Single channel Ethernet Over Coaxial Convertor (EOC)
Installation Manual

1. Product Structure

Power/Coaxiel LED

Camera working LED

DC12V input

RJ45 For IP Device

Slave/Master Switch
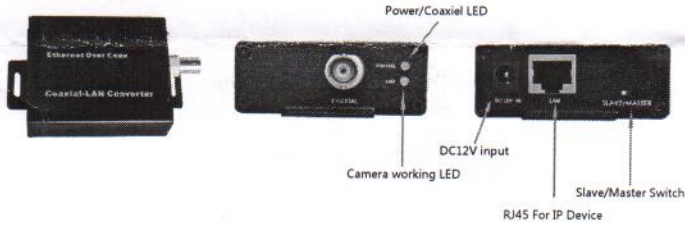
2. Product Specification

Power Supply	DC12V
Power Rating	<3W
Transmission Distance	EOC Port with Coaxial Cable: 2km (Maximum) Ethernet Port with Cat5\5e\6: 100m
ESD Protection	Contact Discharge Level 3 Air Discharge Level Per: IEC61000-4-2
Working Temperature	-10℃~55℃
Storage Temperature	-40℃~70℃
Dimension (L x W x H)	111mm x 64mm x 24mm
Material	Aluminum
MTBF	>30,000h

Product Features

a) Long Communication Distance

By SVY/SYWV75-5 cable, it can keep the TCP/II bandwidth no less than 30Mbps with a

transmission distance up to 2km.

b) Strong Extension Ability

No need of rewiring if need to increase the node. A coaxial cable/UTP can support up to 20

channels megapixel HD Video, alarm, intercom, control signal etc. to be transmitted at the

same time.

c) High performance

It can support up to 20 HD (720P) video transmission at the same time by coaxial cable or

UTP for a distance up to 300m . With its excellent anti-interference performance, it can be used

for road, bridge, elevator, tunnel and other environment.

d) Easy Installation

Slave/Master 2 in 1 design, plug & play, no need any software and hardware settings. With

it you caneasily have your old analog system migrated to megapixel HD cameras with the

existing wiring.

Transmission Parameters

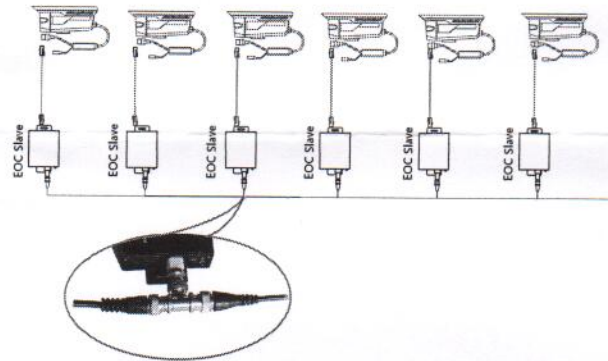| Bandwidth / Cable / Distance	Coaxial Cable SVY75-5	Twisted-Pair Cable CAT5e	Telephone Wire
300m	100Mbps	78Mbps	65Mbps
600m	90Mbps	65Mbps	55Mbps
1200m	78Mbps	60Mbps	35Mbps
1500m	50Mbps	40Mbps	25Mbps
2000m	30Mbps	25Mbps	15Mbps

Remarks: All the data of transmission distance, bandwidth etc. in this manual are from laboratory testingwith standard coaxial 75-5 & UTP cat 5e. It could be different in each project due to the quality difference of cables & workmanship of installation.

Installation Instruction

1) Allocate each IP cam an exclusive IP address but the same segment, for example:

192.168.0.1, 192.168.0.2 ...... 192.168.0.20 etc.

2) Have the EOC switched to 'Slave' for camera & 'Master' for NVR.

3) If more than one channel IP data to be transmitted by one coaxial/UTP, you can use

T-connector/UTP to coaxial convertor to have the EOCs connected to the cable.

4) Use Cat5e to have EOC connected to IP Cam or other IP device.

5) Setup you NVR.

Installation Diagram

1) By Coaxial Cable

2) By UTP

Network switch/Router

EOC Master

EOC Master