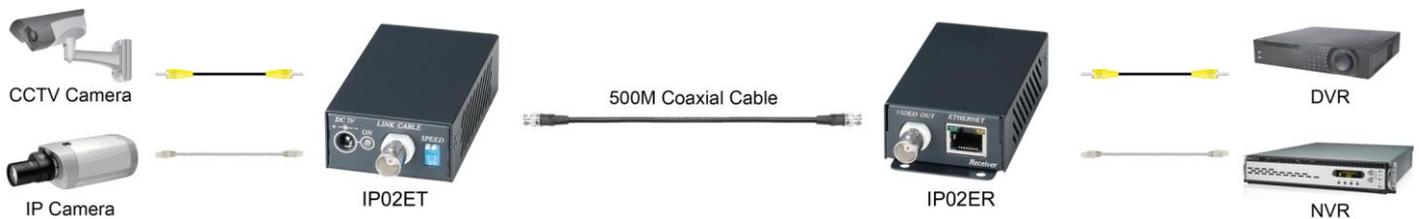| IP CABLING TRANSMISSION – Active Series |
| --- |

ITEM NO.: IP02E   IP Extender over Coax 500M

IP02E IP extender is designed to extend any TCP/IP devices for long range transmission up to 500M over existing coaxial cable.   Built in Analog video signal output which could send one Analog video camera and one IP video by same coax cable.   It is perfect to add one IP camera over existing CCTV analog video camera environment.   It is a great hybrid surveillance solution for sending IP video links to remote camera installation that are beyond the 100 meters distance limit of Ethernet and also support traditional analog CCTV camera.

IP02E   IP Extender over Coax 500M
- Extend IP camera signal or any TCP/IP devices over existing coaxial cable.
- **Send 1 port Analog video signal and 1 port IP video signal over same one coaxial cable.**
- **Long range transmission up to 500 meters (Max.)**
- Support 10/100BASE-T transmission rate.
- Perfect to upgrade the analog camera system into IP CCTV application.
- Plug and play for easy installation.

Installation View:

Cable:
Link cable use high quality 75Ω coaxial cable.

RJ45 Define:
Ethernet Cable (Use TIA/EIA-568-B)

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

DIP Switch Setting：

IP02ET Uplink data rate setting

 1 2
↑ ↑   21Mbps (default)
↓ ↑   25Mbps
↑ ↓   28Mbps
↓ ↓   36Mbps

IP02ER Uplink data rate setting

1	2	
↑	↑	3Mbps (default)
↓	↑	4Mbps
↑	↓	9Mbps
↓	↓	11Mbps

To make sure the transmission quality, you could setup the DIP Switch based on the cable distance, a longer distance setup to lower data rate; a short distance could be setup at higher data rate.
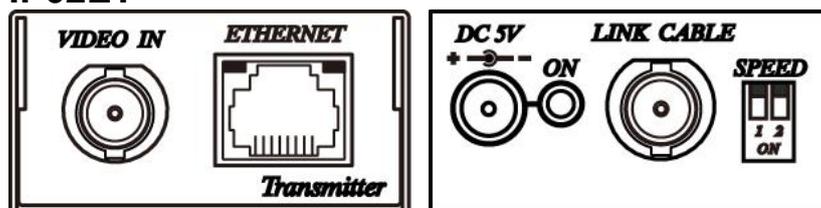
LED Indication:

Green ： Power ON/OFF
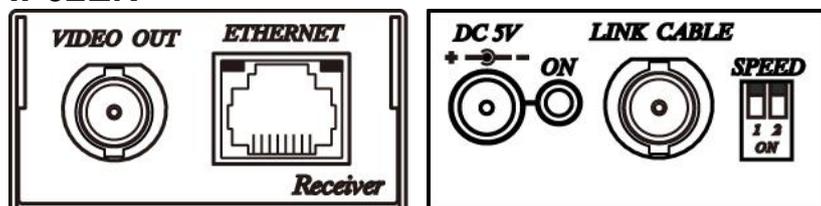
Yellow ： Ethernet 10/100Mbps linking

Green ： Flash → Data transmission

Panel View:
IP02ET

IP02ER

Specifications:

ITEM NO.	IP02ET	IP02ER
Ethernet Connector	RJ45 x 1	
Video Connector	BNC x 1 (75 Ω)	
Link Connector	BNC x 1 (75 Ω)	
Date Rate Setting	DIP SWITCH x 1	
Linking Cable	75Ω coax cable	
Ethernet Speed	10/100 Mbps	
Data Rate	Uplink：36Mbps , Downlink：11Mbps	Uplink：11Mbps, Downlink:36Mbps
Transmission Distance	500 M (Max)	
LED Indication	Ethernet (Yellow/Green) x 1，Power (Green) x 1	
Power Consumption	550mA (Max.)	
Power Supply	DC 5V 1A	
Temperature	Operation: 0 to 55℃, Storage: -20 to 85℃, Humidity: up to 95%	
Dimension mm	49.2 x 112.5 x 25.2	
Weight g	140	

RoHS CE FC C

Rev.A