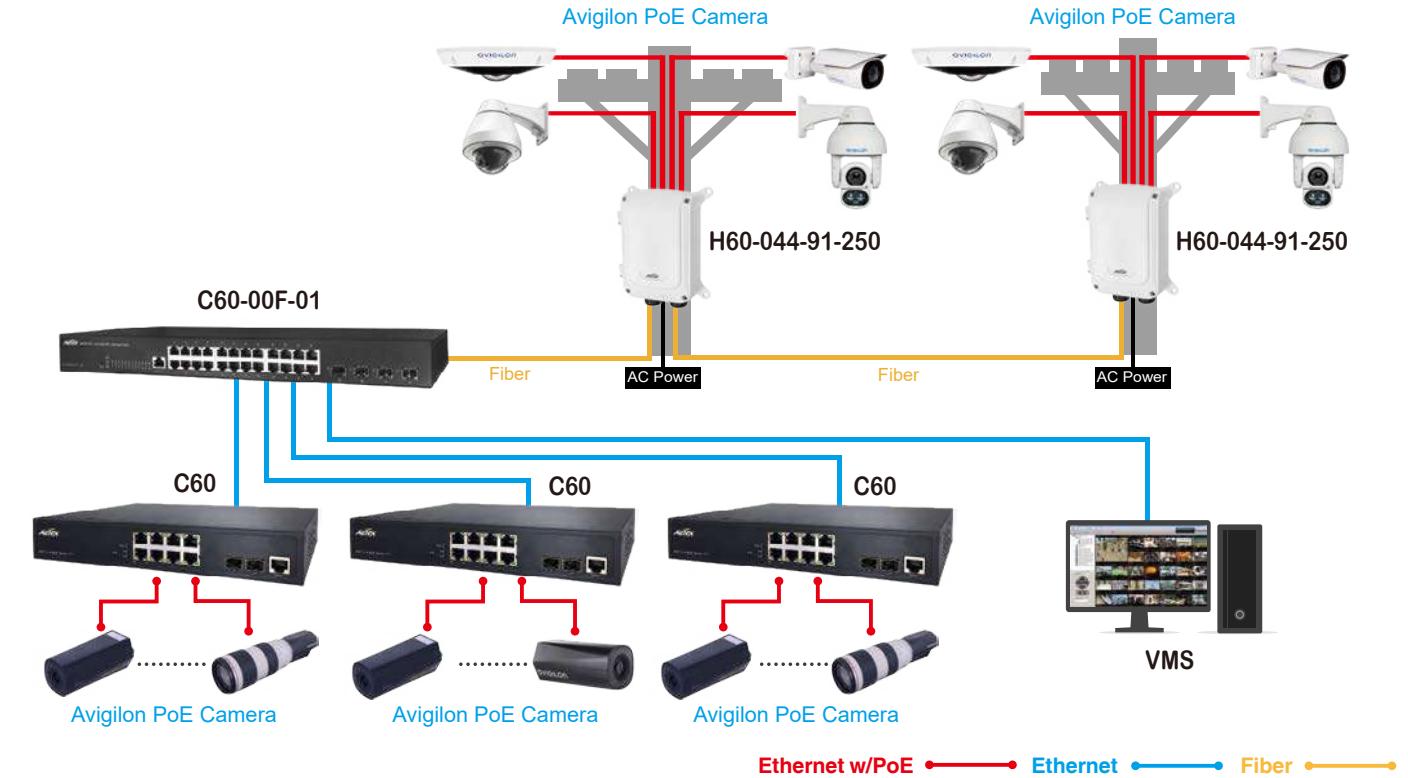


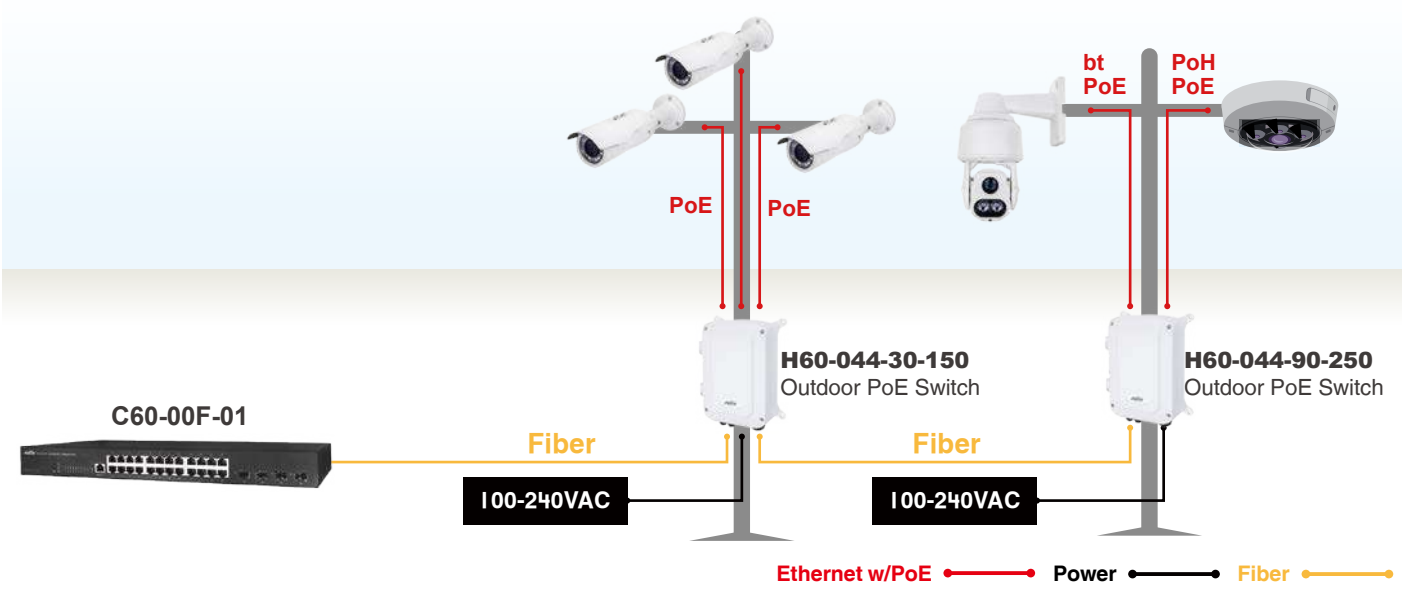
C60-00F-01
- Indoor 24xGbE RJ45 + 4x1G/10G SFP+
- 100-240VAC
- 0°C ~ 50°C (32°F ~ 122°F)

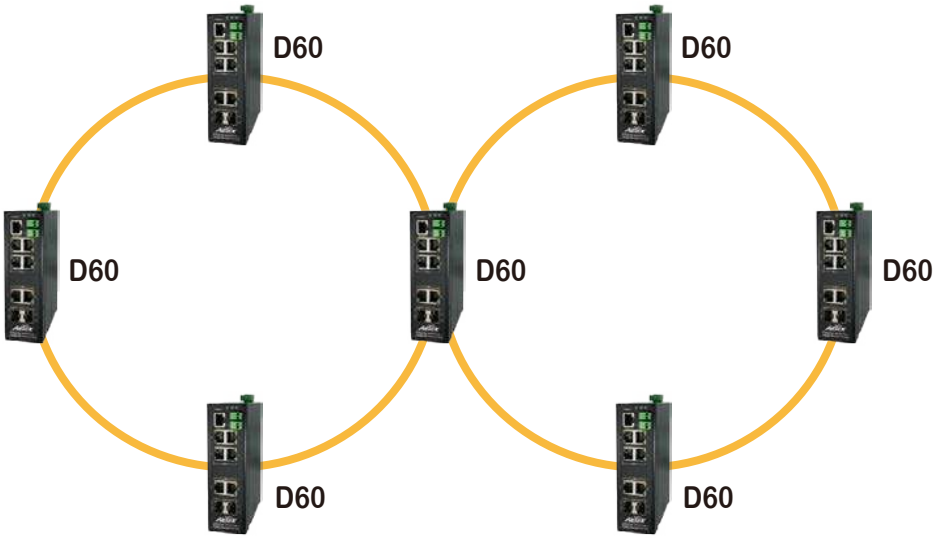
Applications



Applications











AI Camera Housing – PoE input

work with Avigilon H5A-B / H5 PRO Box Camera

Clear Imagine for Accurate Analysis



Features

- Spray water and active wiper to clean camera housing window over GUI
- Adjust IR beam angle suiting focal lens of H5A-B / H5 PRO Box camera over GUI
- Detect status of temperature, humidity, blower, and heater inside camera housing over GUI
- Avigilon H5A-B / H5 PRO box camera line intergrate with all-in-one AETEK's AI PoE camera housing including IK10 aluminum casting shell, IR illuminator, heater, and blower to perform accurate video analysis over single PoE Ethernet cable in any environment

