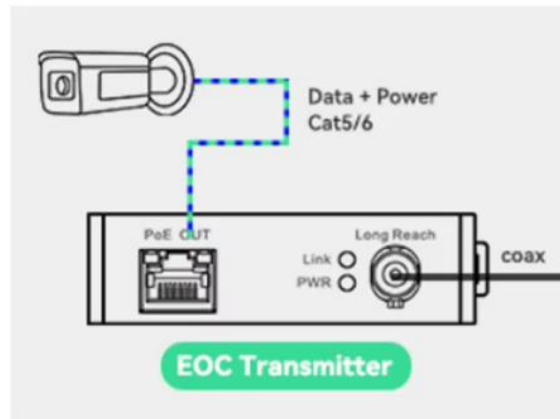
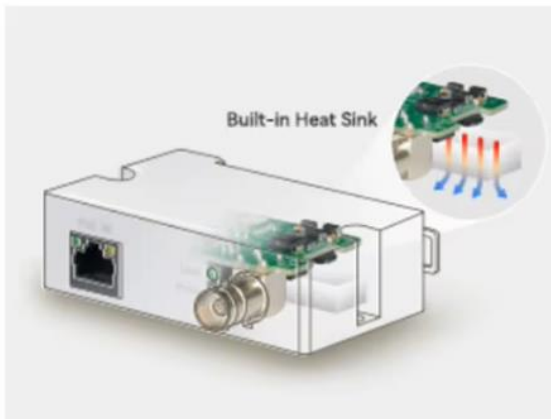


POE + Ethernet over Coax (EOC) Converter



EOC&POE converter transmits IP Video & Audio & Data & POE Power over coax cable. Upgrade traditional analogue video surveillance system to IP surveillance system without replacing coaxial cable. It is working with POE IP camera, POE Wi-FiAP, VoIPphone, etc. Plug-and-play.Configuration free.



Industrial design

Industrial design, with built-in heat sink Ensure super reliability and hassle-free transmission.

Transmission Distance		Performance
100m (330ft)	Bandwidth	100 Mbps
	Load Capacity	21W
300m (1000ft)	Bandwidth	100 Mbps
	Load Capacity	11W
1000m (3280ft)	Bandwidth	10 Mbps
	Load Capacity	4W

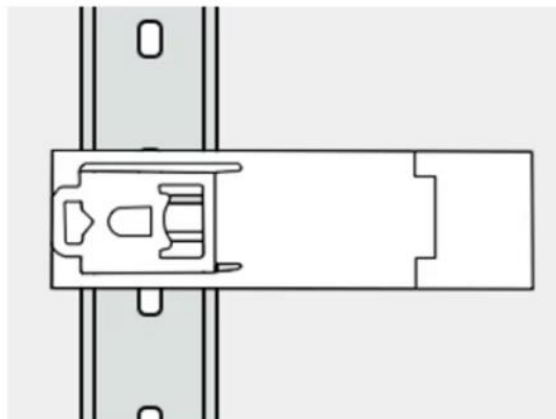
*Base on RG59 Coax & DC 48V POE Input.

Transmission Performance

Compatible to IEEE802.3af/IEEE802.3at POE protocol, max21W POE load capacity in 100m(330ft), or 11W POE load capacity in 300m(1000ft).

