Product Datasheet

100M Coaxial Cable EOC Converter
(EOC1T1E-3)

OVERVIEW

The EOC1T1E-3 coaxial cable EOC converter is a high-speed network transmission device. IEEE-based P1901 technology can transmit high-definition video and high-speed data signals through any two-core cable. Such as elevator accompanying cables, twisted pairs, coaxial lines, etc. for long-distance transmission, the transmission distance can be up to 2000 meters (75-5 coaxial line). Network signals and RS485 signals can also be transmitted on one cable at the same time. It can support remote power supply and signal transmission via common cable, which facilitates construction and saves costs.

The EOC1T1E-3 can support one-to-one and one-to-multipoint data transmission. long transmission distance, high communication rate, and support multimedia services, networking, etc.

FEATURE

1**. Long transmission distance:** For ordinary SVY75-5 cables, the maximum

transmission distance can reach 2km, while keeping the TCP/IP throughput not lower than

30Mbps.

2. **High communication rate:** Based on the SVY75-5 circuit, the on-site measured

TCP/IP throughput data is:

1) The cable length is less than 400M—92Mbps

2) The cable length is less than 1000M—74Mbps

3) The cable length is less than 2000M—30Mbps

3. Support plug and play, no need to change any configuration of network terminal

equipment such as network cameras.

4. Security and confidentiality. Support AES-128 security encryption; support

manufacturers and users to match codes by themselves, and change communication

passwords in real time on site.

5. It can make full use of the original coaxial cable, twisted pair or telephone line wiring,

without re-laying communication media such as Ethernet, which greatly simplifies network

deployment and reduces network installation costs.

Indication Lights

Equipped with two LED indicators

Coaxial: Physical link connection indicator for the coaxial cable, twisted pair link

connectivity when the indicator is on the line, please check if the light is off the

transmission line.

LAN Ethernet Link/ Activity LED: When an Ethernet connection has been established,

the indicator light, Ethernet connection when there is data activity, the indicator flashes.

Configuration button

The master/ slave selection of communication link. The buttons for the wave of the key

switch, when the switch to the left position, the device is configured as a master device

(Slave), when dial to the right position, the device must be configured as a slave device (Master). In one network, there is just a master device, but there are multiple slave devices.
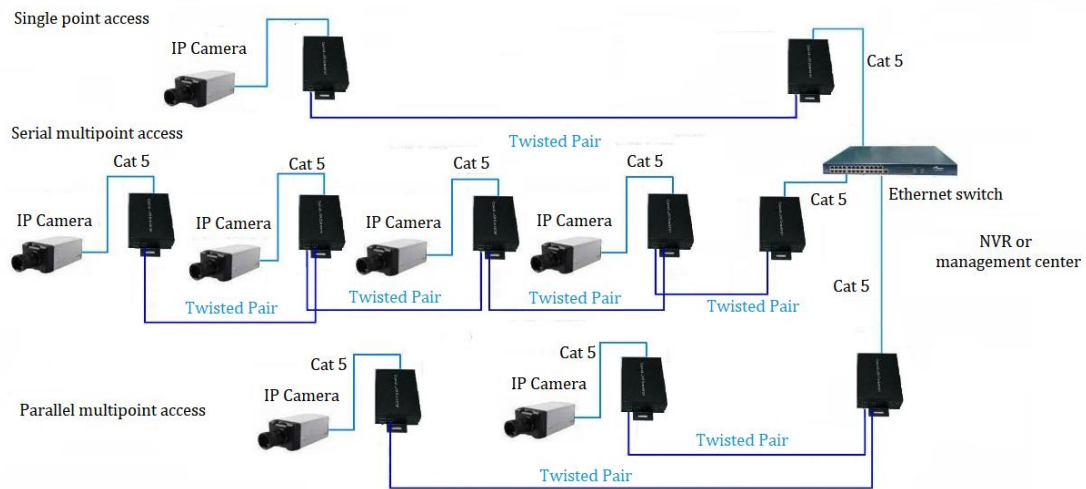
TECHNICAL SPECIFICATION

Model	EOC1T1E-3
Operating temperature	-20 ℃ to 80 ℃
Relative humidity	5% to 95%, non-condensing
Maximum power consumption	1.6W
Power supply	DC12V/1A
Size	110*65*25mm
Wide Receiver port	RJ45*1, UTP*2
Weight	60g

Cable type, transmission distance and speed

Transmission Distance	SVY75-5 Coaxial Cable	Twisted Pair CAT5e	Telephone Line
300 meters	100Mbps	78Mbps	55Mbps
600 meters	90Mbps	65Mbps	20Mbps
1200 meters	78Mbps	60Mbps	
1500 meters	50Mbps	40Mbps	
2000 meters	30Mbps	25Mbps	

APPLICATION

Device configuration

Twisted pair transmitter only needs to coordinate the communication link (that is, the same twisted pair) Master/ Slave mode when in use, usually only one master device can exist in a link (Master), all others are slave devices (Slave).

Toggle the Master/ Slave switch on the front panel of the device to determine the corresponding working mode of the device.

Operation steps

1. Choose master or slave.

2. The host and slave are connected with two core wires, please use the provided green terminal.

3. Connect the transmitter to the 12V power adapter respectively.

4. **Coaxial:** Physical link connection indicator: When the twisted-pair physical line is connected, the indicator is always on. If the indicator is off, please check the transmission line.

5. **LAN:** Ethernet interface connection/activity indicator light: The indicator light is always on when the Ethernet connection has been established, and the indicator light flashes when the Ethernet connection has data activity.

Note: After the device is powered on and the Master/Slave switch is toggled, it needs to

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be powered off and restarted, otherwise it will be invalid.

ORDERING INFORMATION

Model	Description
EOC1T1E-3	100M 1T1E coaxial cable EOC converter with 1*10/100M auto-sensing RJ45 ports and 1*coaxial input/ output port. Power supply voltage DC12V/1A. Default transmission distance 300 meters.

PACKING LIST

	Content	Qty	Unit
Packing List	100M 1T1E Coaxial cable EOC converter	1	SET
	DC12V, 1A Power Adapter	1	PC
	User Guide	1	PC
	Warranty Card	1	PC