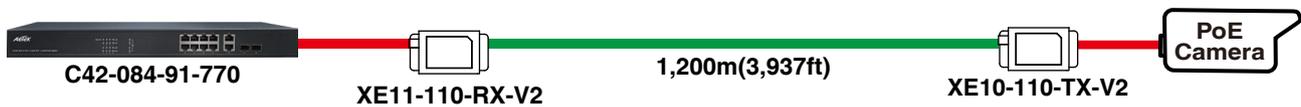# XE11-110-RX-V2

1-Port PoE PD EPoC RX Adapter

XE11-110-RX-V2 is an EPoC (Ethernet & Power over Coax) receiver(RX) equipped with 1 BNC port & 1 PoE PD LAN port. This cutting-edge model allows all of the power for the link to be sourced from a PoE switch or PoE injector. IEEE 802.3bt 90W PoE is recommended for a long range PoE solution providing data & power to EPoC TX adapter and PoE IP camera over single coaxial cable up to 1,200m (3,937ft). Besides long range PoE solution, XE11-110-RX-V2 is also often used to upgrade legacy of CCTV to IP surveillance without changing existing coaxial cable infrastructure.

Features

- One BNC coax port & one 10/100Mbps PoE PD port
- PoE pass through coax to remote PoE IP camera
- Support IEEE 802.3 bt/at/af PoE or 48-56VDC Input
- Extends PoE to Transmitter(TX) and PoE IP camera
- Optional 19'' 8-bay rack mount chassis(CH-110-V2)
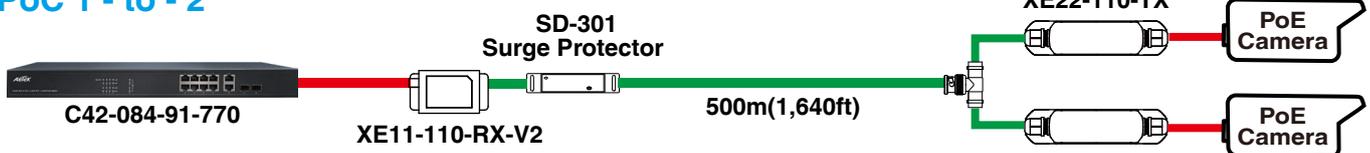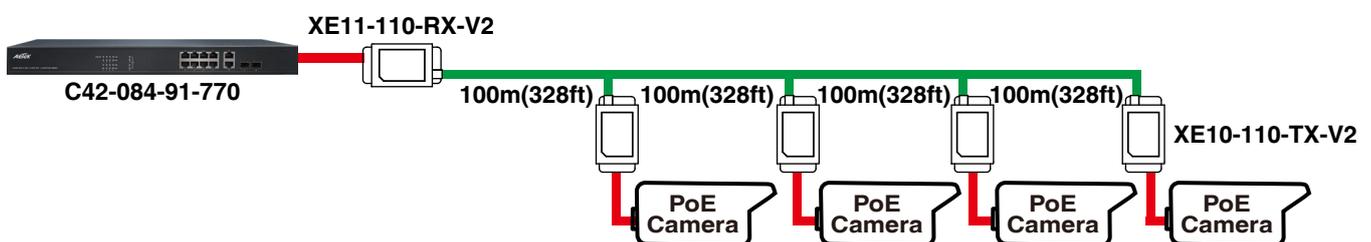- Optional EPoC surge protector(SD-301)

Applications

EPoC 1 - to - 1

C42-084-91-770

XE11-110-RX-V2 1,200m(3,937ft) XE10-110-TX-V2 PoE Camera

PoE Budget : 8.3W@1,200m / 3,937ft over RG6
Total Camera bandwidth < 100Mbps

EPoC 1 - to - 2

C42-084-91-770

XE11-110-RX-V2 SD-301 Surge Protector 500m(1,640ft) XE22-110-TX PoE Camera PoE Camera