Avigilon	H5A-B box camera	Avigilon	H5 PRO box camera
	2.0C-H5A-B1		8C-H5PRO-B
	2.0C-H5A-B2		16C-H5PRO-B
	4.0C-H5A-B2		26C-H5PRO-B
	4.0C-H5A-B3		40C-H5PRO-B
	6.0C-H5A-B2		61C-H5PRO-B
	8.0C-H5A-B2		

AI Camera Housing Wiper Operating





AI Camera Housing IR Operating





AI Camera Housing Video Link

https://youtu.be/F2VhLncp1GA



Rain



Clear



Dust



Clear



Darkness



Clear

M2000 AI Camera Housing – AC24V input



M2000-I

Features
- IP68/IK10
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- AC24V input
- Aluminum die casting body



M2000-IW

Features
- IP66/IK10
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- Wiper
- AC24V input
- Aluminum die casting body



M2000-AI

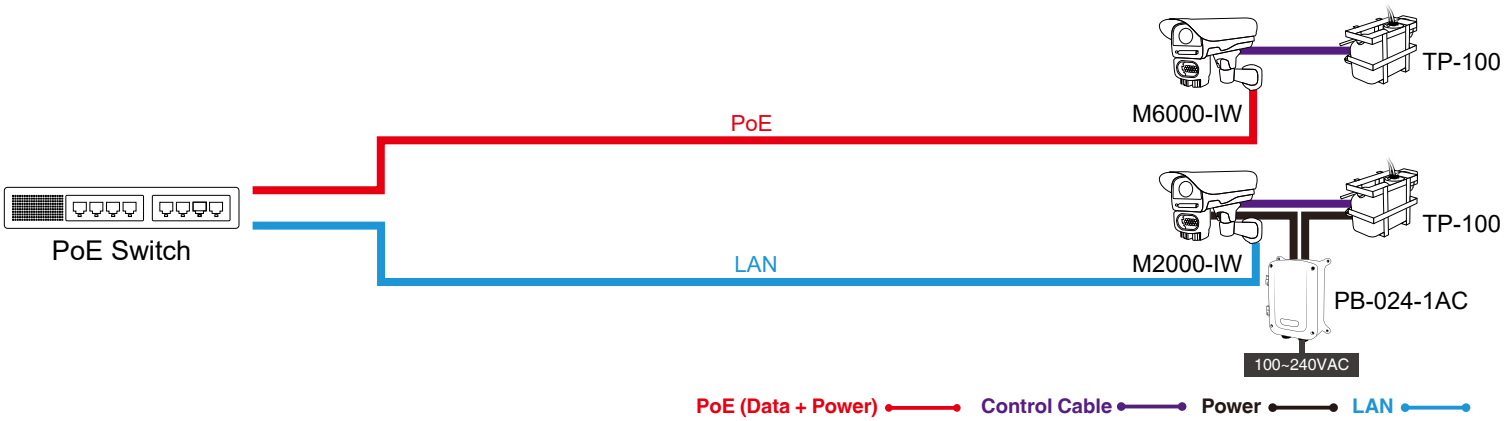
Features
- IP68/IK10
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- Arctic cold start heater at -40°C (operating temperature -50°C)
- AC24V input
- Aluminum die casting body



M2000-AIW

Features
- IP66/IK10
- Window heater & blower
- Adjustable sunshield
- Optional VAIR illuminator
- Arctic cold start heater at -40°C (operating temperature -50°C)
- Wiper
- AC24V input
- Aluminum die casting body

