LINOVISION

EOC-Converter (Receiver+Transmitter)
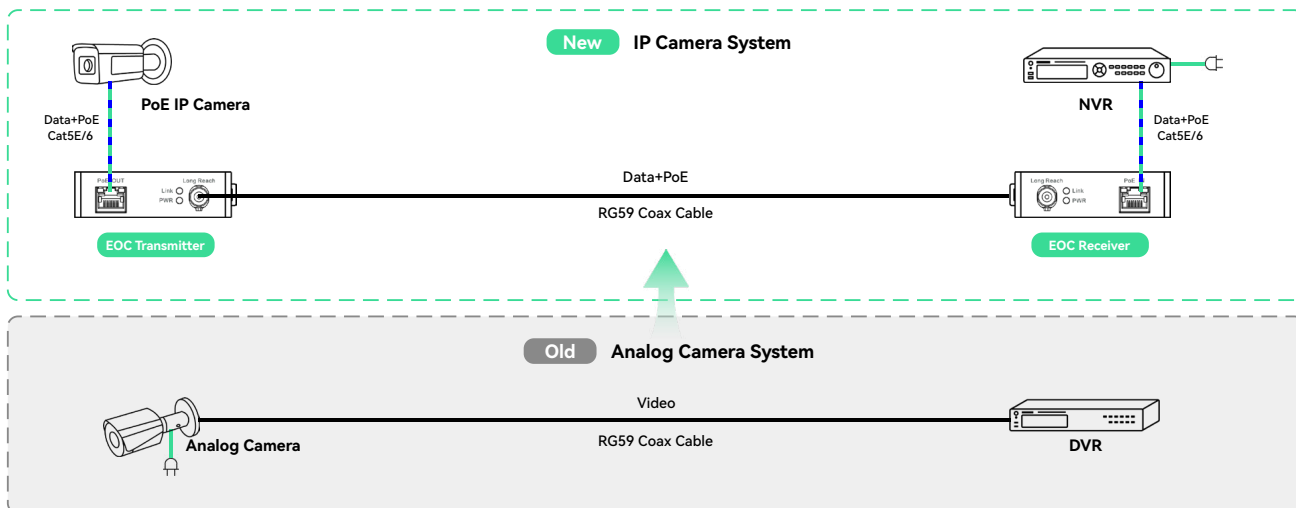
PoE + Ethernet over Coaxial (EOC) Converter, Upgrade Analog to IP Surveillance System without Replacing Coaxial Cables

Outstanding Features

- PoE over Coax (PoC) & Ethernet over Coax (EoC) converter, transmit both PoE power and network data over coaxial cables or twisted pair cables, including siamese cable, CATV cable, power cable, Cat5E/Cat6, etc.
- Up to 3,300 ft (1,000 meters) PoE + Ethernet transmission, no extender is required
- No DC power adapter is required
- Industrial design, with built-in heat sink, ensure super reliability
- Plug-n-play operation, no configuration is required
- Super useful to upgrade analog camera system to IP surveillance system without replacing legacy coaxial cables
- It can also be used in elevators to get power and network from coax or twisted pair cables
- The most simple and affordable solution to transmit long distance PoE power over most of the cables.
- Includes one EOC-Transmitter and one EOC-Receiver.

Connection Diagram
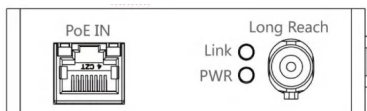

New **IP Camera System**

PoE IP Camera

Data+PoE
Cat5E/6

NVR

Data+PoE
Cat5E/6

Data+PoE
RG59 Coax Cable

EOC Transmitter

EOC Receiver

Old **Analog Camera System**

Video
RG59 Coax Cable

Analog Camera

DVR

Specification

Hardware		
Model	EOC-Transmitter	EOC-Receiver
Function Port	1*10/100 Mbps Base-TX	
	1*BNC	
Power Consumption	<2W	
Transmission Bandwidth	RG59 coaxial cable:	
	400m/100Mbps, 1000m/10Mbps	
PoE Protocol	work as a PSU, provide PoE power to standard IEEE802.3af/at PoE device (48V Passive PoE, Pairs 1, 2+; 3, 6 Return).	work as a PoE Powered device, compliant to IEEE802.3af/at. Auto adaptive to PoE mode A and B from PSU (PoE Switch or PoE NVR, strongly recommend to use 30W PoE+ port)
Network Standard	IEEE802.3, IEEE802.3u, IEEE802.3x	
Lightning Protection	Common Mode 4KV	
	Differential Mode 2KV	
Operating Temperature	−30℃ to 65℃ (−22℉ to 149 ℉)	
Operating Humidity	5%–95%	
Weight	61 g (0.13 lb)	
Dimension (W×D×H)	79 mm × 52 mm × 23 mm (3.11" × 2.05" × 0.91")	

Take RG59 as an example (Max. DC resistance < 5.0Ω/100m)			
EOC-Converter (Receiver+Transmitter)		Supports with 48V	Supports with 53V
100m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	21	25.5
200m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	15	24
300m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	11	19
400m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	9	16
500m	Bandwidth (Mbps)	10	10
	Load Capacity (W)	7	13
800m	Bandwidth (Mbps)	10	10
	Load Capacity (W)	5	8
1000m	Bandwidth (Mbps)	10	10
	Load Capacity (W)	4	6

Panel View

EOC Transmitter

EOC Receiver

SN	Name	Note
1	PoE OUT	PoE Output Port
2	PoE IN	PoE Input Port
3	Link	BNC Port Link Indicator Light E100: On for 3 seconds, off for 1 second E10: On for 1 second, off for 1 second
4	PWR	Power indicator Light
5	Long Reach	Coaxial Cable Port

Package Included

① EoC Transmitter

① EoC Receiver

① User Manual

② Screw Bag

② BNC to Twist Pair Connector

Dimension

Transmitter and Receiver are alike:
79mm x 52mm x 23mm (Each)
(3.1" x 2.0" x 0.9")

0.9"
(23mm)
3.1"
(79mm)
2.0"
(52mm)

Updated on September 13, 2024

Disclaimer: Design and specifications are subject to changes without prior notice.