

UTP7301EOC



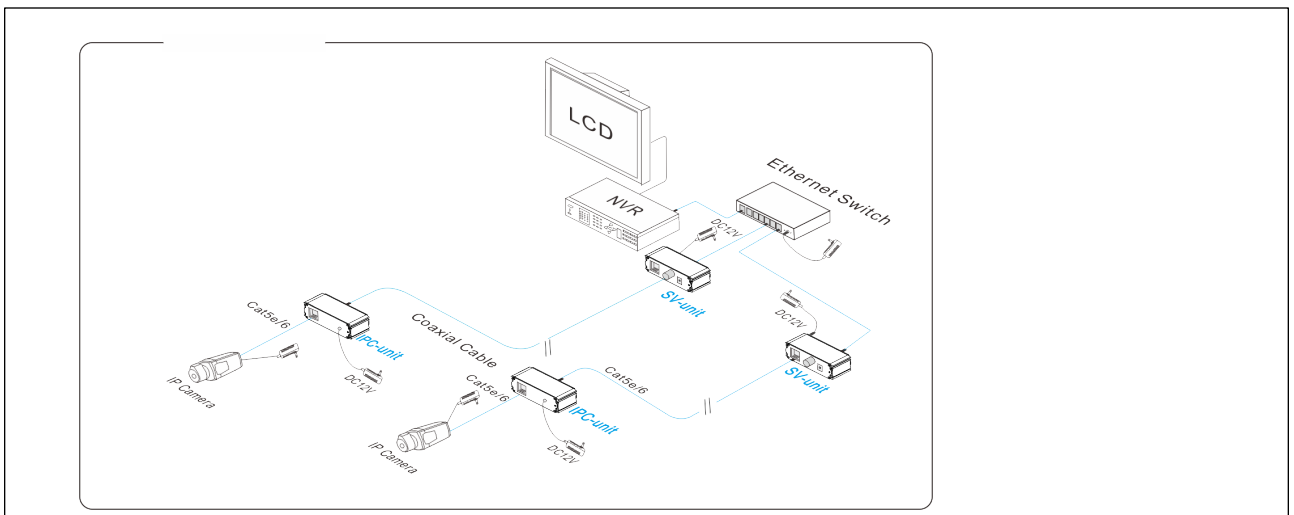
- The equipment consists of two parts: SV-Unit and IPC-Unit. SV-Unit has 12V DC port, one RJ45 input port and two output ports: BNC and RJ45; IPC-Unit has two input ports: BNC and RJ45, one RJ45 output port and one 12V DC port;
- Adopt advanced transmission technology to transmit Ethernet signal up to 1200m through coaxial cable and transmit Ethernet signal up to 700m through network cable;
- Ethernet delay less than 1ms; meet point to point application;
- Standard: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX;
- Protection: excellent circuit isolation protection, superior product anti-thunder , anti-satic and antiinterference;
- Appearance: durable and delicate, meet MIT rack installation standard, working temperature: 0°C ~ 55°C;
- Installation: Plug-and-play, no setting required.



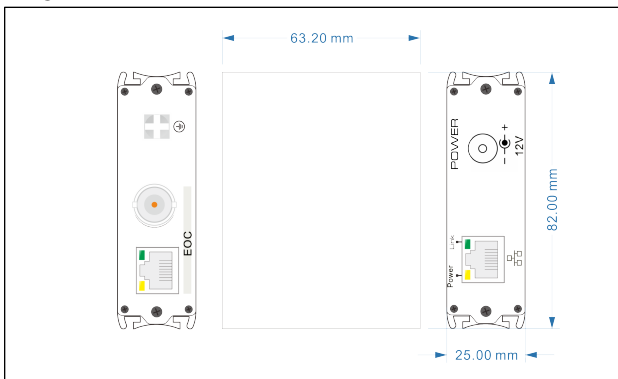
Introduction

UTP7301EOC consists of one SV-Unit and one IPC-Unit. It can transfer Ethernet signal from IPC-Unit to carrier signal and extend it to SV-Unit through coaxial cable or network cable. Then it transfers carrier signal to Ethernet signal. It can fully satisfy the transmission requirements of long distance Ethernet signal, and be widely used in security network surveillance and network transformation project where coaxial cables and ethernet cables are arranged mixed.

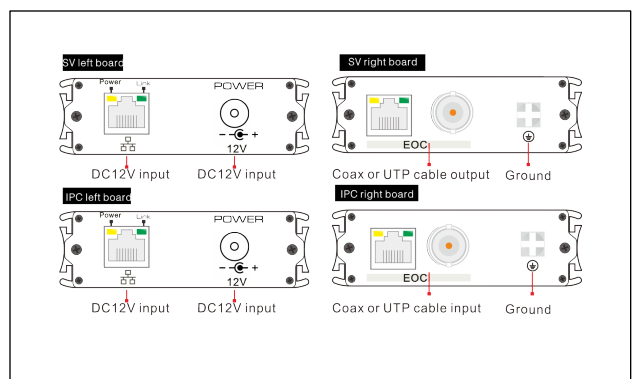
Application



Physical Features



Interface drawing



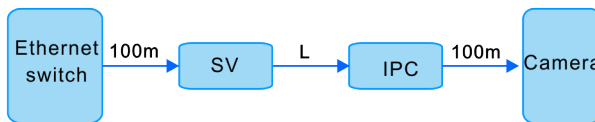
Specification

Model	Description
Power Supply	Power adapter supply
Voltage Range	DC 12V
Consumption	< 2W
Ethernet Port	EOC: 0--100Mbps Ethernet port:10/100Mbps; transmission bandwidth changes based on transmission distance, please refer to table1
Transmission Distance	EOC coaxial cable: 0-1200m EOC network cable: 0-700m
Transmission Medium	75-5 or above coaxial cable and Cat5e/6 cable
Ethernet standard	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
LED Indicator	Input/output ports: power status(RJ45 yellow) network signal transmission(RJ45 green); EOC: indicate cable connection(RJ45 yellow/green)
ESD protection	1a Contact Discharge level 3 1b Air Discharge level 3 IEC61000-4-2
Communication Port Anti-thunder Protection	IEC61000-4-5 level 3
Work temperature	0°C~55°C
Storage temperature	-40°C~85°C
Humidity(Non- condensin)	5%-95%
Dimension (L×W×H)	63.2mm×82mm×25mm
Weight	IPC:134g; SV:134g
Material	Aluminum
Color	Black
EMC/Safety	CE、FCC、ROHS

Table 1:

SV<->IPC cable length L	Bandwidth (Mbps)	
	75-5 coaxial cable	Cat5
100m	54.8	61
200m	54.6	53.7
300m	54.5	52.7
400m	54.4	51.3
500m	54.1	51
600m	53.9	47.1
700m	53.6	35.1
800m	53.1	/
900m	52.2	/
1000m	50.3	/
1100m	48.5	/
1200m	47.2	/

Picture 1:



Instruction: Test data in table 1 is required under a lab environment by the test method in picture 1. In actual case, there maybe some differences due to different cables and environments.

Package List

Designation	Quantity
IPC Unit Device	1
SV Unit Device	1
Power Adapter	1
User Manual	1

Related Products

Designation	Model
PoE Extender over coax	UTP7301EPOC