Application



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



M6000-I

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



M6000-AI

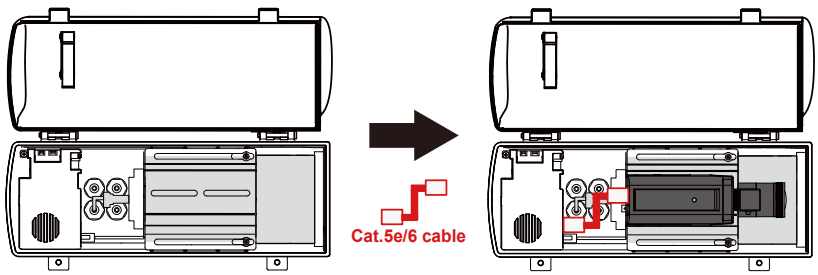
Features
- **Arctic cold start heater at -40°C (operating temperature at -50°C)**
- IP68 rated, IK10 vandal proof
- Web UI Control
- Window heater & blower
- Adjustable sunshield
- 90W bt PoE input
- Aluminum die casting body



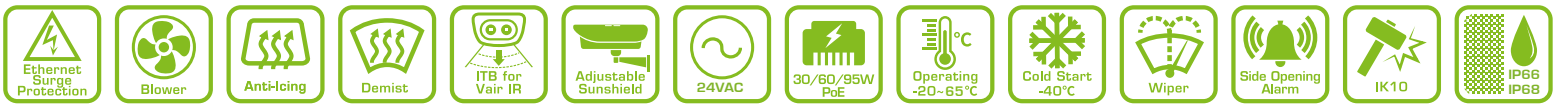
M6000-AIW

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 PoE input
- Aluminum die casting body

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







AETEK Camera Housing for Avigilon Box Camera



Avigilon H4 HD Camera
AETEK Camera Housing



Avigilon H4 PRO Camera
w/ Canon 70-200mm Lens
w/ AETEK Camera Housing



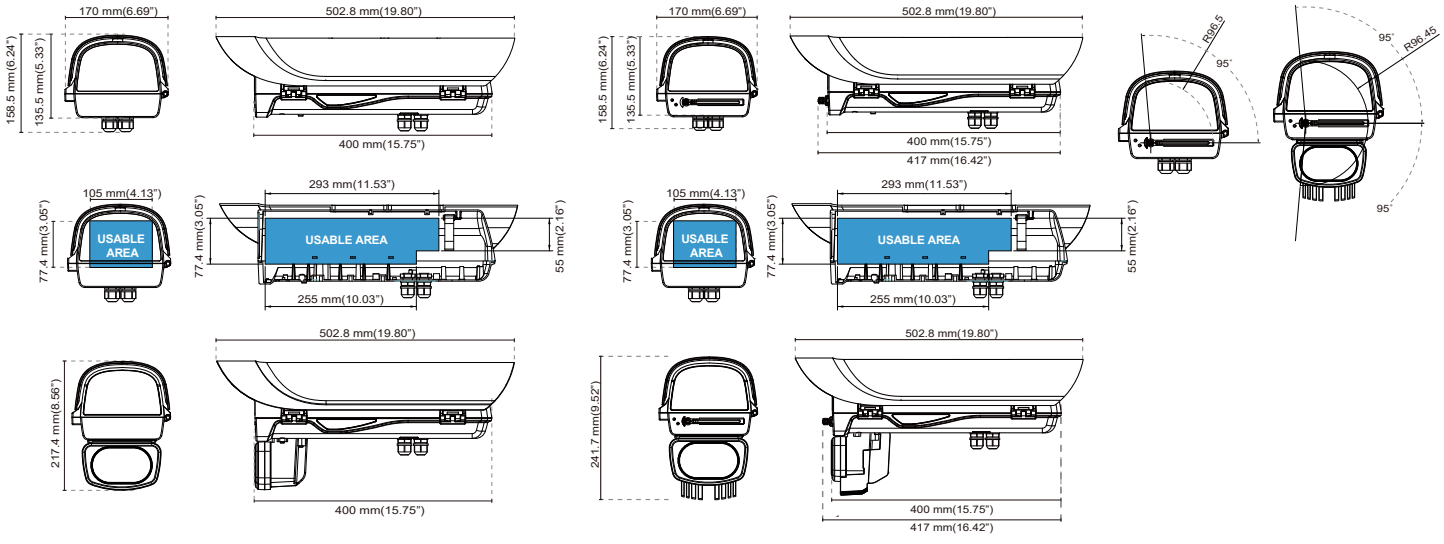
Avigilon H5A Box Camera
AETEK Camera Housing

