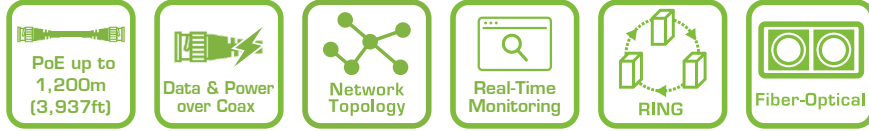


XC60-084-91-770

L2 PRO Long Reach PoE Switch



The XC60-084-91-770 is an all-in-one L2 PRO Long Reach PoE Managed Switch designed to extend IP networks over existing coaxial infrastructure. Supporting multiple topologies such as peer-to-peer, daisy-chain, and ring, it provides a seamless expansion and cost-effective path for upgrading from analog to IP surveillance without the need for expensive rewiring.

With long distance capability, the switch delivers both Ethernet and Power up to 1,200 m (3,937 ft) to remote IP devices, ensuring reliable power and data transmission. As a Power Sourcing Equipment (PSE), it offers up to 90W PoE per port with a total power budget of 720W. In addition, two Gigabit RJ45 ports and two SFP slots provide flexible uplink options to meet diverse deployment requirements.

For advanced management, the XC60-084-91-770 supports AETEK's Network Topology System (NTS), featuring smart functions such as Topology View, Floor Map View, and Power Reboot for efficient remote monitoring and troubleshooting. These smart functions minimize maintenance costs, reduce site visits, and improve overall network uptime, making it an ideal solution for professional video surveillance environments.

Features

- Provides graphical topology view of the network, even in a daisy-chain connection
- Enables Power Reboot function for remote troubleshooting
- Supports failover ring topology to ensure continuous video (data) & power transmission and rapid recovery
- Extends data and power transmission up to 1200m (3,937ft) without costly rewiring
- Reuses legacy coaxial cables to migrate analog CCTV to IP-based surveillance

Applications

Why Choose this Smart Long Reach PoE Switch?

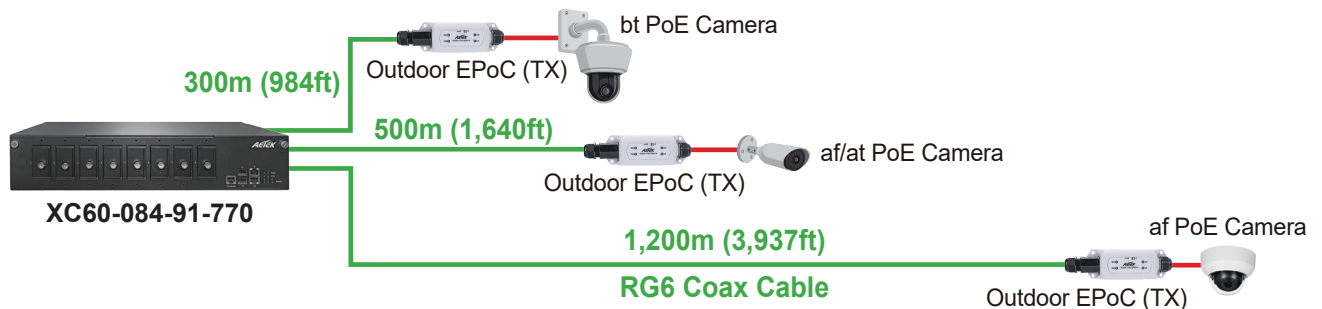
General Setup

PoE Switch



—●— PoE (Data + Power)

