Overview

This equipment is a new type transmission device convert from Ethernet over coax. This device transmits by coax, can support 1 channel Ethernet. Its TCP network communication rate can reach 90Mbps, up to 1500m. The bandwidth is not lower than 30Mbps. In the actual project, this device can perform excellent ability of thunder prevention and anti-jamming. And it is widely used in Security Monitoring field and original analog security monitoring digital transformation environment.

Model description

Item	Description
IV-1RJ45T	1channel10/100M Ethernet over coax transmitter
IV-4BNCT	Ethernet transmission over Coax, 1 Ethernet port + 4 BNC port
IV-4RJ45T	Ethernet transmission over Coax, 4Ethernet port + 1 BNC port
EP1100-af/at	1channel10/100M Ethernet over coax transmitter +POE
EN1400-af/at	Ethernet transmission over Coax, 1 Ethernet port+4 BNC port +POE
EN4100-af/at	Ethernet transmission over Coax,4Ethernet port+1 BNC port +POE

EP1100-af: Support IEEE802.3af/at Standard (Transmitter 48-56V power supply)

EP1100-at: Support IEEE802.3at standard (Transmitter 48-56V power supply)

Packing list

Before install the converter, please confirm follow material

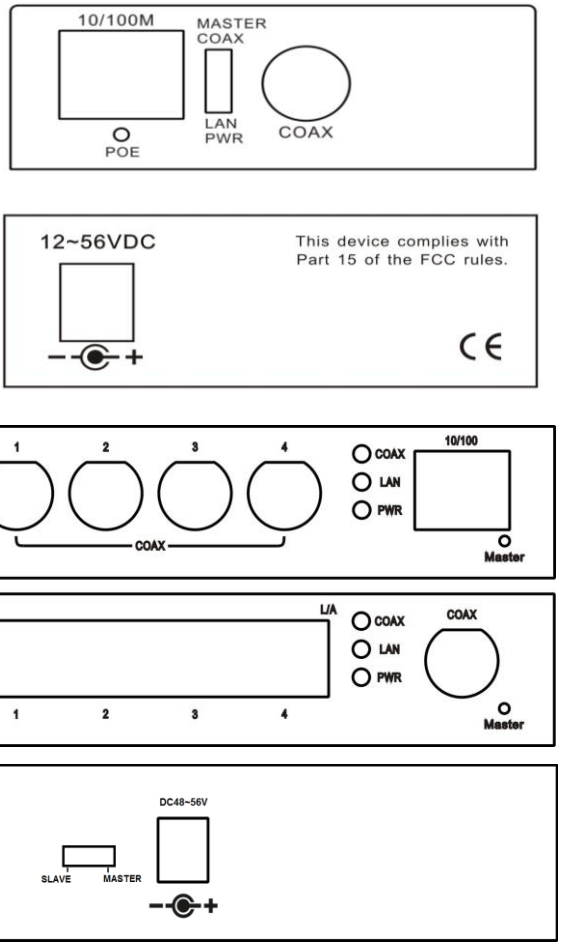
—— EOC converter;

—— power adaptor; (Optional)

—— User Manual;

If have missing or damage, please contact with our sales representative at once.

Panel and LED direction description



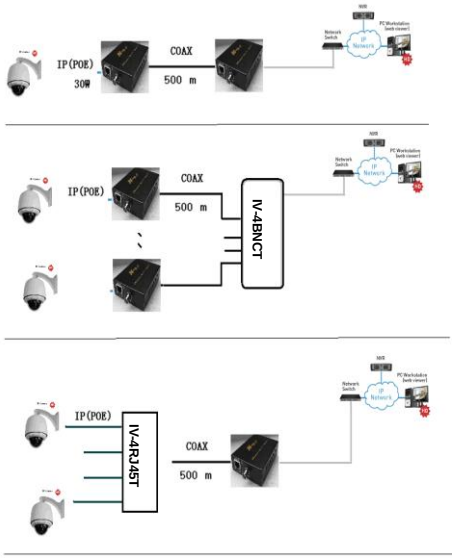
LED	LED	Color	function
Power LED	PWR	green	Power on
connect LED	LAN	green	Ethernet connection is normal
Copper axis LED	COAX	green	COAX Port connection is normal
master-slave LED	MASTER	green	Master Device LED
Ethernet power LED	POE	green	When connect PD equipment is bright

Install converter's step

1） before install, wear Grounding tools to release static.

2） Install cable use for connect network.

3） make sure AC supply voltage and DC voltage is correct, then insert power line.



Pic-1 Basic network connection diagram

Connect to the Ethernet equipment

1） EOC converter's Ethernet port connect with IP camera (switch and 10/100M network equipment)

2） Make sure transmitter and Receiver's COAX port is connected, and LAN indicate LED is light

Cable connection parameter

Wires type	RG59-75-5	SYV75-3(64)
COAX transmission interface	1500 m (typical value)	1000m (typical value)
Ethernet cable	TP:Cat5 up to100 m (POE function is optional)	

EOC technical specifications

Standard: IEEE802.3/U 10/100Base-T

IEEE802.3 af / at

Automatic identification MDI/MDI-X crossing line

		Description
Power	Power supply	AC adaptor
	voltage range	DC12V～56V (PoE is DC48-56V)
	Power Consumption	<3W (one end)
Ethernet interface	Port	RJ45
	Signal type	10/100Base-Tx
	Transmission distance	Up to 100m
Coax interface	Port	BNC
	Transmission rate	2Mhz - 28Mhz
	Transmission distance	Up to 1500m
Protection level	Transport channels surge protection	4KV (Common mode) Performance standard: IEC61000-4-5
	Whole electrostatic protection	1b Air discharge 3grade Performance standard: IEC61000-4-2
Operating environment	Operating temperature	-4°F ~ 158°F
	Maintaining temperature	-40°F ~ 176°F
	Humidity (No condensation)	0 ~ 95%
Case	Dimensions (Deep*Wide*Height)	IV-1RJ45T: 3.7" * 2.8" * 1.1" IV-4BNCT / IV-4RJ45T: 4.4" * 3.8" * 1.2"
	Shell	Ferrous material
	Color	Black
Reliability	(MTBF）	50000h

Notice: If connect with router or switch, please Refer to the technical manuals of this equipment.

Announcements

When use in pair, one must MASTER, another must slave (Through the side switch selection), **If not, can not communication.**

IV-4BNCT factory settings is MASTER, use the BNC port to converge in the Central Site.

IV-4RJ45T factory settings is slaver to connect 4pcs IPC.

Ethernet over Coax Transceiver

(EoC)

User Manual

(Do not use until you read this manual carefully)