POE power + Data transmission

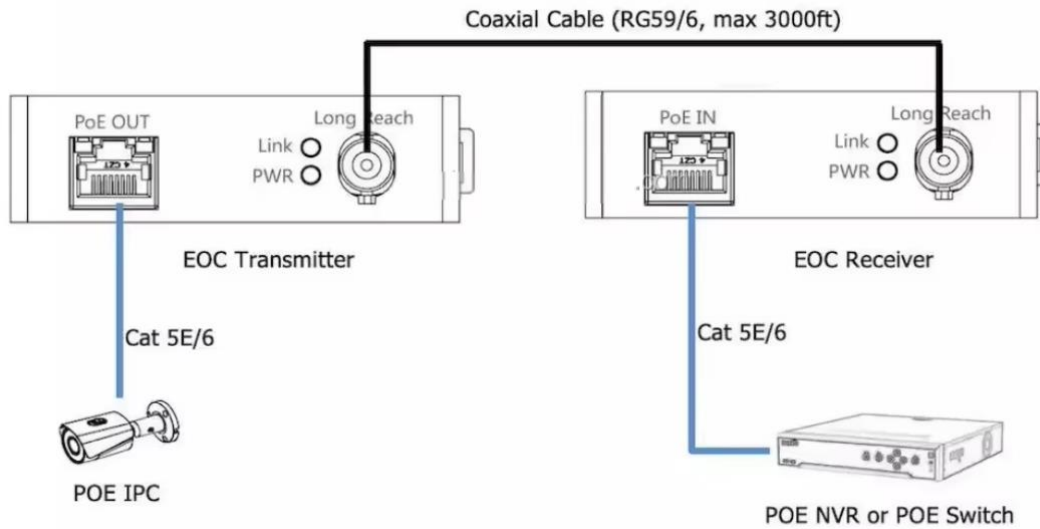
It can Provide power to remote POE device with max. 30W and no local DC power adapter is required. (Note: The POE OUT Port only support PoE Mode A)



DIN-Rail Installation

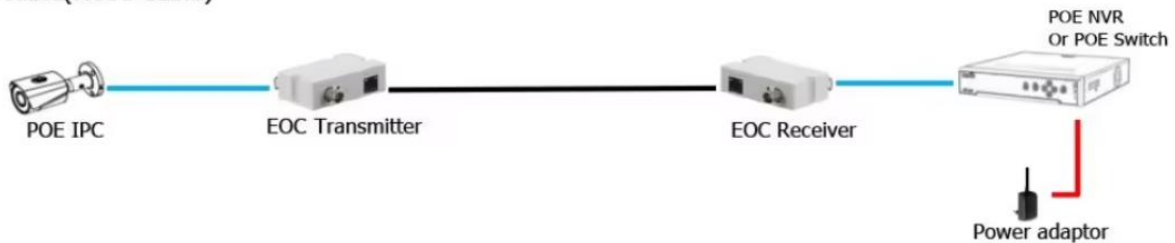
DIN-Rail Installation. Plug-and-play, configuration free, makes installation simplest. Small design (3.1"x2.0"x0.9") and light weight.

Connection Diagram

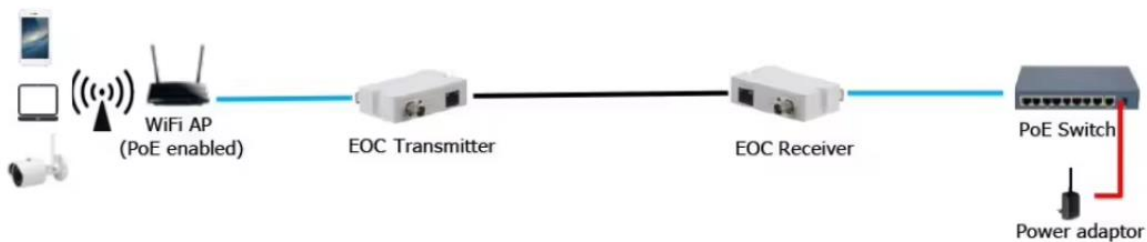


Application diagram

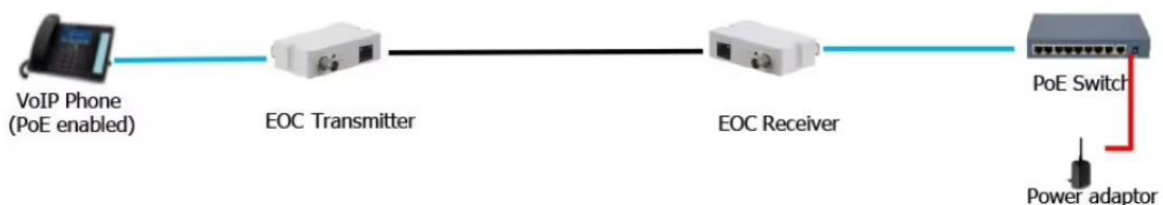
1. Upgrade traditional analogue system to IP surveillance system while using existing coaxial cable(RG59 cable)