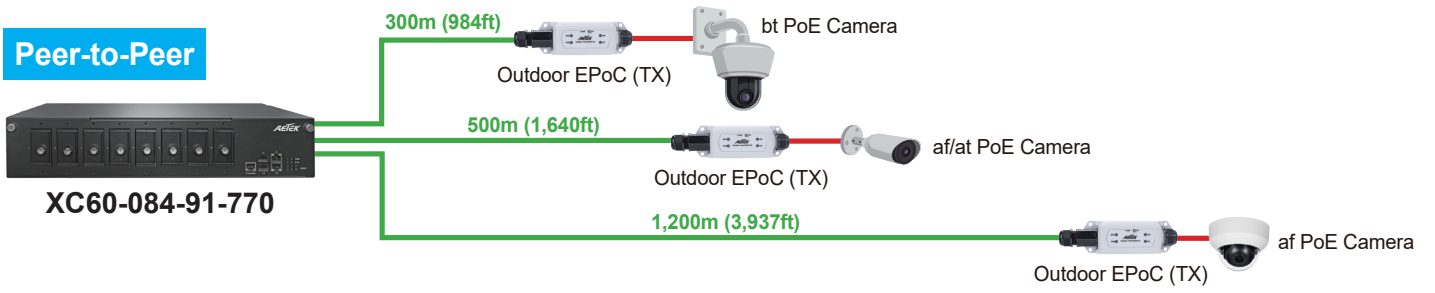
All-in-One L2 PRO Long Reach PoE Switch



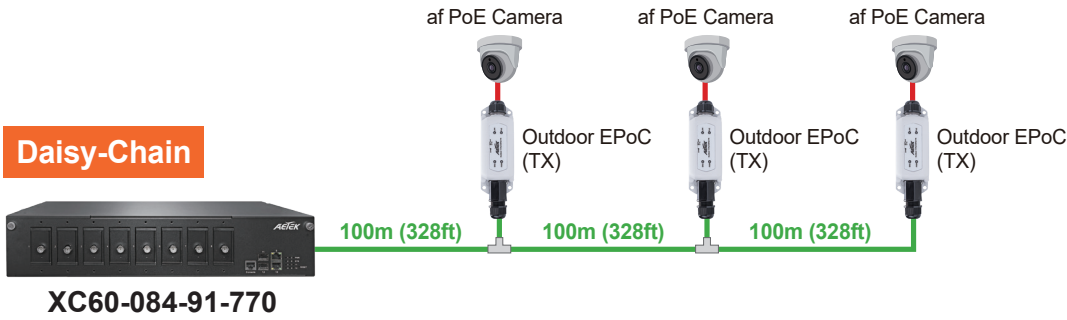
- ✓ All-in-One, Standalone Long Reach PoE Switch
- ✓ Up to 1,200m with af PoE over existing cables – 12X the Reach
- ✓ No Rewiring, Lower Cost & Downtime
- ✓ Smart NTS Functions – Remote Management, Real-time Topology View, Power Reboot

—●— PoE (Data + Power) —●— Coax (Data + Power)

