

POC-300M

Passive PoE over Coaxial Extender



RoHS CE FC 

Introduction

The Triplett POC-300M is a PoE (Power over Ethernet) extender that can use coaxial cable to send the signal to any TCP/IP 10/100BaseT device with transmission distance up to 300M (Bandwidth at 10Mbps). It is perfect solution to change analog camera to PoE one without replacing existing coaxial cable.

Features

- Sends PoE signal over coaxial cable.
- Signal extension up to 300M over RG6U coaxial cable.
- Bandwidth up to 100Mbps.
- Power from a PoE switch or a PoE injector.

Installation view

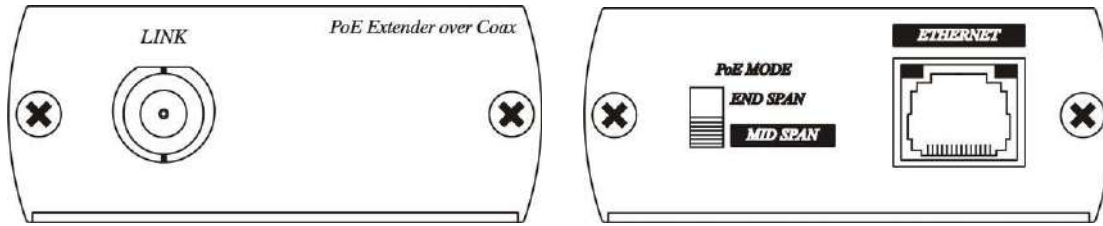


Transmission Distance

| Coax Cable | Distance | Bandwidth | 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 |

- Transmission distance and bandwidth may vary by cables and connectors used. We recommend using high-quality 75Ω coaxial RG59, RG6U cable.
- IP01P can support 100Mbps bandwidth only when using RG6U coaxial cables and the distance shorter than 100M. If the distance over 100M, please set the bandwidth to 10Mbps manually.

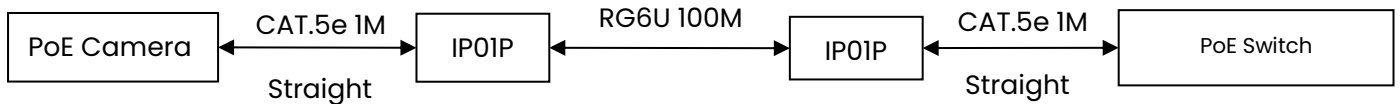
Panel View



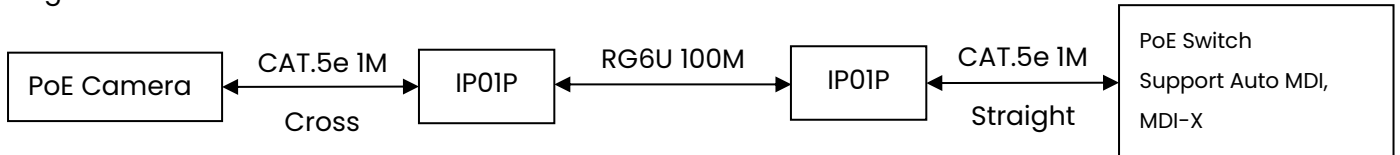
Installation Guide

1. Please check if your PoE switch supports "Auto MDI, or MDI-X" mode before connection.
2. Please find below 4 different cabling methods based on the spec. of your PoE switch.
3. Package included two 20cm crossover cable.

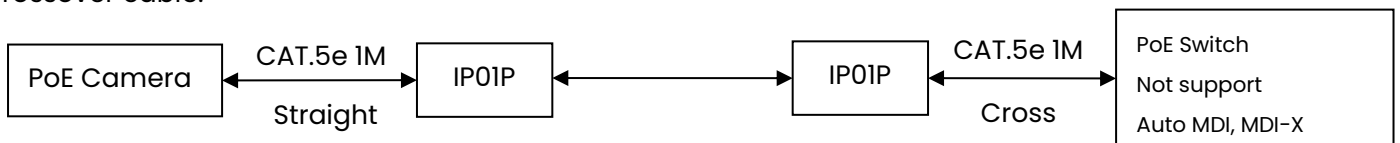
A. PoE camera and PoE switch both end using Straight cable connection, move the dip switch to MID-SPAN, the RJ45 LED will light (If the LED lights, move the dip switch to end span)



B. If the above connection does not work, PoE Camera end uses crossover cable, PoE switch end uses straight cable.



C. If the above connection does not work, PoE Camera end uses straight cable, PoE Switch end uses crossover cable.



D. If the above connection does not work, PoE camera and PoE switch both ends use crossover cables.

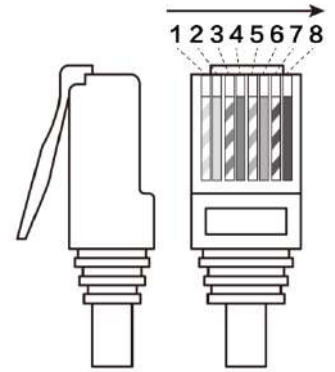


PoE Mode

| Connection Method | PIN |
|-------------------|---|
| End span | Pin1 / 2 and 3/ 6 to send Power. |
| Mid span | Pin 4 / 5 and 7/ 8 to send power (Recommended). |

RJ45 Pin Define

| No. | Pin Color | 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 - |



Caution

1. IP01P only works with PoE devices. Please make sure the PoE mode before connecting the power.
2. When switching MID-SPAN and END-SPAN mode, please unplug the power to avoid any damage.
3. RG59 coaxial cables can only support up to 10Mbps bandwidth.
4. The distance of Ethernet cables between IP01P and PoE equipment must less than 3 meters.
5. If the coaxial distance over 100M, please switch the bandwidth to 10Mbps manually.

What's in the Package

| No. | Item | Qty |
|-----|---------------------------------------|-----|
| 1 | IP01P | x 2 |
| 2 | Crossover cable 20cm | x 2 |
| 3 | Screws bag (To mount product firmly) | x 2 |

Specification

| | |
|--------------------------|---|
| ITEM NO. | POC-300M |
| Support | |
| Compliance | IEEE 802.3af, IEEE802.3at |
| Transmission Distance | 100M at 100Mbps over RG6U coaxial cable 300M at 10Mbps over RG6U coaxial cable |
| Network Bandwidth | 10/ 100Mbps |
| Ports & Interfaces | |
| Input | 1 x RJ45 |
| Output | 1 x BNC |
| Power | |
| Power Consumption | 1.25W (Max) |
| Ambient Temperature | |
| Operation | 0 to 55°C |
| Storage | -20 to 85°C |
| Humidity | Up to 95% |
| Physical Characteristics | |
| Dimensions | 67 x 87 x 27mm |
| Weight | 150g |

Warranty

Triplett / Jewell Instruments extends the following warranty to the original purchaser of these goods for use. Triplett warrants to the original purchaser for use that the products sold by it will be free from defects in workmanship and material for a period of (1) one year from the date of purchase. This warranty does not apply to any of our products which have been repaired or altered by unauthorized persons in any way or purchased from unauthorized distributors so as, in our sole judgment, to injure their stability or reliability, or which have been subject to misuse, abuse, misapplication, negligence, accident or which have had the serial numbers altered, defaced, or removed. Accessories, including batteries are not covered by this warranty

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