DTV-IPCOAX/R

FEATURES:

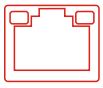
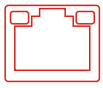
- Ethernet transmission distance reaches max up to 1000 meters
- Power transmission distance reaches max up to 1000 meters
- Meet standards of EEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
- Support IEEE802.3af standard; automatically detect and recognize IEEE802.3af standard PD equipments and provide power 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
- Include extra 53VDC/1.25A power adaptor

The DTV-IPCOAX/R is Ethernet and power signal receiver over single coaxial cable. The DTV-IPCOAX/R is used with DTV-IPCOAX/T, 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 1000 meters.

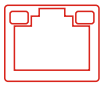
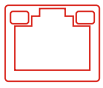
With high speed modern technology, the physical bandwidth is up to 100Mbps (bidirectional). The DTV-IPCOAX/R is built-in multi-stage surge and lightning protection protect video equipment against damaging voltage spikes and provide noise immunity to ensure quality signals without disturbing "hum-bars". The DTV-IPCOAX/R 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** DTV-IPCOAX/R 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/R

DTV-IPCOAX/R		
POWER		
Power Adaptor	Input:100-240VAC Output: 53VDC/1.25A	
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)	

DTV-IPCOAX/R

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