

### ❖ Overview:

LevelOne EOC-1101 is a conversion device for Ethernet over Coax. It can be used in pair or one to multi. The equipment can transmit by telephone line, Ethernet cable, UTP or coax, etc all kinds of common cables. Also have the excellent isolation and thunder prevention or anti-jamming function. In the practical project, this device is proved to be of high performance in surge prevention. It transmits IP video or Ethernet up to 1.5km at a max rate 70Mbps over existing coax, thus cut the cost by avoid re-cabling when swapping analogue cameras for IP/Megapixel models.

LevelOne EOC-1101 series POE version provides one POE port. It is no need for power adaptor and power cord, then be based on POE technology that can supply power for HD cameras, wireless AP, IP telephone equipment over the Ethernet Cable. Our EOC support IEEE802.3af (15.4W) and IEEE802.3at (25.5W) standard. Our LevelOne EOC-1101 also support POE power supply.(Local side can supply power over coax cable for the remote side IP camera and equipment.)

### ❖ Features

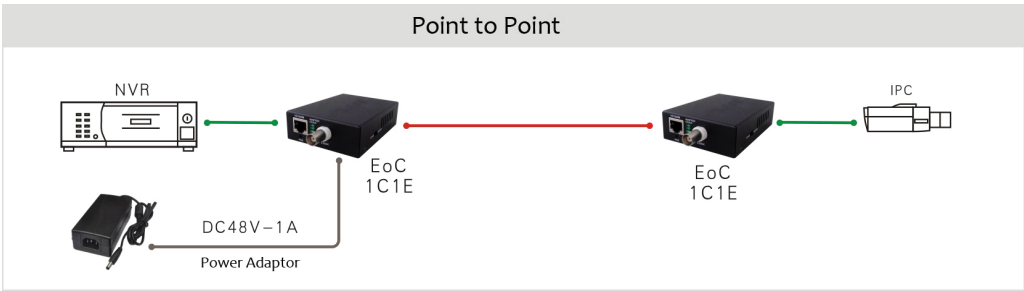
- \* Modulation frequency: 2 MHz-28 MHz
- \* Modulation method: OFDM
- \* Encryption: AES128-bit encryption
- \* Networking: One Master and 7 Slaves
- \* Protocol : IEEE802.3/u 10Base-T, 100Base-TX, IEEE802.1Q VLAN, IEEE802.3af/at
- \* Support Auto-sensation of MDI/ MDIX at Ethernet port, compatible with NIC, switch and HUB etc.
- \* Support up to 1522Bytes data packet
- \* Support Store and forward working mode; backpressure on Half-Duplex and flow control Full-Duplex.
- \* Power supply range: DC 12V-56V
- \* Operation temperature: -20-70℃
- \* Support Ethernet ESD protection and EFT
- \* POE (15.4W) and POE+ (25.5W) supported (optional)

### ❖ Specification

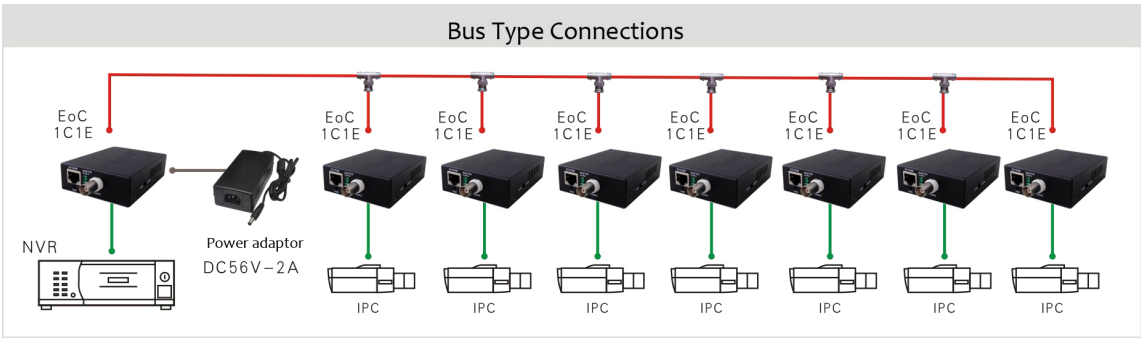
Parameter	Specification
Design grade	Commercial Grade
Rate	10/100Mbps
Protocol	IEEE802.3/u 、 10Base-T 、 100Base-TX 、 IEEE802.1Q VLAN 、 IEEE802.3af/at
Transmission distance	Coax ( SVY75-5 ) : 1.5Km(TCP/IP up to 70Mbps) Cat 5: 100m
Port	one RJ45: connected to STP/UTP cat 5 one BNC: Q9
Flow control	Duplex: flow control, Half Duplex: Backpressure
Error rate	<10 <sup>-9</sup>
MTBF	50,0000 hours
LED indicator	PWR- power, LAN- link/ Act, Coax- coax cable connection MASTER- master device monitoring
Power supply	Range:12~56 VDC
Power	<3W (without POE function)
Storage humidity	5%~90% Non condensation
Working humidity	5%~90% Non condensation
Working temperature	-20~70℃
Storage temperature	-40~85℃
Dimension	94mm×71mm×26mm
Weight	0.45kg