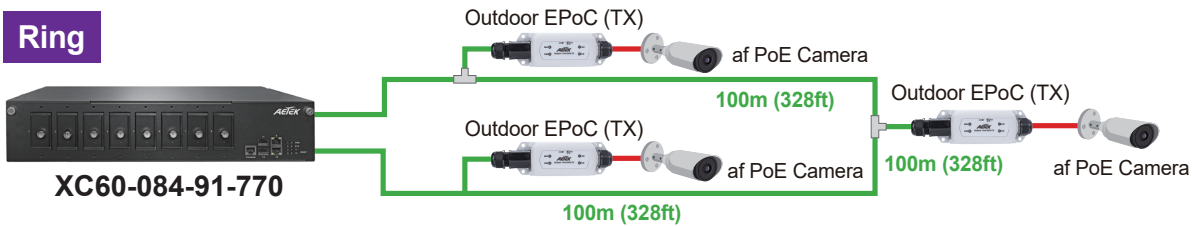
Peer-to-Peer



Daisy-Chain

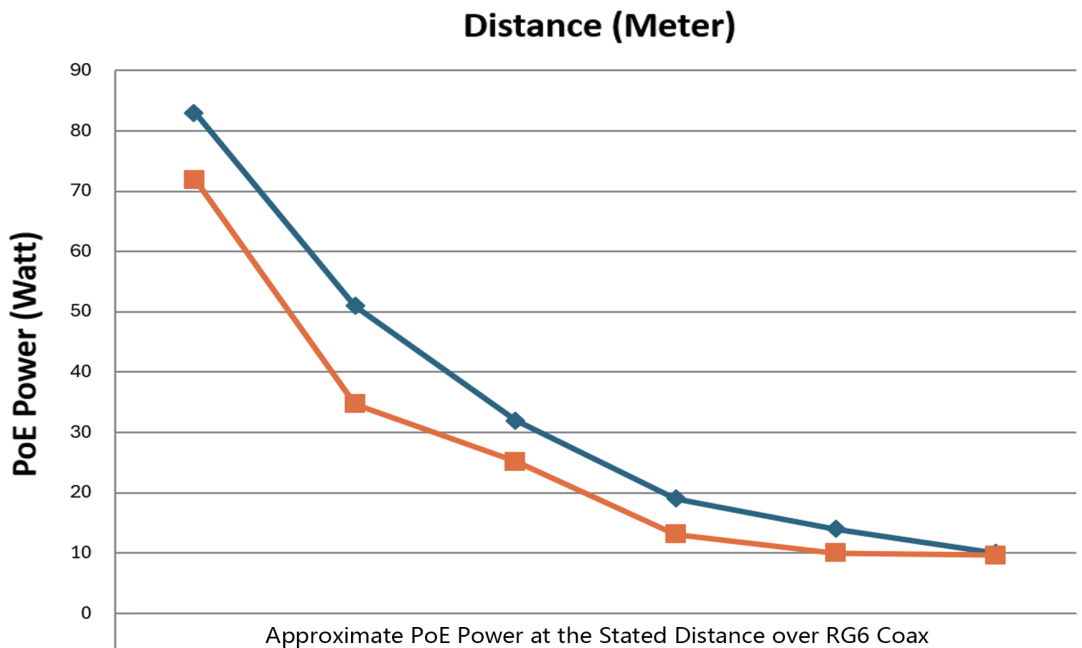


Ring



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

Power & Distance Chart



TX Type	RG6 Coax Distance	100m (328ft)	300m (984ft)	500m (1,640ft)	800m (2,625ft)	1000m (3,281ft)	1200m (3,937ft)
XE22-110-TX-V2 (Voltage Booster)		83 W	51 W	32 W	19 W	14 W	10 W
XE10-110-TX-V2		71.87 W	34.72 W	25.2 W	13.11 W	10 W	9.66 W
Data Rate		100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps

Test Condition: TX to camera site with Cat.6 @ 1m.

Applications – Long Reach PoE for Station Areas and Platforms

Delivering both data and power over existing cabling, the XC60-084-91-770 enables a seamless migration from analog CCTV to IP surveillance. By eliminating the need for rewiring, it reduces downtime and offers a cost-effective upgrade path for public transportation.

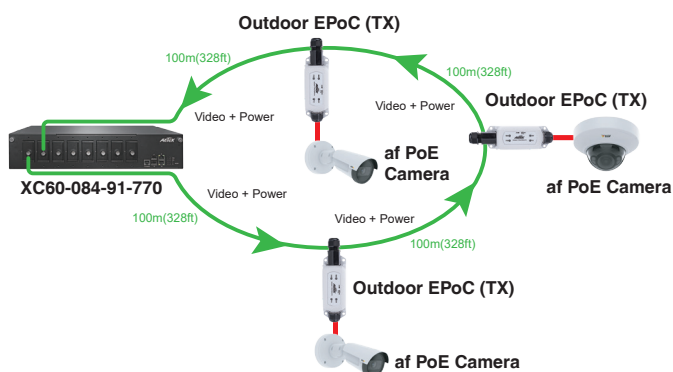


Long Reach PoE Switch Ring Topology: Power & Video Failover

The failover ring topology ensures continuous video & power transmission and rapid recovery.

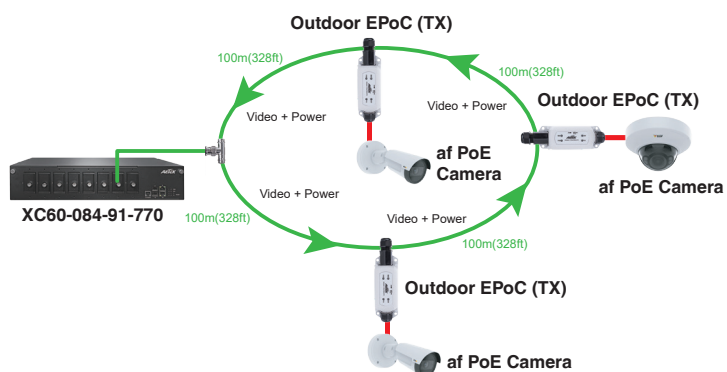
Separate Port Setup

- Recovery time: 15–30 seconds
- No risk if one of the connected ports becomes faulty