Box Camera (H5A-B)	
2.0C-H5A-B1	2.0C-H5A-B2
4.0C-H5A-B2	4.0C-H5A-B3
6.0C-H5A-B2	8.0C-H5A-B2

AETEEK Camera Housing



Dimensions



Unique Features on Professional Camera Housings

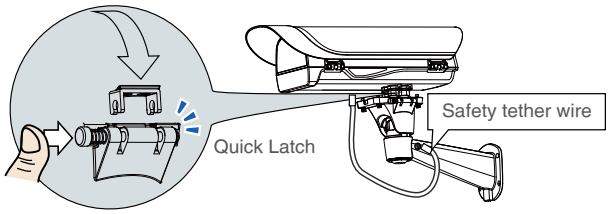
ITB(Illuminator Touch Board) for optional 12W/24W/48W VAIR illuminator

Without exposing power cable & RS485 wire for illuminator



Optional BK-101 wall mount bracket

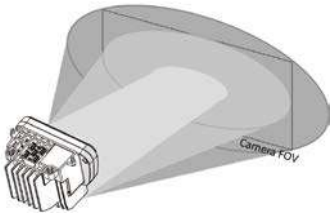
Safety tether wire & Quick latch for safety installation

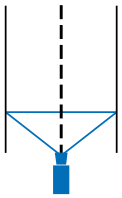


ITB for optional VAIR on Professional Models

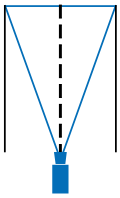
VAIR Illuminator Technology

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



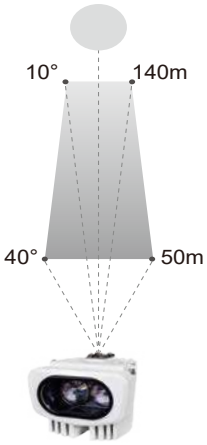


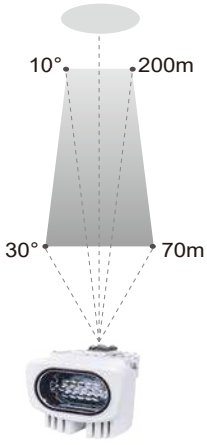
Wide angle for short distance

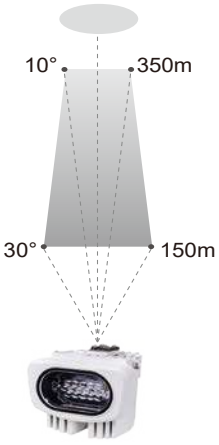


Tele angle for long distance

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







Optional Wiper & Water Tank





Video Clip Link

P20 Series - Professional AC24V Camera Housing

P2000-I



P2000-AI



P2000-IW



P2000-AIW



Matrix Table

	AC24V In	Window Heater	Camera Heater (-50 ℃ ~50 ℃)	Adjustable Sunshield	Blower	ITB for 12/24W VAIR	ITB for 48W VAIR	Side-Opening Alarm	Wiper	IP66	IP68
P2000-I	v	v	-	v	v	v	v	v	-	-	v
P2000-AI	v	v	v	v	v	v	v	v	-	-	v
P2000-IW	v	v	-	v	v	v	v	v	v	v	-
P2000-AIW	v	v	v	v	v	v	v	v	v	v	-

P60 Series - Professional 90W PoE Camera Housing

P6000-I



P6000-IW



Matrix Table

	PoE 90W Input	Window Heater	Adjustable Sunshield	Blower	ITB for 12/24W VAIR	ITB for 48W VAIR	Side-Opening Alarm	Wiper	IP66	IP68
P6000-I	v	v	v	v	v	v	v	-	-	v
P6000-IW	v	v	v	v	v	v	v	v	v	-

A10 Series - Affordable Camera Housing
A50 Series - Affordable PoE Camera Housing