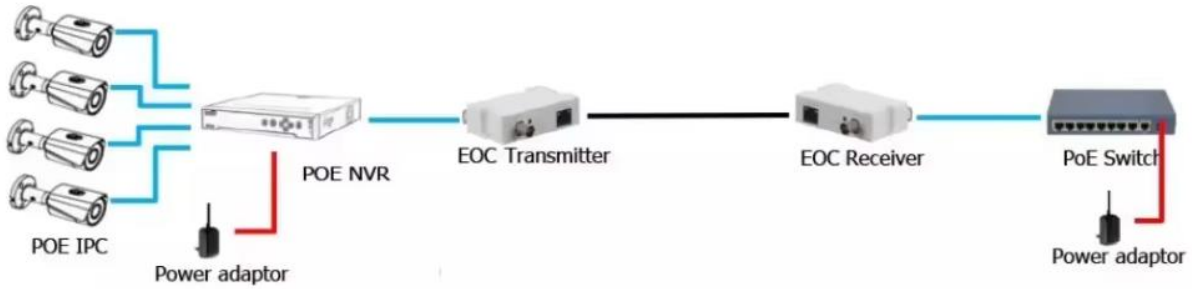
2. Remote network & power transmission for POE compatible Wi-Fi AP over coaxial cable



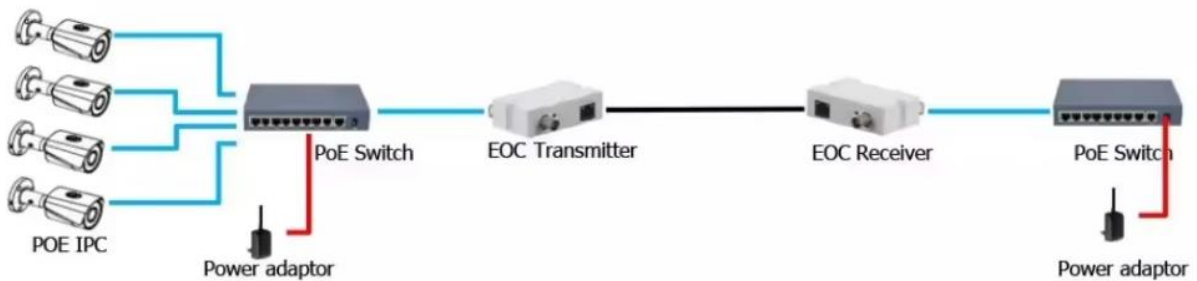
3. Remote power & network transmission for VoIP phone over coaxial cable



