POE CABLING TRANSMISSION

ITEM NO.: IP01P POE Extender over Coax

IP01P Extender is designed to send and extend POE camera devices over existing coax cable. The distance could up to 300 meters by RG6U 75Ω Coaxial Cable. They are completely transparent to protocols, codes, and applications ensuring compatibility with any POE camera and its management software. It is perfect solution to replace the analog camera to POE camera using existing coax cable.

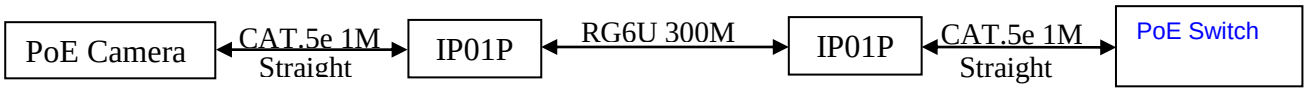
IP01P POE Extender over Coax 300M

- To extend POE camera over coax cable.
- Connects POE camera to 10/100BaseT POE Injector/Switch over one coax cable.
- Support POE: IEEE 802.3af and IEEE802.3at
- Support 10/100 Mbps transmission rate.
- Power source from POE Injector/ POE Switch (order separately)
- IP01P Power Source Option Model: POE Injector/Switch: IP05I/IP05H/IP06H/IP06I

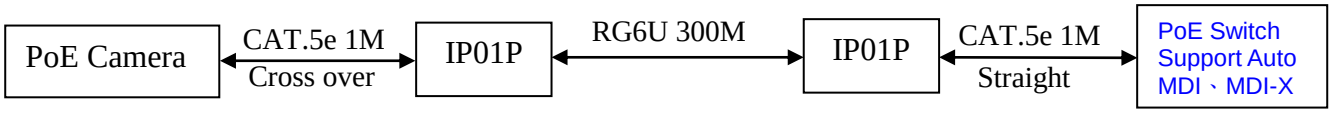
Installation Tip：

1. Before connection with PoE Switch, please check if it support "Auto MDI、MDI-X" mode or not.
2. Please find below four different network cable method based on the spec. of POE switch.
3. Package included two 20cm Crossover cable.

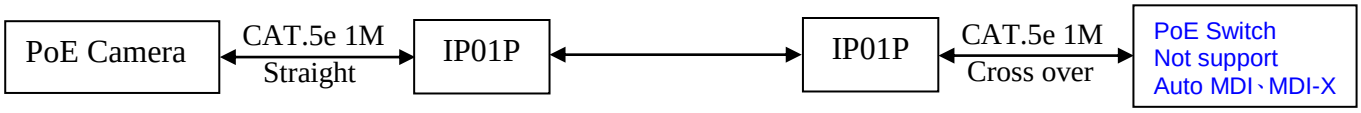
A. PoE camera and PoE switch both end using Straight cable connection, move the dip switch to MID-SPAN, the RJ45 LED light will be on (If the LED light not on, move the dip switch to END-SPAN)



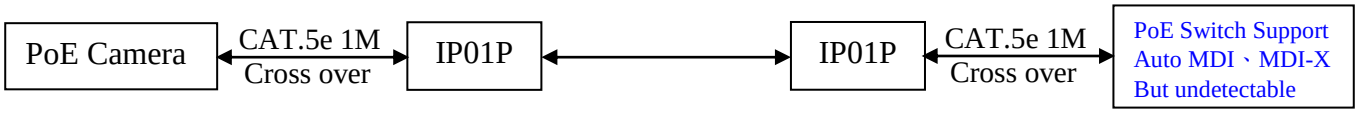
B. If the above connection not working, PoE Camera end use Crossover cable, POE Switch end use Straight cable.



C. If the above connection not working, PoE Camera end use Straight cable, POE Switch end use Crossover cable.



D If the above connection not working, PoE camera and PoE switch both end using Crossover cable.



Transmission Distance Chart :

Coax Cable	Distance	Link Speed	Power Output	
			PoE IEEE802.3af	PoE IEEE802.3at
RG59	100M	10Mbps	10W	20W
RG59	200M	10Mbps	7W	18W
RG6U	100M	100Mbps	10W	20W
RG6U	200M	10Mbps	7W	18W
RG6U	300M	10Mbps	5W	15W

Cable:

Link cable use high quality 75Ω coaxial RG59, RG6U cable.

RJ45 Pin Define:

1. Orange-white TX +
2. Orange TX -
3. Green-white RX +
4. Blue PoE+
5. Blue-white PoE-
6. Green RX-
7. Brown-white PoE-
8. Brown PoE-

LED Indication:

Green : Power ON/OFF

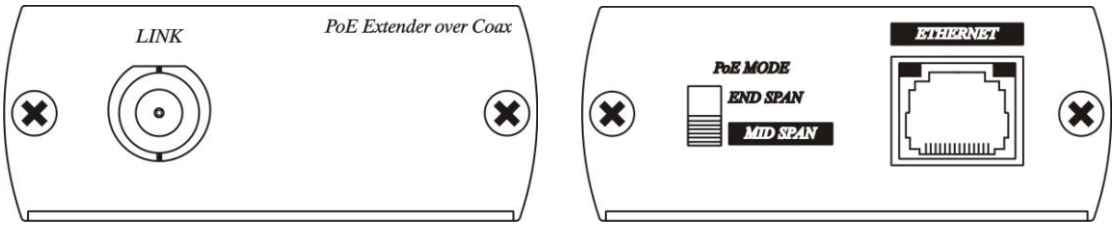
PoE MODE Switch :

END SPAN Using RJ45 Ethernet pin1 / 2 and 3/ 6 to send Power.
MID SPAN Using RJ45 Ethernet pin 4 / 5 and 7/ 8 to send power. (Recommend Setting)

Caution :

1. IP01P only works with PoE devices; please make sure the POE mode before connecting the power.
2. When doing switching MID-SPAN and END-SPAN mode, please make sure unplug the power to avoid any damage.
3. Use RG59 cable, the link speed max up to 10 Mbps
3. The Ethernet cable between IP01P unit and POE equipments must less 3 meters.
4. If the distance over 100M, please manual setting the link speed to 10Mbp.

Panel View:



Package Include:

IP01P x 2 unit (one pair)
Crossover cable 20cm x 2
Screws bag x 2

Specifications:

Item NO.	IP01P
Link Connector	BNC x 1
Ethernet Connector	RJ45 x 1
Linking Cable	75Ω coax cable
Ethernet Speed	10/100 Mbps
Transmission Distance	300M(Max)
PoE Standard	IEEE 802.3af and IEEE802.3at
PoE Mode Setting	MID-SPAN、END- SPAN
LED Indication	Power (Green) x 1
Power Consumption	1.25W (Max.)
Temperature	Operation: 0 to 55℃, Storage: -20 to 85℃, Humidity: up to 95%
Dimension mm	67 x 87 x 27
Weight g	150

RoHS CE FC

Rev.A