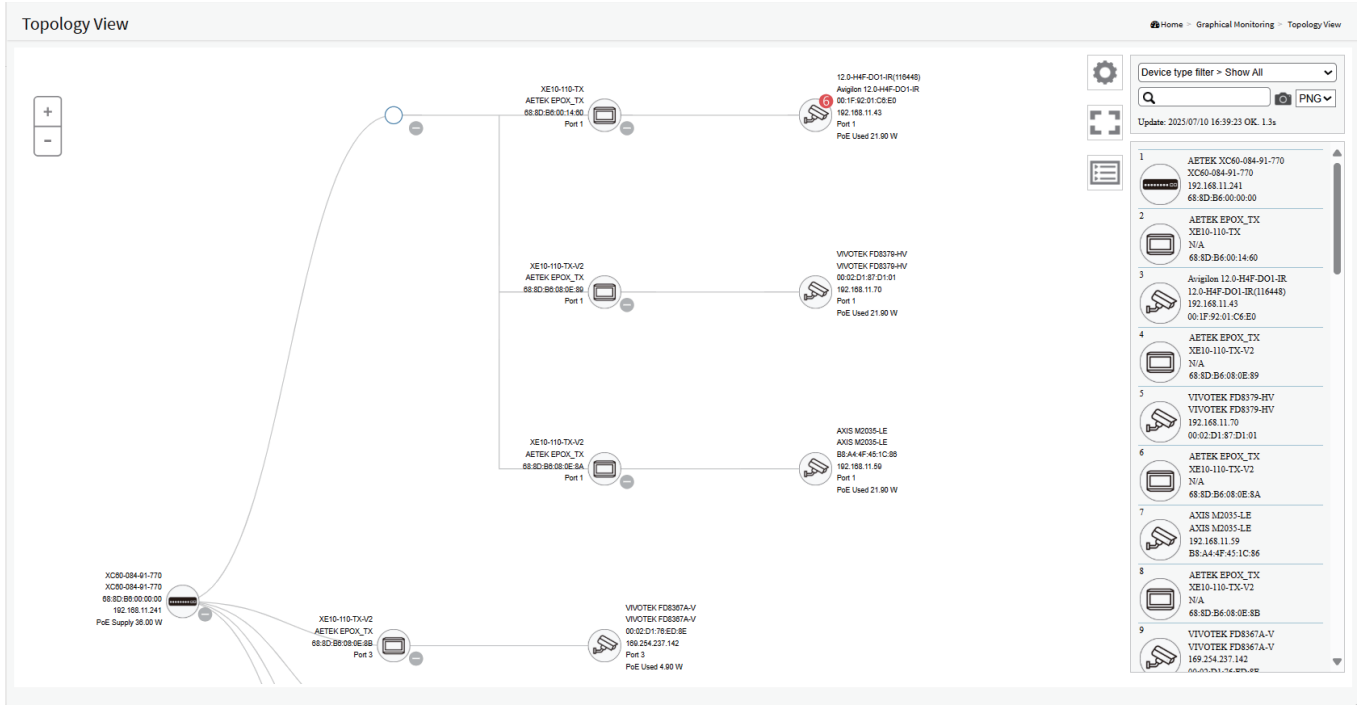


Single Port Setup

- Real-time recovery (instant, no delay)
- Potential point of failure if the connected port is faulty



Topology View



EPoC RX Dashboard

Device Dashboard

Device Type EPOX Switches

Device Name XC60-084-91-770

Model Name XC60-084-91-770

MAC Address 68:8D:B6:00:00:00

IP Address 192.168.11.241

Http Port 80

PoE Supply 34.9 W

PoE Used 34.9 W

API Account admin

API Password ****

WAN Address

WAN Port

Port	PoE Mode
1	Enabled
2	Enabled
3	Enabled
4	Enabled
5	Enabled
6	Enabled
7	Enabled
8	Enabled

EPoC TX Dashboard

Device Dashboard

Device Type XE10-110-TX (Indoor)