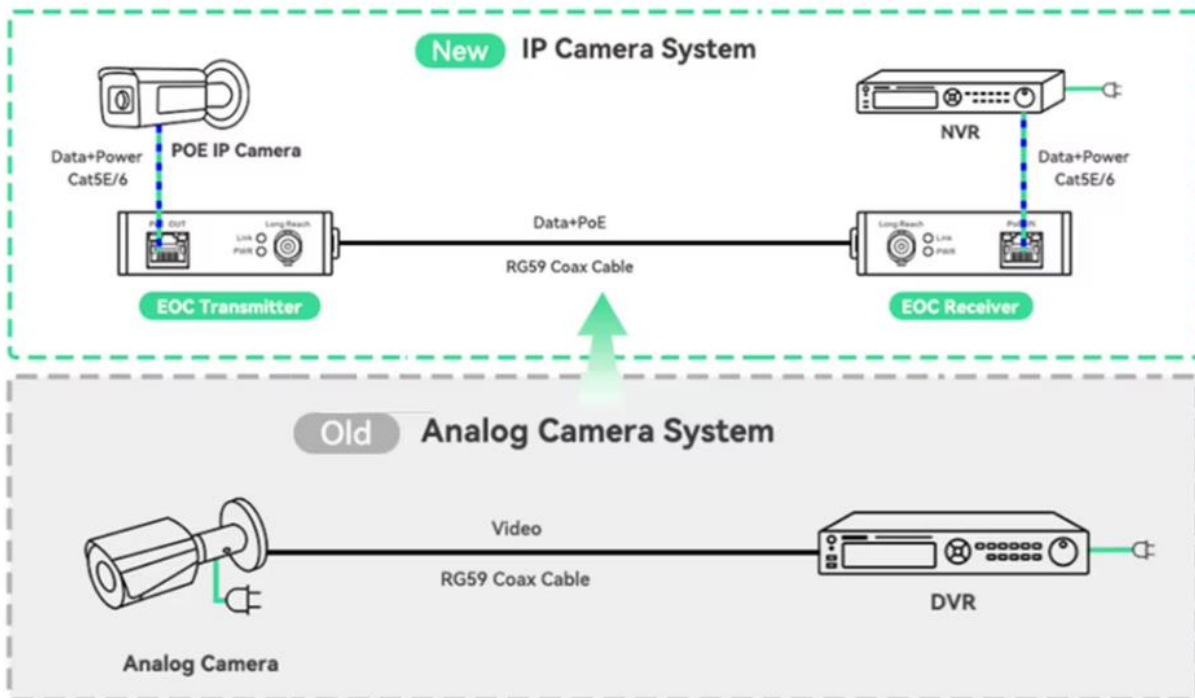
4. Remote NVR connection over long distance coaxial cable (100Mbps bandwidth in 300 meters or 1000ft transmission)



5. Remote network connection over long distance coaxial cable (100Mbps in 300 meters or 1000ft transmission)



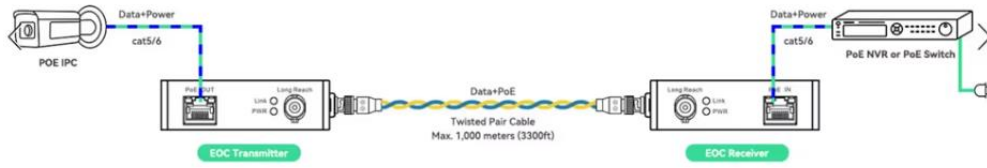
General EOC Applications



Important Notification: For multiple PoE over coax cables application in one system, it is highly recommended to use EOC-Switch KIT(ASIN: B0BMG63JZ6) to avoid potential signal interference.