A1000



A1020



A5000



A5020



Matrix Table

	AC24V/DC24V In	PoE 30W In	Window Heater	Adjustable Sunshield	Blower	Built-in 6W Fixed IR	IP66	IP68
A1000	v	-	v	v	v	-	-	v
A1020	v	-	v	v	v	v(50m)	v	-
A5000	-	v	v	v	v	-	-	v
A5020	-	v	v	v	v	v(50m)	v	-











P29_P69 Series - ANPR Camera Housing

P2900-IW Kit A



P2900-AIW Kit A



P6900-IW Kit A



Matrix Table

	AC24V in	90W PoE in	Window Heater	Cold Start Heater (-50°C~50°C)	Adjustable Sunshield	Blower	48W VAIR Illuminator	Side-Opening Alarm	Wiper	IP66
P2900-IW Kit A	v	-	v	-	v	v	v	v	v	v
P2900-AIW Kit A	v	-	v	v	v	v	v	v	v	v
P6900-IW Kit A	-	v	v	-	v	v	v	v	v	v

800m PoE Camera Housing over Coaxial Cable

A5000-E



A5020-E



A5100-E



Matrix Table

	EPoC In	MAX Distance	Output Power Budget	Germanium window	Window Heater	Adjustable Sunshield	Blower	Built-in 6W Fixed IR	6KV Surge Protection	IK10	IP66	IP68
A5000-E	v	600m(1,968ft)	20W	-	v	v	v	-	v	v	-	v
A5020-E	v	500m(1,640ft)	25W	-	v	v	v	50m (164ft)	v	v	v	-
A5100-E	v	800m(2,624ft)	15W	v	-	v	v	-	v	v	-	v

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

A5000-T



A5020-T



A5100-T

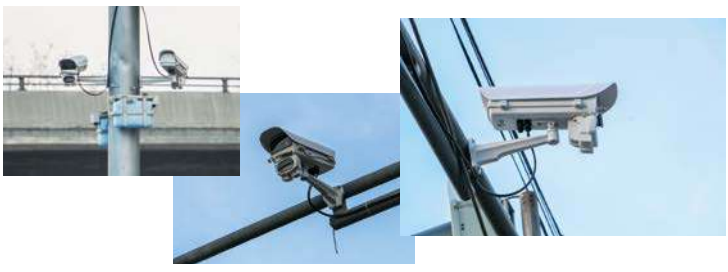


Matrix Table

	EPoT In	MAX Distance	Output Power Budget	Germanium window	Window Heater	Adjustable Sunshield	Blower	Built-in 6W Fixed IR	6KV Surge Protection	IK10	IP66	IP68
A5000-T	v	600m(1,968ft)	20W	-	v	v	v	-	v	v	-	v
A5020-T	v	500m(1,640ft)	25W	-	v	v	v	50m (164ft)	v	v	v	-
A5100-T	v	800m(2,624ft)	15W	v	-	v	v	-	v	v	-	v







AISI 316L Stainless Steel AC24V Camera Housing

S1000



S2000-I



S2000-IW



Matrix Table

	AC24V In	Window Heater	Adjustable Sunshield	Blower	12W VAIR Illuminator	Wiper	IP66	IP68
S1000	v	v	v	v	-	-	-	v
S2000-I	v	v	v	v	v	-	-	v
S2000-IW	v	v	v	v	v	v	v	-

AISI 316L Stainless Steel PoE Camera Housing

S5000



S6000-I



S6000-IW



Matrix Table

	PoE 30W In	PoE 60W/95W In	Window Heater	Adjustable Sunshield	Blower	12W VAIR Illuminator	Wiper	IP66	IP68
S5000	v	-	v	v	v	-	-	-	v
S6000-I	-	v	v	v	v	v	-	-	v
S6000-IW	-	v	v	v	v	v	v	v	-

800m PoE over Coaxial Cable Camera Housing

S5000-E



S5000-EI



S5100-E



Matrix Table

	EPoT In	MAX Distance	Output Power Budget	Germanium window	Window Heater	Adjustable Sunshield	Blower	12W VAIR Illuminator	6KV Surge Protection	IK10	IP66	IP68
S5000-E	v	600m(1,968ft)	20W	-	v	v	v	v	v	v	-	v
S5000-EI	v	400m(1,312ft)	32W	-	v	v	v	v	v	v	v	-
S5100-E	v	800m(2,624ft)	15W	v	-	v	v	v	v	v	-	v

