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EOC-Converter (Receiver+Transmitter)

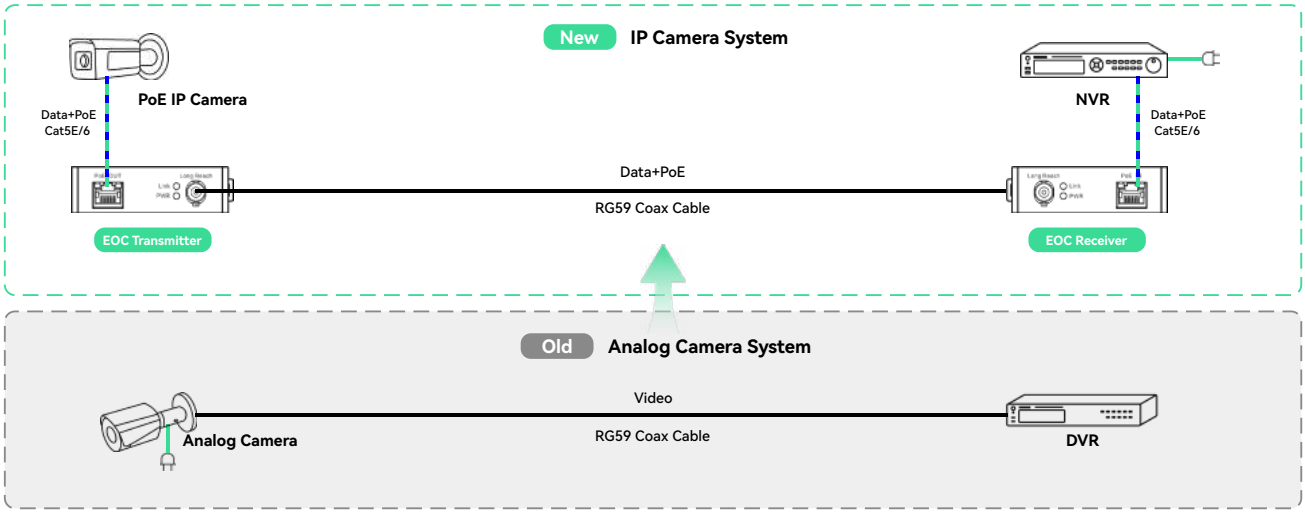
PoE + Ethernet over Coaxial (EOC) Converter, Upgrade Analog to IP Surveillance System without Replacing Coaxial Cables



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.

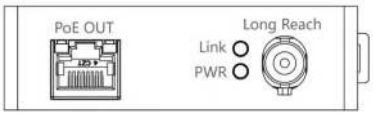
Connection Diagram



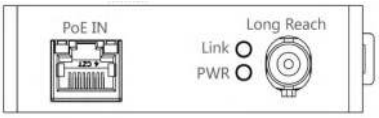
Specification

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



EoC Transmitter



EoC Receiver



User Manual



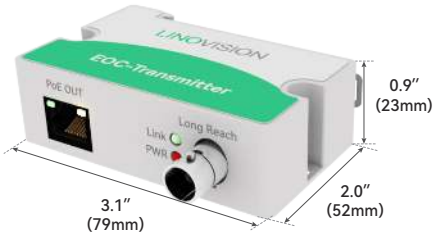
Screw Bag



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")



Updated on September 13, 2024

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

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