Device Name XE10-110-TX-V2

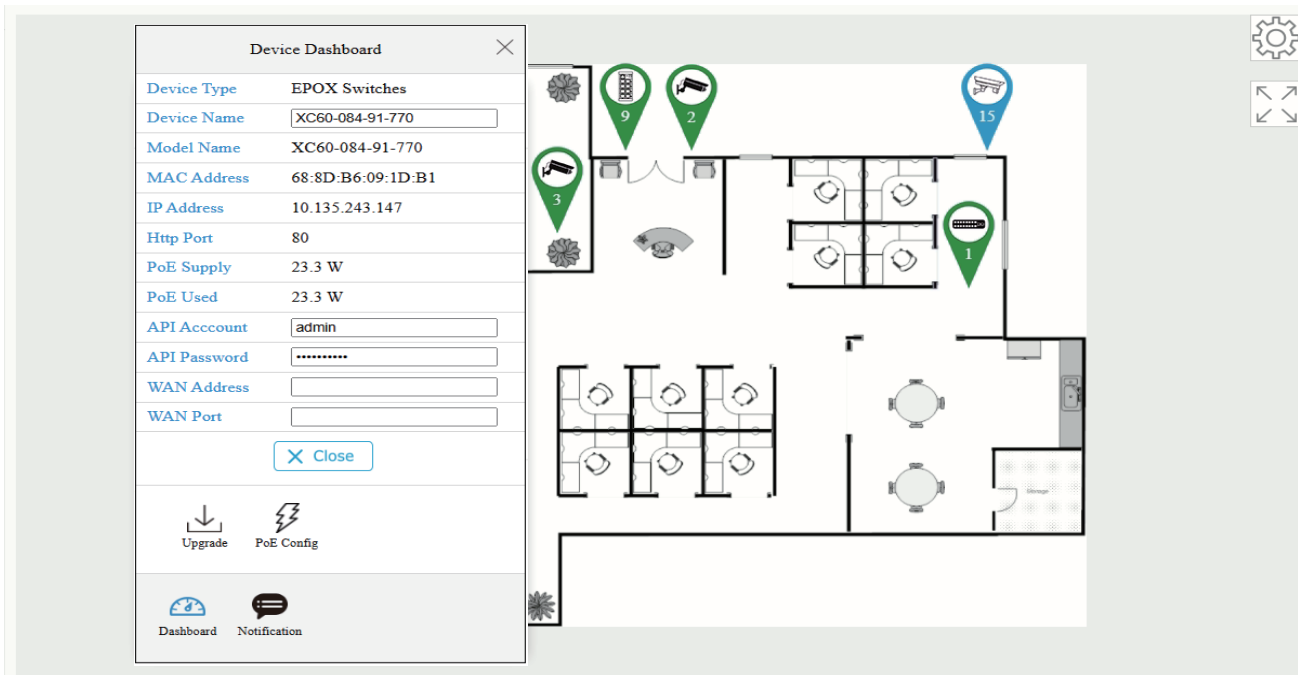
Model Name EPOX_TX

MAC Address 68:8D:B6:08:0E:8B

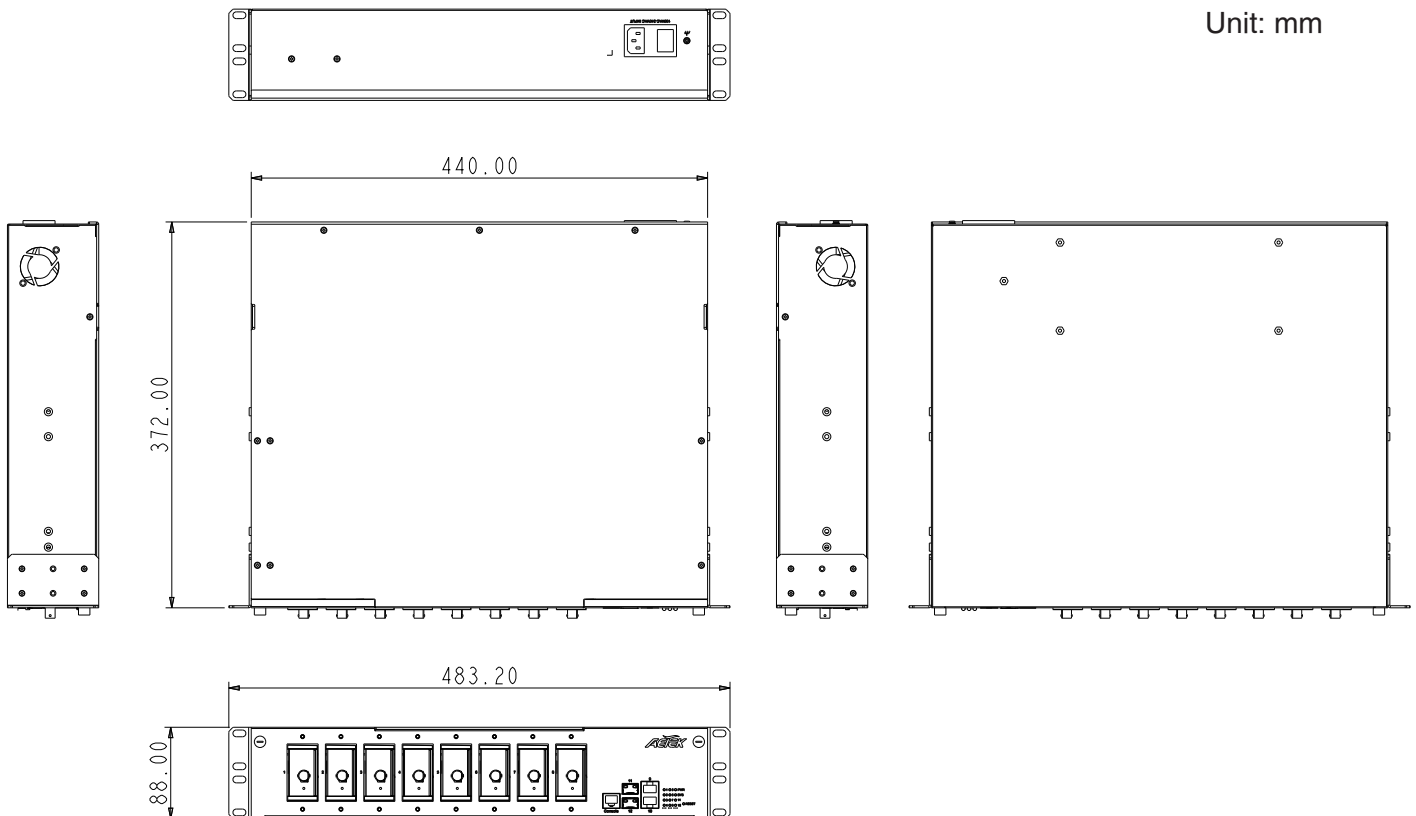
Reboot mode: BT

Are you sure you want to Power reboot this device ?

Floor Map View



Dimension



Specifications

XC60-084-91-770	
Interface / Distance	
Total Ports	12
100M EPoC Ports	8 x 75Ω BNC
Gigabit Ethernet RJ45 Ports	2
Gigabit Ethernet SFP Ports	2
Maximum Distance*	XE22-110-TX-V2 (TX Type) Up to 10W @ 1,200m (3,937 ft) over RG6 13.5W @ 1,100m (3,609ft) over RG6 30W @ 500m (1,640ft) over RG6 51W @ 300m (984ft) over RG6
	XE10-110-TX-V2 (TX Type) Up to 9.66W @ 1,200m (3,937 ft) over RG6 13.5W @ 750m (2,460ft) over RG6 30W @ 400m (1,312ft) over RG6 51W @ 200m (656ft) over RG6
	Data only: 2,400m (7,874ft)
Cable Type	75Ω RG59 / RG6 / RG11 Coax
Data Rate	Up to 100 Mbps asymmetrical to full range
Power	
Input Voltage	100~240VAC
Output Power per Port	90W
System Power Consumption (without PoE)	12W
Total Output Power Budget	720W
LED Indication	
Link (Port 1-8)	Switch and TX device connect status
LAN (Port 9-10)	Ethernet status
SFP (Port 11-12)	Fiber port status
