

# IP CABLING TRANSMISSION – Active Series

ITEM NO.: IP02, IP03



IP02/IP03 IP extender are designed to extend any TCP/IP devices for long range transmission up to 1.2Km over existing coaxial or cost effective CAT5 cable. They are completely transparent to protocols, codes, and applications ensuring compatibility with any IP camera and its management software. It is perfect solution for sending IP video links to remote camera installation that are beyond the 100 meters distance limit of Ethernet.

## IP02 Active IP Extender over Coax

- Send and extend IP camera signal or any TCP/IP devices over existing coaxial cable.
- Active type, including transmitter and receiver.
- Plug and play for easy connection
- Long range transmission up to 2000 meters ( Max.)

## IP03 Active IP Extender over CAT5

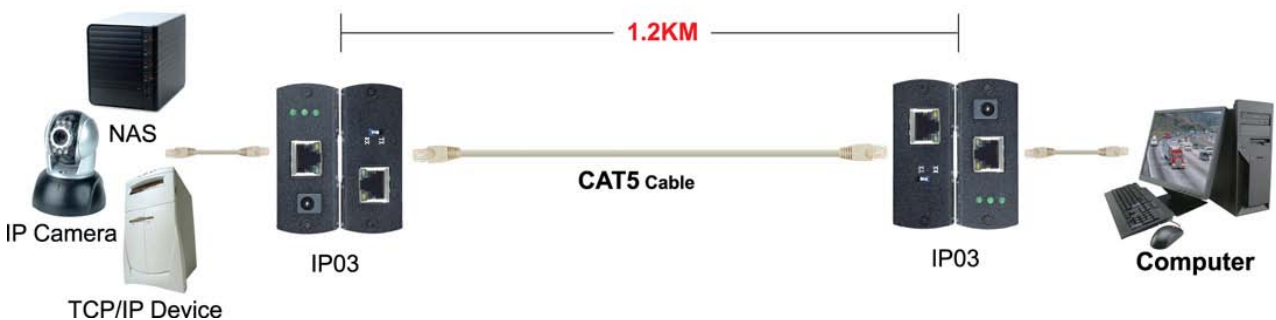
- Identical to IP02, but over CAT5 cable instead of coaxial cable.
- Long range transmission up to 1200 meters ( Max.)

### Installation View:

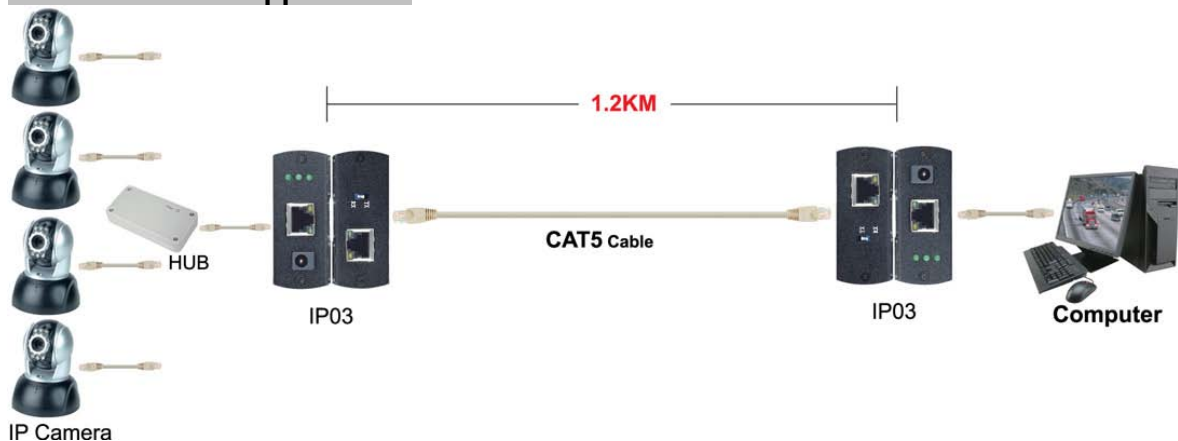
IP02



IP03

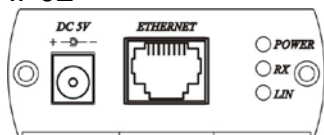


### Multi IP cameras application:

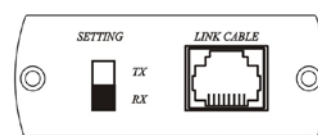
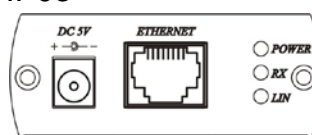
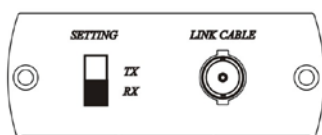


## Panel View:

### IP02



### IP03



## Cable:

**IP02 link cable: Hi quality coax cable such as RG59/U, Ethernet: Standard CAT5/CAT5e cable.**

**IP03 Link Cable/ Ethernet : Standard CAT5/CAT5e cable.**

## Cable Define:

### IP02 Link Cable

1. Central DATA +
2. Ground DATA -

### IP03 Link Cable (TIA/EIA-568-B)

1. Orange-white DATA -
2. Orange DATA +

## TX/RX Setting

TX/RX ↑ = Transmitter (IP Camera or any TCP/IP devices)  
↓ = Receiver (PC side)

## Status LED Display

1. Power LED ON = Power Good / OFF = No Power
2. RX LED ON = RX / OFF = TX
3. Link LED Slow Blink = Searching / Fast Blink = Linking / ON = Linked

## Ethernet LED Display

LINK / ACT Status LED (Green) ON = Link / Blink = ACT  
Link Speed LED (Orange) ON = 100Mbps / OFF = 10Mbps

## Caution:

In order to avoid interference or shorter working range. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

## Data Rate reference:

### IP02 use RG59/U cable:

300M 50Mbps  
600M 45Mbps  
1000M 40Mbps  
1800M 20Mbps

### IP03 use CAT5e UTP cable:

300M 50Mbps  
600M 40Mbps  
1200M 20Mbps

## Specifications:

ITEM NO.	IP02	IP03
Link Cable Connector	BNC x 1 (1 Vp-p , 75 Ohm)	RJ45 x 1
Link Cable Distance	2000M (Max)	1200M (Max)
Link Speed	50 Mbps @ 300 meters	
Ethernet Connector	RJ45	
Ethernet Cable Distance	100M (Max)	
Ethernet Speed	10M / 100Mbps	
Power Supply	DC 5V / 2A	
Power Consumption	750mA (Max)	
Dimensions mm	67 x 146 x 27	67 x 145 x 27
Weight g	215	210

