

Single channel Ethernet Over Coaxial Convertor (EOC) Installation Manual

1. Product Structure



2. Product Specification

Power Supply	DC12V
Power Rating	<3W
Transmission Distance	EOC Port with Coaxial Cable: 1.2km (Maximum) Ethernet Port with Cat5\5e\6: 100m
ESD Protection	Contact Discharge Level 3 Air Discharge Level Per: IEC61000-4-2
Working Temperature	-10°C~55°C
Storage Temperature	-40°C~70°C
Dimension (L x W x H)	111mm x 64mm x 24mm
Material	Aluminum
MTBF	>30,000h

Product Features

a) Long Communication Distance

By SVY/SYVW75-5 cable, it can keep the TCP/IP bandwidth no less than 78Mbps with a transmission distance up to 1.2km.

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 can easily have your old analog system migrated to megapixel HD cameras with the existing wiring.

Transmission Parameters

Bandwidth Distance	Cable		
	Coaxial Cable SVY75-5	Twisted-Pair Cable CAT5e	Telephone Wire
300m	100Mbps	78Mbps	65Mbps
600m	90Mbps	65Mbps	55Mbps
1200m	78Mbps	60Mbps	35Mbps

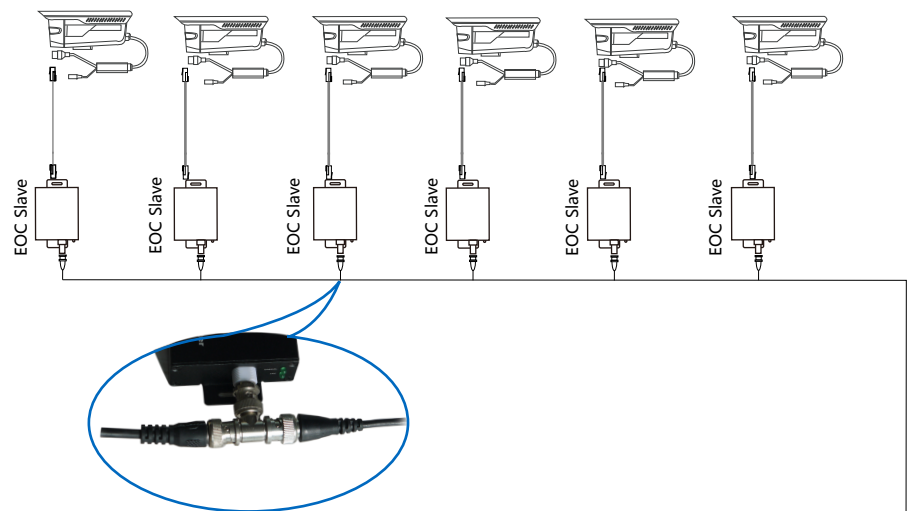
Remarks: All the data of transmission distance, bandwidth etc. in this manual are from laboratory testing with standard coaxial 75-5 & UTP cat 5e. It could be different in each project due to the quality difference of cables & workmanship of installation.

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

