LINK AMERICAN CABLING

PS-0122SET

PS-0120T

PS-0121R

Ethernet over Coaxial with PoE

EoC w/PoE Converter

Scope of Application

LINK EoC Series is model for Ethernet over Coaxial with PoE under IEEE802.3af/at standards, fulll the real time transmission over coaxial. It transmits IP video or Ethernet up to 750m at a max rate 60Mbps over existing coax, thuscut the cost by avoid re-cabling when swapping analog camera for IP camera, and engineered to offer a solution for networks that are ready to convert from copper-based fast speed to coaxial cable. Along with the capability of converting media transmissions, PS-0122SET features intelligent functions like Auto MDI/MDI-X and auto-negotiation at ethernet port, LEDs, DIP switch for master and slave to provide easy plug-and-play.

PS-0122SET consists of PS-0120T and PS-0121R. PS-0121R is a conversion device for Ethernet over Coax and also supports power to supply for PS-0121T (local side can supply power over coax cable for the remote side). PS-0120T is no need for power adapter and it provides one PoE port, power up to 30W to IEEE 802.3af/at compliant. PoE technology that can supply power for powered devices such as IP cameras, wireless access points and access control devices.
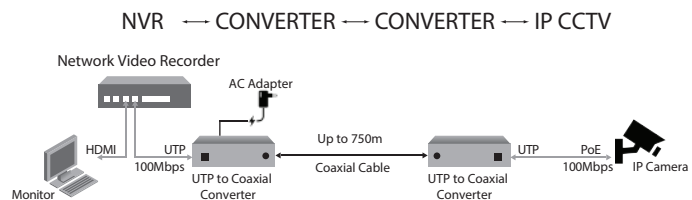
Featuring an RJ45 port and an BNC port, PS-0122SET converts 10/100Base-TX network to coaxial network cabling by easily integrating and allowing them to operate smoothly. This gives the utmost exibility in installing connections over coaxial and UTP to extend the reach of Fast Ethernet connectivity. PS-0122SET offers you the most economic and cost-effective solution to meet your need.

Features Highlight

- Supported Topology: Point to Point, Cascading
- 1 x 10/100Base-TX, RJ45 port (Support Full/Half duplex operations)
- 1 x BNC port
- Auto MDI/MDI-X and Auto-negotiation (NWay or auto-sensing) on RJ45
- Store and forward working mode, Back pressure and Flow Control support on Half/Full-Duplex
- Support packet size up to 1522Bytes

- IEEE 802.3af/at compliant
- Support to transmit VLAN packets (IEEE802.1q)
- Built-in ow control (IEEE 802.3x)
- Surge and ESD protection
- LEDs for device status
- Equipped with 52VDC, 2.5A AC adapter
- Operating temperature from -20°C to 70°C
- RoHS Compliant

Applications

The converter is functioning as a fast-speed bridge for each node on the IP CCTV network. This device consists of master and slave, in the solution can be set the local side as master, then the remote side will be slave. When working with power supply DC52V at local side, it can power the EoC model at remote side via coaxial cable. For the remote side, EoC model at IP camera end can also power (PoE) to cameras over Ethernet cable.

NVR ⟷ CONVERTER ⟷ CONVERTER ⟷ IP CCTV

Network Video Recorder

AC Adapter

HDMI   UTP   100Mbps   UTP to Coaxial Converter   Up to 750m   Coaxial Cable   UTP to Coaxial Converter   UTP   PoE   100Mbps   IP Camera

Monitor

Technical Data

Standards	
IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX
IEEE 802.3af	Power over Ethernet (PoE)
IEEE 802.3at	Power over Ethernet Plus (PoE+)
IEEE 802.3x	Flow Control

Coaxial Interface	
Connector Type	1 x BNC
Data Rate	60Mbps
Distance	Up to 750m (depends on IP camera resolution)

LAN (RJ45)	
Port	1 x 10/100Base-TX, RJ45 port
Speed	Up to 100Mbps
Max. Distance (meter)	100

Power	
Power Input	52VDC, DC Jack
Power Consumption	5W (without PoE function)
Power Adapter	100-240VAC, 50-60Hz, 52VDC/2.5A Adapter

Mechanical and Environment	
Housing	Metal
Dimensions (W x H x D)	94 x 26 x 71 mm
Weight	450g
Mounting	Desktop
Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C
Optering Humidity	5% to 90% RH (non-condensing)
Storage Humidity	5% to 90% RH (non-condensing)

LED Indicators	
PWR	Power
LAN	Link/Act
COAX	Coax cable connection
MASTER	Master device monitoring

Certications	
EMI/EMS	FCC Part 15 of Class A & CE Approved
	IEC/EN 61000-4-2 (ESD)
	IEC/EN 61000-4-5 (Surge)
Green Product	RoHS

Ordering Information	
PS-0122SET	1-Port FAST EoC w/PoE Converter SET, w/Adapter
PS-0120T	EoC w/PoE Transmitter, no Adapter
PS-0121R	EoC Receiver, no Adapter
PS-0194	Spare EoC AC Adapter 52V, 2.5A
	130W for EoC Receiver

Note :

* Specications subject to change without notice.

Drawing

Front Panel View

RJ45 Port   LED Indicators   BNC Port

Rear Panel View