

Ethernet Over Coaxial (EOC)

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 highperformance in surge prevention. It transmits IP video or Ethernet up to 1.5km at a max rate 70Mbps over existing coax, thuscut the cost by avoid re-cabling when swapping analogue cameras for IP/Megapixel models.

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. Also support POE power supply. (Local side can supply power over coax cable for the remote side IP camera and equipment.)

Features

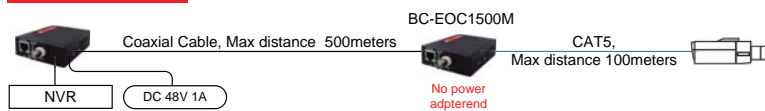
- Modulation frequency: 2 MHz-28 MHz
- Modulation method: OFDM
- Encryption: AES128-bit encryption
- Networking: One Master and 7 Slaves
- Protocol IEEE802.3/u 10Base-T, 100Base-TX, IEEE802.1Q VLAN, IEEE802.3af/at
- Support Auto-sensation of MDI/ MDIX at Ethernet port, compatible with NIC, switch and 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: -20-70C
- Support Ethernet ESD protection and EFT
- POE (15.4W) and POE+ (25.5W) supported (optional)

EOC transmitting bandwidth:

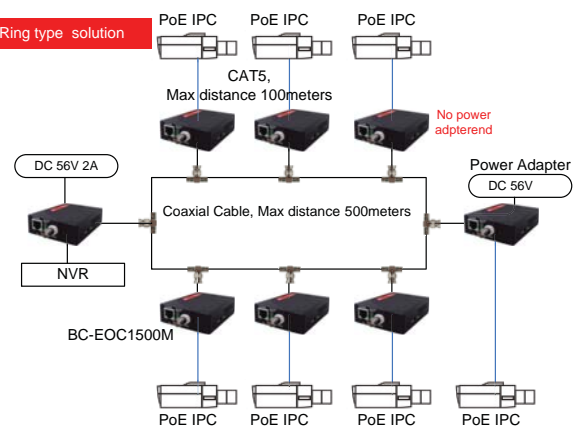
Transmitting Distance	Transmitting Bandwidth
500meter	60-70M
600meter	50-60M
800meter	40-50M

Transmitting Distance	Transmitting Bandwidth
1000meter	20-30M
1200meter	10-20M
1500meter	8M

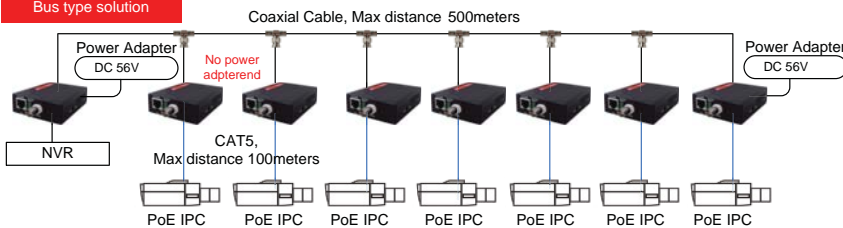
Point to Point solution



Ring type solution



Bus type solution



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	<10-9
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°C
Storage temperature	-40-85°C
Dimension	94mm×71mm×26mm
Weight	0.45kg

Order Part No.

Product Descriptions

BC-EOC1500M	EOC Video Converter, 1-ports Coaxial to 1-port Ethernet with POE(30W) for IP CCTV ,input AC110-220V, output DC 48-56V
BC-EOC5100M	EOC Video Converter, 1-ports Coaxial to 4-port Ethernet with POE(30W) for IP CCTV ,input AC110-220V, output DC 48-56V