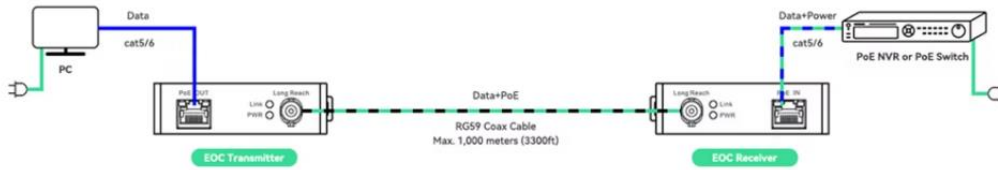
Over Twisted Pair Cable

PoE+ Network transmission for PoE IPC over twisted pair cable



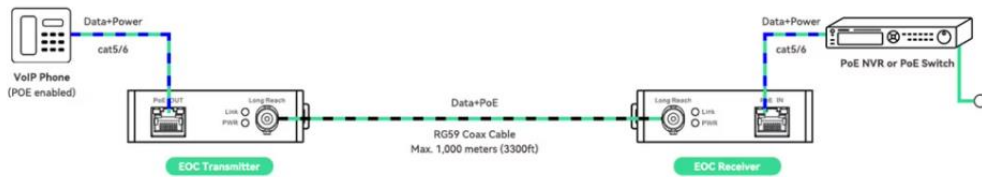
Application for Non-POE

Data transmission for non-PoE device like computer



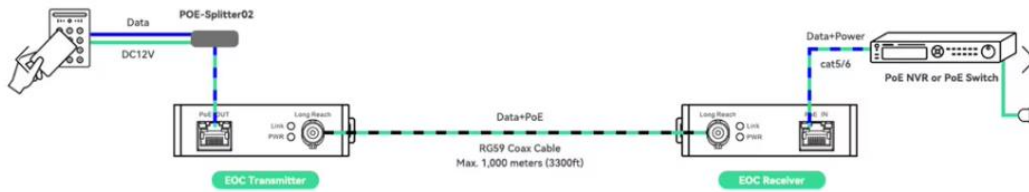
For VoIPPhone

PoE+ Network transmission for VoIP phones



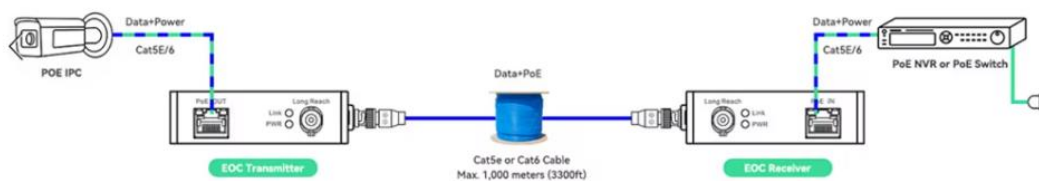
For DC12V Device

PoE+ Network transmission for non-PoE DC12V device

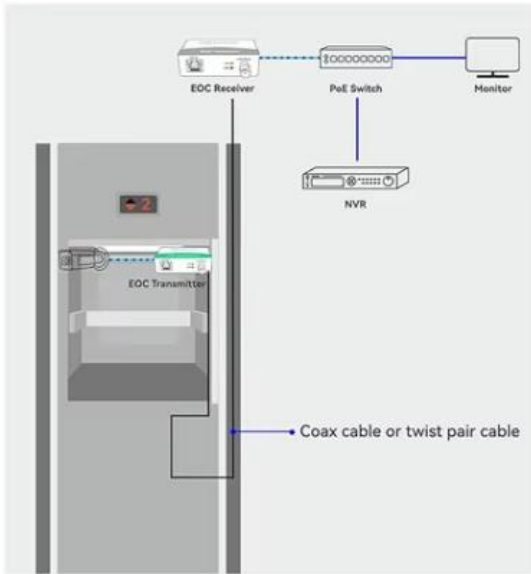


Long Reach PoE

Long Reach PoE up to 3,300ft over regular networking cable



Application in Elevator



For many elevators there are no ethernet cables and no camera powers in the elevator cart, EOC converters are perfect for this application.

It can transmit POE power and IP data over coaxial or twist pair cables. One passive EOC-tr will be put inside the elevator cart to feed the c or signal board, and one EOC-receiver will be in powered by POE switch/POE injector/POE NVR

For multiple elevators application, one EOC-Sw or EOC-Switch24 will be put in the control room together with max 8 elevators.

Q Why my POE device is offline when working with our EOC (IP Over Coax) Converter?

A Several main reasons are as follow:

- 1.Reverse connection.
- 2.Point-to-point coax cable direct connection ONLY.
- 3.Insufficient load capacity; Suggest 802.3at (PoE+)
- 4. No power supply.

Q What kind of cables can be connected between EOC transmitter and EOC receiver?

A It can transmitter ethernet data and POE power over coaxial cables, twist pair cables, power cables, video cables or almost any two-pin cables.

Q Do EOC Receiver & EOC Transmitter need power?

A They do not need extra power. Just connect as the connection pictures have shown.

Q Will this work for extending connectivity between a router and an Ethernet switch? Or extending WIFI?

A Yes. But you need a POE injector in EOC receiver side to provide power to EOC receiver and EOC transmitter. It is recommended to use 56V 30W POE injector.

Q Can multiple devices be connected via single coaxial cable?

A Yes. The connection will be multiple device -> NVR/POE switch/WI-FI AP -> EOC Transmitter -> Coaxial cable ->EOC Receiver -> POE NVR/POE Switch/POE Injector with internet.