SYS	System status
PWR	Power status
Mechanical	
Casing	Metal
Dimensions (W x D x H)	440 x 372 x 88 mm (17.32 x 14.65 x 3.46")
Weight	9.3 kg (20.5 lb)
Console	RJ45
Reset Button	2~7 sec.: Restart 7~12 sec.: Restore default
Mounting	2U x 19" Rack
Environmental	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Operating Humidity	10% ~ 90% non-condensing
Certifications	
EMC	CE, FCC, VCCI, C-Tick Class A
Safety	EN62368-1

*Test Condition: TX to camera site with Cat.6 @ 1m.

Related Product

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
- 1300/1310nm, 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-TX-X1

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

TX Adapter



XE10-110-TX-V2

- 1-port BNC coax + 1-port 10/100Mbps PoE LAN
- IEEE 802.3bt/at/af PoE output



XE22-110-TX-V2

- 1-port BNC coax + 1-port 10/100Mbps PoE LAN
- IP67/ IK10 rated
- 6KV surge protection
- IEEE 802.3bt/at/af PoE output
- Voltage booster for long reach PoE

Accessory



SD-301

- BNC Surge Protector
- Protects up to 6KV surge
- -40°C ~ 85°C



BNC-T

- T-Type BNC Adapter



BNC-Y

- Y-Type BNC Adapter



BNC-YC

- Y-Type BNC Cable