800m PoE over UTP/STP Cable Camera Housing

S5000-T



S5000-TI



S5100-T

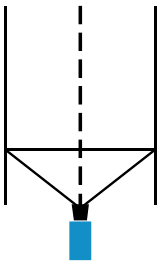


Matrix Table

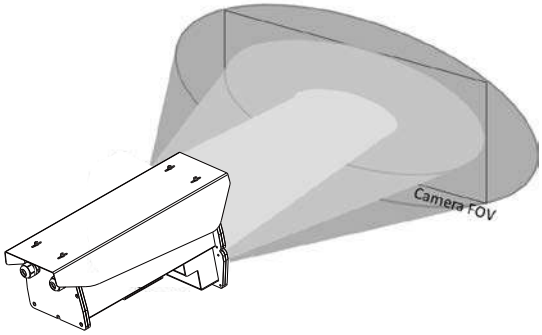
	EPoT In	MAX Distance	Output Power Budget	Germanium window	Window Heater	Adjustable Sunshield	Blower	12W VAIR Illuminator	6KV Surge Protection	IK10	IP66	IP68
S5000-T	v	600m(1,968ft)	20W	-	v	v	v	v	v	v	-	v
S5000-TI	v	400m(1,312ft)	32W	-	v	v	v	v	v	v	v	-
S5100-T	v	800m(2,624ft)	15W	v	-	v	v	v	v	v	-	v

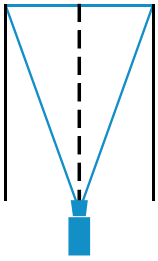
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VAIR technology is an optical technology to adjust illuminator beam angle by remote control thru RS485 Pelco-D command or manual dip switch to suit camera FOV

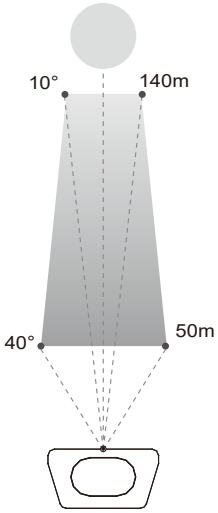


Wide angle for short distance

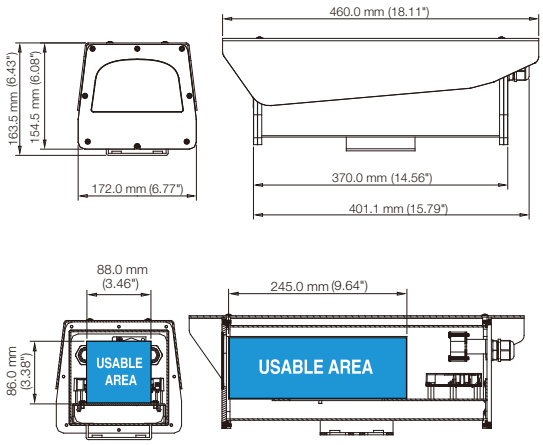


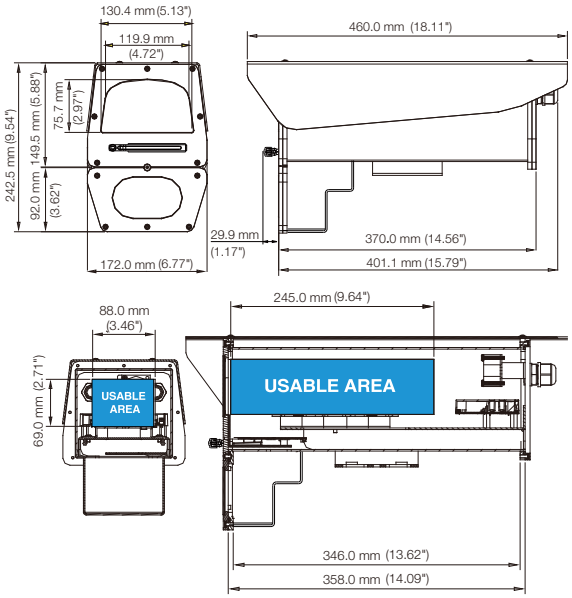


Tele angle for long distance



AISI 316L Stainless Steel Dimensions





Related Product

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

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