PoE Budget : 24.8W@500m / 1,640ft over RG6
Total Camera bandwidth < 100Mbps

EPoC Daisy-chain

C42-084-91-770 XE11-110-RX-V2

100m(328ft) 100m(328ft) 100m(328ft) 100m(328ft) XE10-110-TX-V2

PoE Camera PoE Camera PoE Camera PoE Camera

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

PoE Budget : 8W@400m / 1,312ft over RG6
Total Camera bandwidth < 100Mbps

Applications

EPoC Power & Video Failover
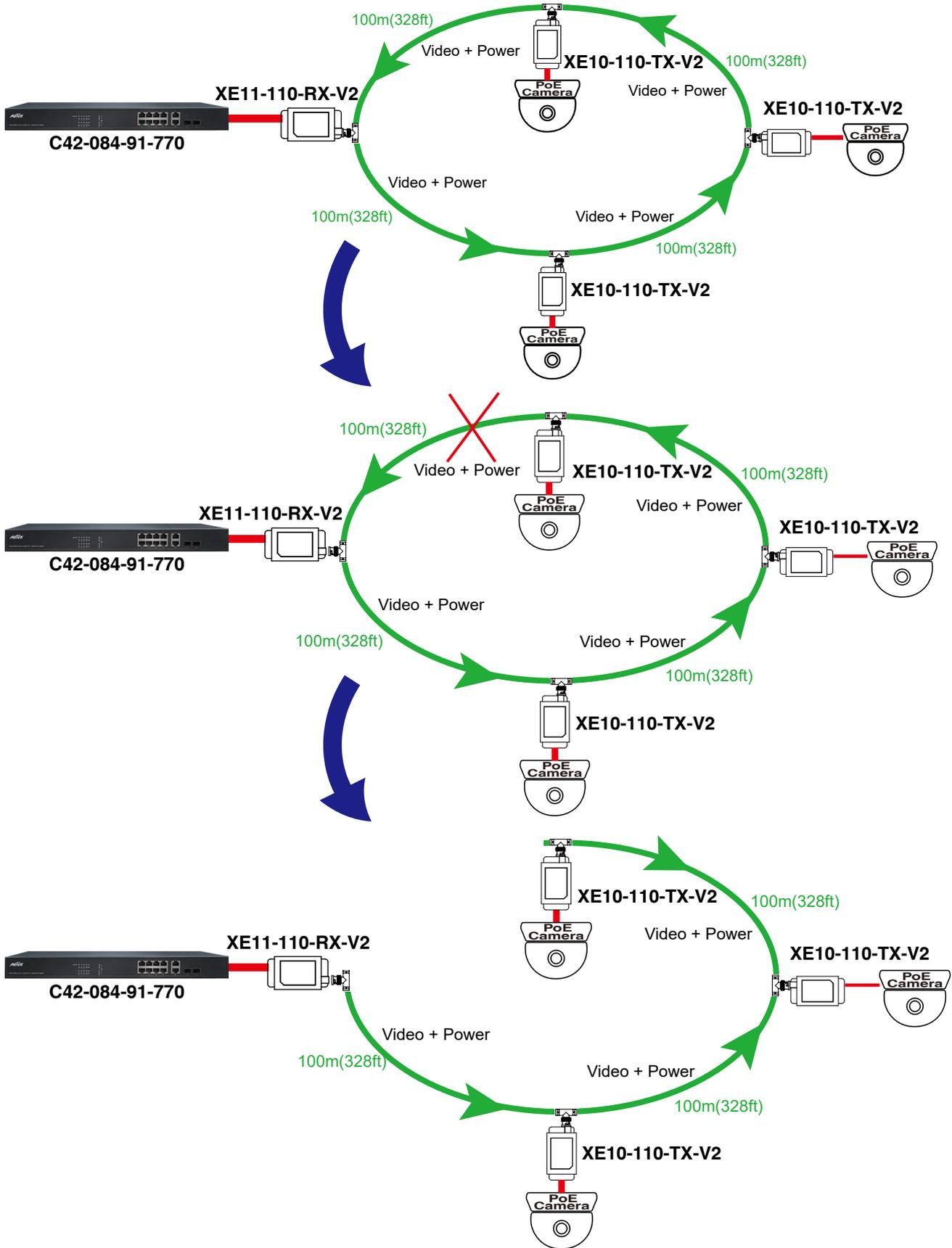
——————	**PoE (Data + Power)**
——————	**Coax (Data + Power)**

