100Mbps Ethernet over Coaxial Cable

PoE EOC Converter

(EOC1C1E)

100Mbps 1C1E EOC Converter

◆Analog monitoring surveillance and HD network upgrading without replacing the coaxial cable

◆Long distance network extend that can be up to 1200 meters

◆Support multi-point access, one point to multi-point access

◆1 RJ45 port support Power-over-Ethernet (PoE), meet PoE standard IEEE802.3af and IEEE802.3at, total PoE power is 60W

◆Long distance centralized power supply, the effect is equivalent to PoE power supply

◆Transmission via coaxial cable, twisted pair, telephone line and other transmission media

◆There must be two or more transmissions, the same link(within the same physical coaxial or twisted pair) just set up the master device to support multiple devices work simultaneously

Product Description

Through coaxial cable transmission, can provide 100Mbps network flow with regular video cable or twisted pair; support 32-way 720P image (a million images) transmission, 24-way 960P image (1.3 million images) transmission, and 16 way 1080P image (two millions images) transmission. Built-in transmitting circuit and receiving circuit , and each converter is capable of transmitting and receiving function. Simple to use, no hardware or software debugging, no IP setting, just connecting the video cable to work normally.

Has the advantage of long distance transmission, high-speed communication, supporting multimedia services and flexing networking, etc. Widely applied for upgrading the original analog system to HD system, building new long-distance transmission systems, etc. Due to the wires selection diversity, all the original wires in the analog camera can be used as the transmission medium, no need re-wiring. Thus, just replacing the front camera, plus EOC transmitter device, you can upgrade the analog systems to HD digital network, save wiring time, manpower and material resources.

Technical Specification

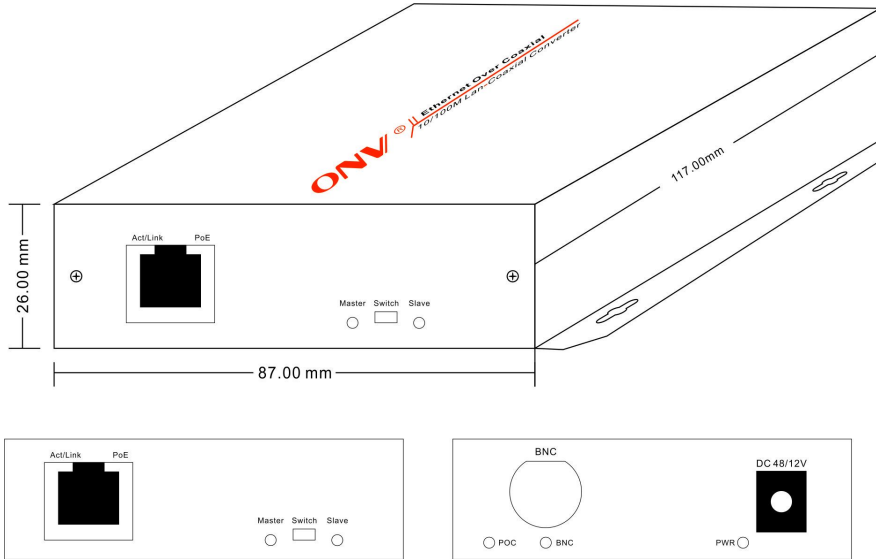| Product Model	EOC1C1E
Transmission Media	Coaxial Cable, Twisted Pair
Connector	1x RJ45 port + 1x BNC connector
Transmission Range/Rate	Cable length less than 400M - 190Mbps; Cable length less than 1000M - 70Mbps; Cable length less than 2000M - 30Mbps;
Coaxial Input/Output	BNC port/ 75ohm
LED Light Status	Network cable connected– LED light is on; Video cable connected–LED light is flashing
Master Slave Setting	Master mode solidified
Power Supply	48V DC,1.25A
PoE Port	1 PoE port
PoE Standard	IEEE802.3af and IEEE802.3at
Total PoE Power	60W
Working Temperature	-20℃ ~40℃
Relative Humidity	5%~95%, no condensation
Product Dimension	87x117x26mm