### ❖ Application

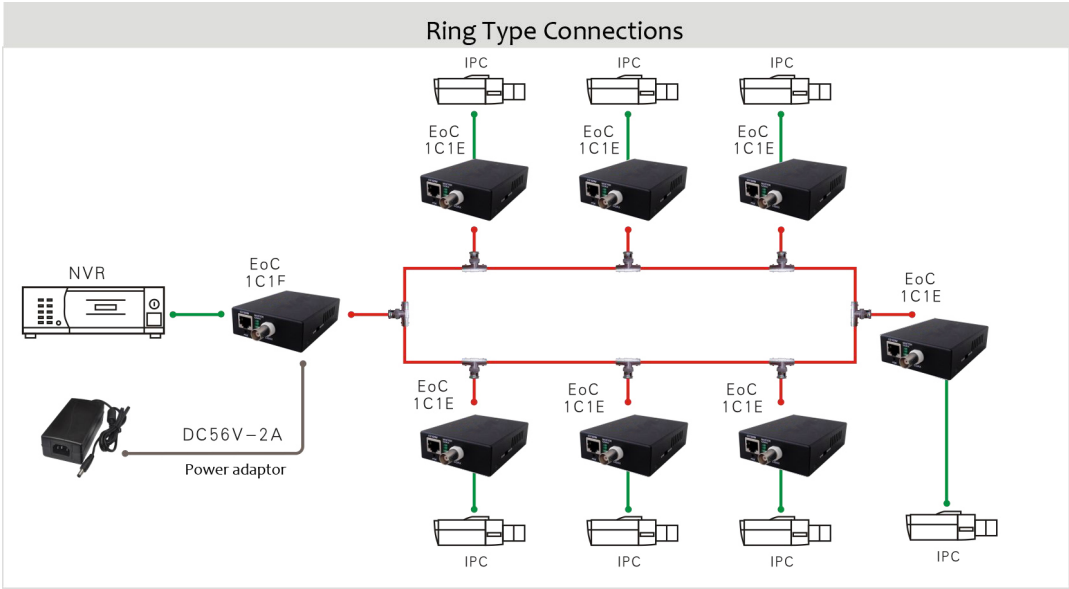
#### 1. Point to Point



#### 2. Cascading



#### 3. Aggregation

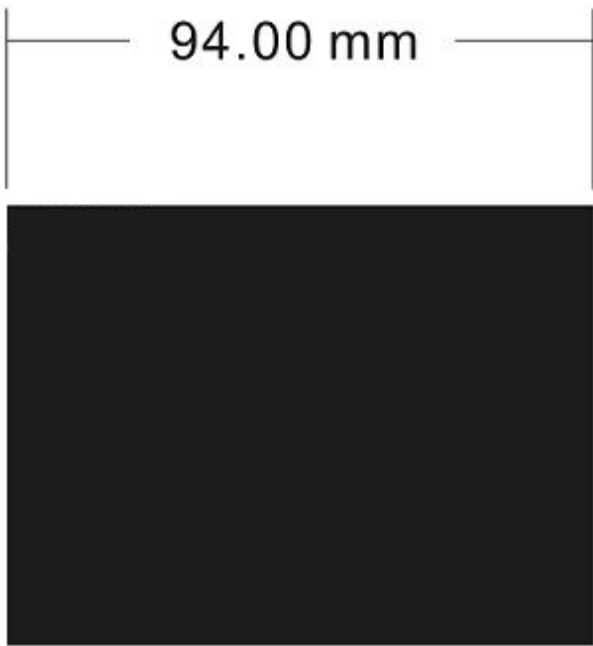


❖ Dimension

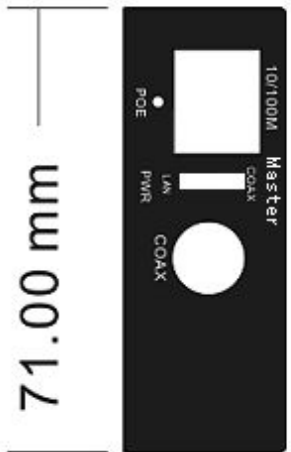
25.30 mm



94.00 mm



71.00 mm



❖ Order information

Model	Description
EOC-1101	EoC, Ethernet transmission over Coax,1 Ethernet port, 1 coax port (BNC port),without power adaptor, support POE function