DTV-IPCOAX/T

FEATURES:

- Support cascade mode; maximum four transmitters can be cascaded
- Ethernet transmission distance reaches max up to 1000 meters
- Power transmission distance reaches max up to 1000 meters with max 12W output power
- Provide power to devices; max up to 12V/1A
- Meet standards of EEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
- Support IEEE802.3af standard; automatically detect and recognize IEEE802.3af standard PD equipments and provide power to PD equipments
- High speed modem technology, the physical bandwidth is up to 100Mbps (bidirectional)
- Multi-stage strong surge and lightning protection design
- Low power consumption, automatic error-correction coding technology
- Easy to install, plug-and-play mode, fast network connection

The DTV-IPCOAX/T is Ethernet and power signal transmitter over single coaxial cable. The DTV-IPCOAX/T is used with DTV-IPCOAX/R, which is an ideal solution for reconstruction of old projects without any change of existing coaxial cable. You needn't change coax into network cable when you want to change analog cameras into IP cameras. Both of Ethernet and power transmission distance reach max up to 1000meters. The DTV-IPCOAX/T is able to provide power to POE cameras over network cable and it is able to provide power to NONE-POE cameras, too.

With high speed modern technology, the physical bandwidth is up to 100Mbps (bidirectional). The DTV-IPCOAX/T is built-in multi-stage surge and lightning protection protect video equipment against damaging voltage spikes and provide noise immunity to ensure quality signals without disturbing "hum-bars". The DTV-IPCOAX/T is widely applied to the fields such as network expanding system, network security system, network information distribution system, network upgrading & expanding system, railway and urban transportation, metallurgy and mining, field operations, etc.

QUICK SETUP GUIDE

Step 1: Begin with all input/output devices turned off with power cables removed

Step 2: Connect **Ethernet RJ45** of DTV-IPCOAX/T with **Ethernet RJ45** POE cameras over one CAT5e/6 cable

Step 3: Connect **Coaxial** of DTV-IPCOAX/T with **Coaxial** S-EPO7001R over one coaxial cable

Step 4: Connect **Ethernet RJ45** of DTV-IPCOAX/R with **Ethernet RJ45** of switch or NVR over one CAT5e/6 cable

Step 5: Connect 53VDC/1.3A power adaptor into **Input DC 48-56V** of DTV-IPCOAX/R

Step 6: Make sure above connection is properly finished, then turn on power.

Green indicator is on, which indicates Ethernet signal works ●

Red indicator is on, which indicates power works ●

Note:

1. Max four transmitters can be cascaded.
2. Ethernet and power signals reach up to 1000 meters when transmitter is used with receiver in pairs.
3. The distance between the farthest transmitter and receiver is not more than 600 meters when the transmitters are cascaded
4. Additional power will be required if power of POE IP camera exceeds 12W within distance of 1000 meters

DTV-IPCOAX/T

POWER

Power	Output:12V DC/1A
No-Load Power	1.5W(max)

RJ45 INTERFACE

Ethernet Interface	RJ45 Interface
Transmission Distance	100m (max) over cat5e/6
Standards	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE 802.3af
Physical Speed	100Mbps(bidirectional)

COAXIAL CABLE INTERFACE

Coaxial Cable Interface	BNC connector
Coaxial Cable Impedance	75Ohm
Maximum Distance	1000m(SYV75-5 Cable)

TRANSMISSION DISTANCE

Distance	Bandwidth
300m	100Mbps
500m	90Mbps
800m	70Mbps
1000m	55Mbps

LED INDICATORS

Green Light	Coaxial cable connecting indicator
Red Light	Power indicator

LIGHTNING PROTECTION GRADE

Network Port	Differential Mode:2KV	Common Mode:4KV
	Executive Standard：	IEC61000-4-5
Device	Contact discharge:	3 grade air discharge: 3 grade
	Executive Standard：	IEC61000-4-2

MECHANICAL

Dimensions(LxWxH)	103x54x26mm
Housing	Aluminum
Body Colour	Black
Weight	145g

ENVIRONMENTAL

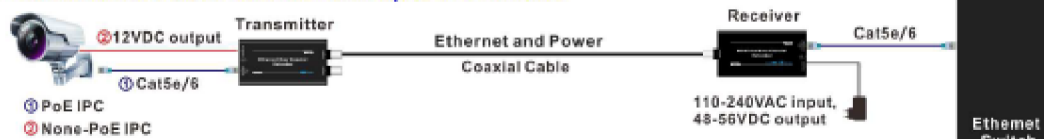|	
Operating Temperature	0～55°C
Storing Temperature	-25°C~85°C
Relative Humidity	0~95% (non-condensing)

APPLICATIONS

- Security Monitoring System
- Multimedia Network Teaching System
- Medical Monitoring Display System
- Industrial Automation Control System
- Banking, securities, financial information display system
- Remote Network Server Monitoring
- Department Store Security
- Casino Security
- Hospitals, Airports and banks
- School Campuses

APPLICATION DIAGRAM