PoE Budget : 8W@400m / 1,312ft over RG6
Total Camera bandwidth < 100Mbps

Dimension

103.40

93.40

48.90

4.00

27.00

1-Port EPoC Rx

56VDC
PWR/JOIN
LINK
DATA
LAN PoE
BNC LINK
JOIN

96.50

102.90

47.10

30.10

12.10
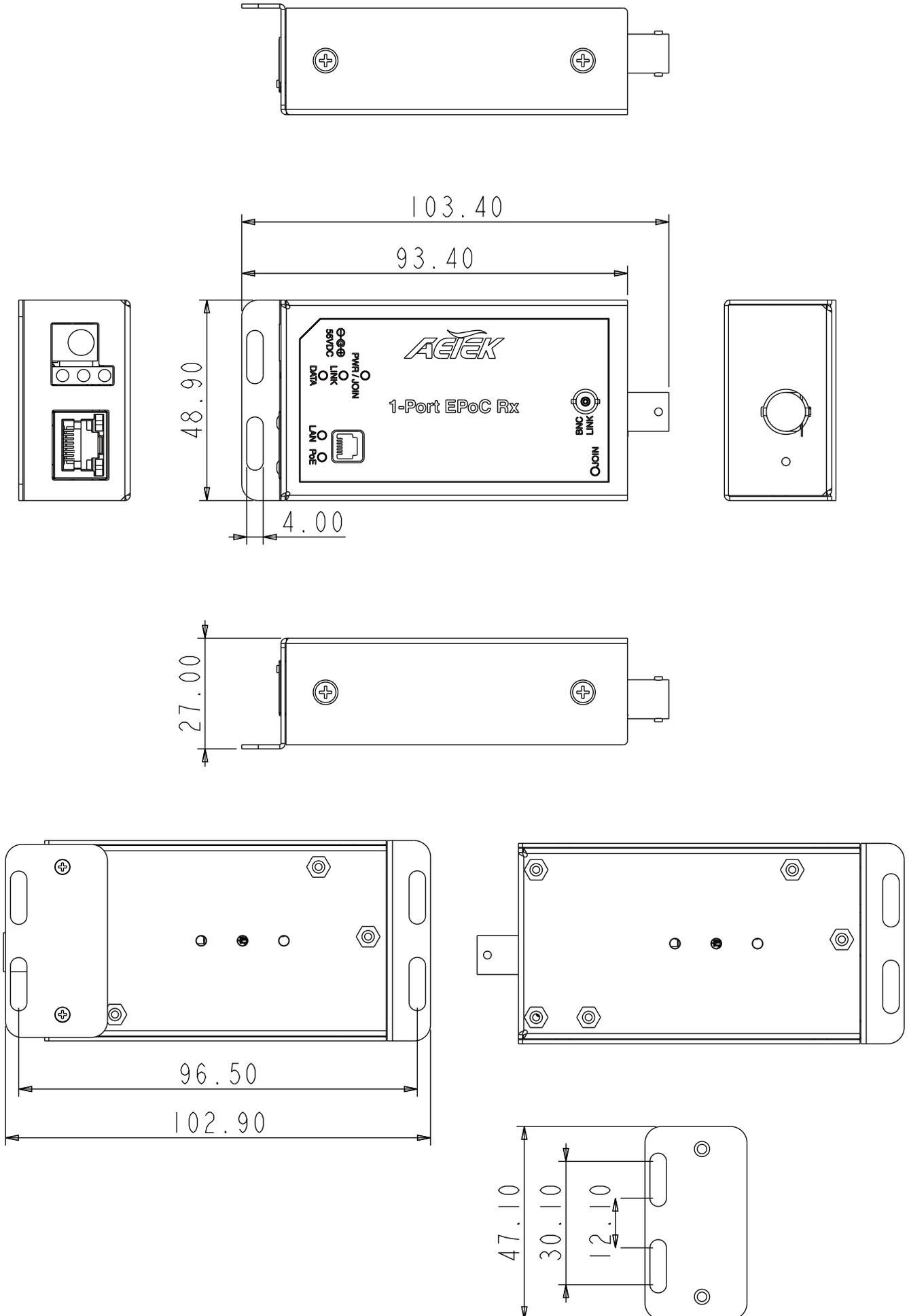
Specifications

Interface / Distance

EPoC Ports	75 ohm BNC x1
10/100 Mbps Ethernet	PoE PD RJ45 x1
Transmission mode	Receiver RX mode
MAX.(Power+Data) Distance	100Mbps, 9.7W@1,200m(3,937ft) 100Mbps@2,400m(7,874ft) Data only Cable reference: RG6 Coax
Cable Type	75 ohm RG59/RG6/RG11 Coax
Data Rate	Coaxial cable : up to 100 Mbps asymmetrical to full range Ethernet cable : 100 Base-TX Full Duplex

