IP over Coax Converter HLR1001

IP over Coax Converter is a type of converter from RJ45 to BNC port, which supports long range power supply transmission via coaxial cable. It provides one BNC coaxial port and one RJ45 port.

The product is equipped with two transmission modes which are 100Mbps and 10Mbps. It can be modified according to the transmission distance.
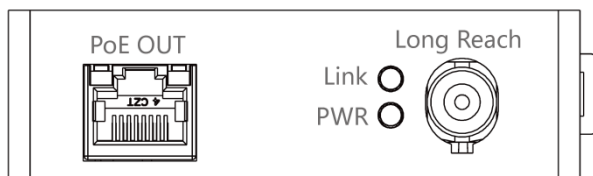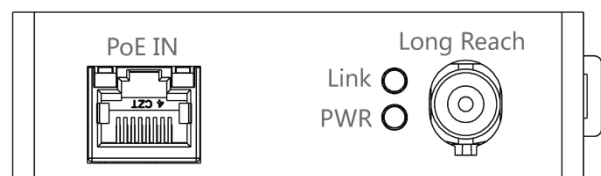
HLR1001-T(Transmitter)   HLR1001-R(Receiver)

FEATURES & BENEFITS

- Supports IEEE802.3, IEEE802.3u and IEEE802.3X standards.
- Port: 1*RJ45 10/100Mbps, 1*BNC.
- Supports IEEE802.3af and IEEE802.3at power supply standards.
- Supports MDI/MDIX self-adaption.
- Supports RG59 coaxial cable: 400m/100Mbps, 1000m/10Mbps.
- Supports long range power supply transmission via coaxial cable.
- Operating temperature: -30~65℃.
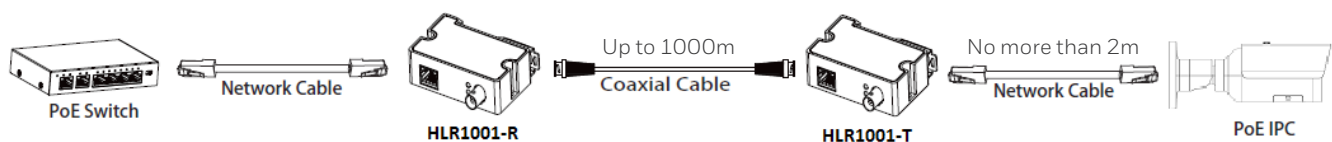
DEVICE STRUCTURE

HLR1001-T(Transmitter)

HLR1001-R(Receiver)

TYPICAL APPLICATION

Note: The maximum distance of network cable from HLR1001-T to IP camera should be no more than 2 meters using PoE.

IP over Coax Converter Technical Specifications

MODEL DESCRIPTION	HLR1001-T TRANSMITTER	HLR1001-R RECEIVER
FUNCTION PORT	1*10/100 MBPS BASE-TX 1*BNC	
POWER CONSUMPTION	<2W	
TRANSMISSION BANDWIDTH	RG59 coaxial cable: 400m/100Mbps, 1000m/10Mbps	
POE PROTOCOL	IEEE802.3af, IEEE802.3at	
NETWORK STANDARD	IEEE802.3, IEEE802.3u, IEEE802.3x	
LIGHTNING PROTECTION	Common Mode 4KV Differential Mode 2KV	
OPERATING TEMPERATURE	-30ºC-65ºC	
OPERATING HUMIDITY	5%~95%	
WEIGHT	61g	
DIMENSION (W×D×H)	79mm×52mm×23mm	

POE POWER SUPPLY SPECIFICATIONS (RG59 COAXIAL CABLE)

CABLE LENGTH (M)	COMMUNICATION BANDWIDTH (Mbps)	POE MAX LOAD CAPACITY (W)	NETWORK OPERATING MODE
100	100	21	E100
200	100	15	E100
300	100	11	E100
400	100	9	E100
500	10	7	E10
800	10	5	E10
1000	10	4	E10

PoE switch supply voltage 48V. RG-59, max. DC resistance < 5Ω/100m.

Note: Cable length means the total wire length from switch to transmitter (including network cable and coaxial cable). The transmission distance of network cable from HLR1001-T to IP camera cannot exceed 2 meters, when the camera is powered up with PoE.

CABLE LENGTH (M)	COMMUNICATION BANDWIDTH (Mbps)	POE MAX LOAD CAPACITY (W)	NETWORK OPERATING MODE
100	100	25.5	E100
200	100	24	E100
300	100	19	E100
400	100	16	E100
500	10	13	E10
800	10	8	E10
1000	10	6	E10

PoE switch supply voltage 53V. RG-59, max. DC resistance < 5Ω/100m.

Note: Cable length means the total wire length from switch to transmitter (including network cable and coaxial cable). The transmission distance of network cable from HLR1001-T to IP camera cannot exceed 2 meters, when the camera is powered up with PoE.

ORDERING

HLR1001	IP over Coax Converter (Transmitter + Receiver)

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

Honeywell