IPOX

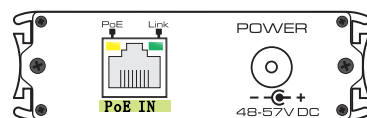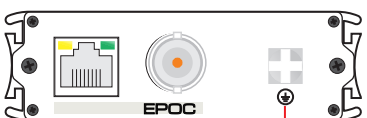- Max. distance 500m
- Max. 8 cameras
- Provide power for camera

This Ethernet extender consists of one SV-Unit and one IPC-Unit. It can transfer Ethernet signal of IPC-Unit to carrier signal though coaxial cable or network cable and extend to SV-Unit, then transfer carrier signal to Ethernet signal and transmit power synchronously. SV-Unit could use 54V power adapter or PoE power supply, which fully meets the needs of long distance Ethernet signal transmission and power supply. It is widely used in coaxial cable and network cable mixed wiring security surveillance and network rebuilding project.
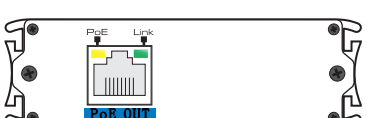
Board Diagram

SV Left side

SV Right side

Grounding terminal

IPC Left side

IPC Right side

Grounding terminal

EPoC Extender
E301EPOC

Feature

- The equipment consists of two parts: SV-Unit and IPC-Unit. SV-Unit has 48-57V DC port, one PoE input port and two output ports: BNC and RJ45; IPC-Unit has two input ports：BNC and RJ45, one PoE output port；
- Adopt advanced transmission and power supply technology, can transmit Ethernet signal and power signal up to 500m through coaxial cable and transmit Ethernet signal and power signal up to 400m through network cable;
- Ethernet delay less than 1ms；meet the requirement of point to point application；
- Standard: IEEE802. 3 10BASE-T，IEEE802. 3u 100BASE-TX，IEEE802. 3af/at；
- Protection: excellent circuit isolation protection, superior anti-thunder, anti-satific and anti-interference.

Specification

Item		Description
Power	Power Supply	PoE power supply or power adapter supply
	Voltage Range	DC 48V ~ 57V
	Consumption	< 2W
Ethernet Port Patameter	Ethernet Port	EPOC: 0~~100Mbps Ethernet: 10/100Mbps Transmission bandwidth changes with transmission distance, please refer to table 1
	Transmission Distance	EPOC Coaxial Cable: 0~500m EPOC Network Cable: 0~400m
	Transmission Medium	RG59 Coaxial Cable and Cat5e/6
	PoE Protocol	Support IEEE802.3af, IEEE802.3at
	PoE Power Supply	Support End~span and Mid~span
Ethernet Exchange	Standard	IEEE802.3 10BASE~T, IEEE802.3u 100BASE~TX
	Delay	< 1ms
Status	Indicator LED	PoE IN/OUT Port: One indicates PoE power supply or DC power status(RJ45 yellow), one indicates Ethernet signal transmission(RJ45 green); EPOC Port: indicates signal transmissiont (RJ45 yellow/green) light)
Protection Level	ESD	Level 3, 1a Contact Discharge Level 3, 1b Air Discharge Per: IEC61000~4~2
	Communicating Port	Level 3, Per: IEC61000~4~5
Operation Envioronment	Working Temperature	0℃~55℃
	Storage Temperature	~40℃~85℃
	Humidity (No~Condensing)	0~95%

Application