Cable Length and Speed Reference Table

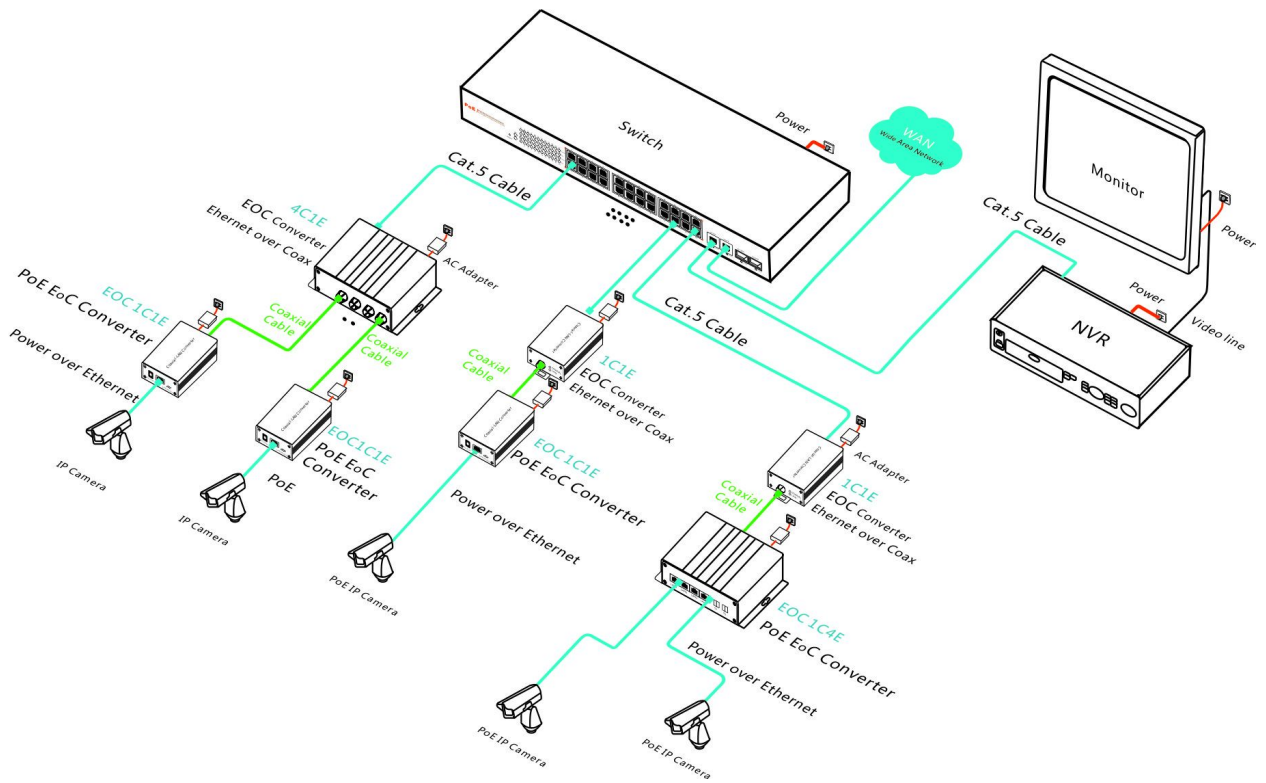| Cable Length(m)	Bandwidth(Mbps)	PHY TX & RX Rate(M)
1	91	200
200	93	190
400	93	190
600	86	160
800	77	120
1000	50	70
1200	10	30

Product Dimension Display

WxHxD (mm): 87X117X26mm

Product Application Display

Product Ordering Information

Product Model: EOC1C1E

Product Description: 100Mbps Coaxial Cable EOC Converter, 1x 10/100M auto-sensing RJ45 ports, 1X Coaxial Input/Output BNC port. 1 RJ45 ports support Power-over-Ethernet (PoE), meet PoE standard IEEE802.3af and IEEE802.3at, total PoE power is 60W. Power input: 48V, 1.25A.

Product Packing Lists

Packing Lists	100Mbps EOC Converter (EOC1C1E)
	Power Adapter
	User Manual
	Warranty Card