Power

Power Input	IEEE 802.3bt PoE++ standard 90W PD IEEE 802.3at PoE+ end-span/mid-span 30W PD IEEE 802.3af PoE end-span/mid-span 15.4W PD DC power jack: 56VDC
PoE Output	PoE over Coax
PoE Pass Through	Support
Unit Power Consumption	2W
EPoC Surge Protection	Optional extra surge protector : SD-301

Mechanical

Dimensions (W x D x H)	103.4 x 48.9 x 27.0 mm (4.07 x 1.93 x 1.06")
Weight	0.2 kg (0.44 lb)
Connectors	BNC x1, RJ45 x1, DC Jack x1
Mounting Type	Wall mount, Din-rail (optional)
Casing	Metal
Join Button	1~3 sec.: Link RX and TX 5~8 sec.: Disconnect RX and TX 10~15 sec.: Reset to default

Power / Distance Chart

PoE(Watt)/Meter

	100m (328ft)	300m (984ft)	500m (1,640ft)	800m (2,625ft)	900m (2,952ft)	1000m (3,281ft)	1100m (3,608ft)	1200m (3,937ft)
56VDC/65W Input	54.82 W	44.39 W	30.65 W	17.95 W	14.70 W	13.25 W	11.68 W	10.06 W
90W PoE Input	63.42 W	39.23 W	24.84 W	14.52 W	11.78 W	10.54 W	9.38 W	8.31 W
Data Rate	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps

Environmental

Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Relative Humidity	5% ~ 95% non-condensing

Certifications

EMC	CE, FCC, VCCI, C-Tick
Safety	EN62368-1

LEDs

POE	PoE status
LAN	Ethernet status
PWR	Power status
LINK	EPoC RX and TX connection status
DATA	Data transmission status over coax

Related Products

EPoC (TX)

XE10-110-TX-V2
- 1-to-1 EPoC adapter(TX)
- Support IEEE 802.3af/at/bt PoE Output

XE22-110-TX
- 1-to-1, Outdoor EPoC adapter(TX) with IP67 / IK10 / 6KV Surge protection

EPoC Camera Housing (TX)

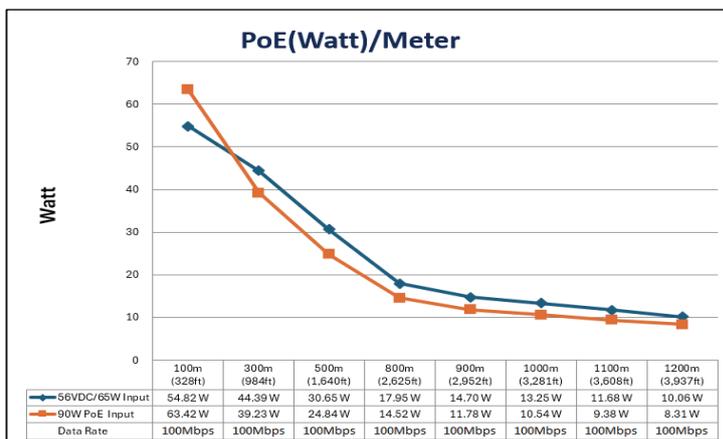**A5000-E**
- EPoC Camera Housing
- Transceiver is included

A5100-E
- EPoC Camera Housing
- Germanium window
- Transceiver is included

A5020-E
- EPoC Camera Housing with IR illuminator (MAX: 50m)
- Transceiver is included

Related Products

Accessories

PA-150-065
• 100 ~ 240 VAC input 56VDC/65W output

PA-150-120
• 100 ~ 240 VAC input 56VDC/120W output

SD-301
• 6KV EPoC Surge Protection

CH-110-V2
• 19'', 1U 8-bay rack mount chassis

BNC-Y
• Y -type BNC Adapter

BNC-T
• T -type BNC Adapter

90W bt PoE Switch

C42-042-91-380
• 4-port Gigabit 90W bt PoE + 2-port Gigabit RJ45
• 380W Power Budget

C42-084-91-770
• 8-port Gigabit 90W bt PoE + 2-port Gigabit RJ45
  + 2-port Gigabit SFP
• 770W Power Budget