VT-CEOCL

100M Coaxial Cable EOC Converter

Overview

The VT-CEOCL 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 twocore 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.

Feature

- Long transmission distance: For ordinary SVY75-5 cables,the maximum transmission distance can reach 2km, while keeping the TCP/I P throughput not lower than 30Mbps.
- Support plug and play, no need to change any configuration of network terminal equipment such as network cameras.

VidoNet

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It can support remote power supply and signal transmission via common cable, which facilitates construction and saves costs. The VT-CEOCL can support one-to-one and one-to-multi point data transmission. long transmission distance, high communication rate, and support multimedia services, networking, etc.

- 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.
- 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

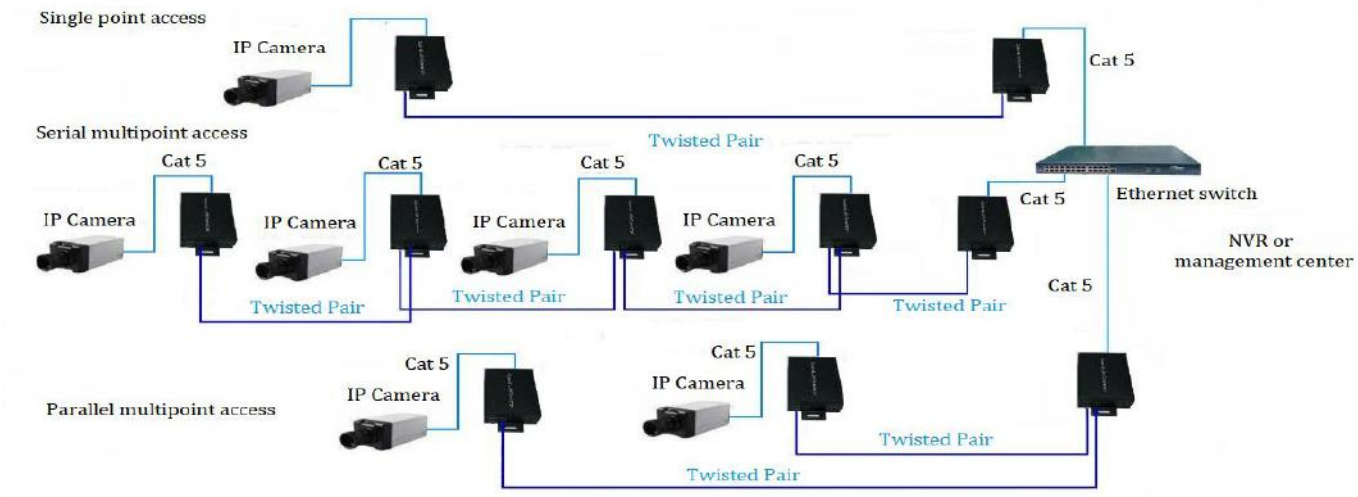
The master/ slave selection of communication link. The buttons for the wave of the key switch, when the switch to the left position, the device is configured as a master device (Slave), when dial to the right position, the device must be configured as a slave device (Master). In one network, there is just a master device, but there are multiple slave devices.

Model	VT-CEOCL
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 Coaxiai 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 be powered off and restarted, otherwise it will be invalid.