Craig Security Network
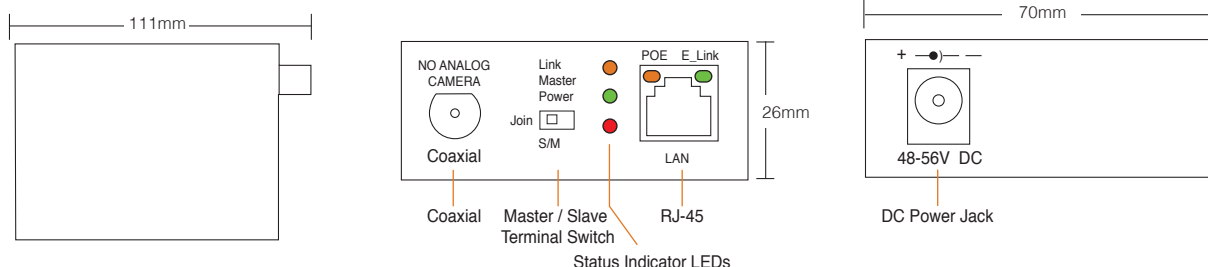
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CS-7601EC

Ethernet & PoE over Coax Transceiver

- Transmit 10/100 BaseT Full Duplex Ethernet up to 1,000m over coaxial cable.
- 48-56 Vdc is distributed over coax to all connected equipment. Power support PoE PoE+, or Ultra PoE IP cameras (or other PoE IP devices), up to 60 watts.
- One EoC transceiver at the network-end can support multiple remote transceivers / IP cameras by using BNC splitter to connector.
- Easy configuration, no PC required.
- Plug and Play Technology.

Technical Specification

Name	Model / Type	Specification
Product	Model No.	CS-7601EC
Coaxial-line Interface	Standards	Base on up-to-date advanced IEEE P1901 for ethernet over Coax Cable Application with raw data rates up to 90Mbps
	UTP Cable Device	CR700 / CR100
	Connector	Coaxial on device
Line Rates	Phy Rate	Maximum Link Rates 90Mbps
Ethernet Interface	Standards	ISO / IEC 802.3 (ANSI / IEEE 802.3i)10BASE-T Ethernet
		IEEE 802.3u , 100BASETx , Fast Ethernet
		IEEE 802.3ab 100BASE-T
	PHY Connection	TSZ7042 , 10BASE-T , 100BASE-T , With Auto-detect Auto MDIX
	Connector	RJ-45 Connector for 10BASE-T , 100BASE-Tx Ethernet Interface
LED Indicators	RJ45-DATA	Data Link / Green
	RJ45-PoE	PoE On / Yellow
	Power	48-56Vdc Link/Red
	Join	Link/Yellow
Encryption	Encryption method	128-bit AES Link Encryption with key management for secure. Power line communication.
IGMP	IGMP Protocol	Supports IGMP multicast sessions ToS , CoS and IP port number packet classification
PoE	Standards	IEEE 802.3 at / af Both supports
	Maximum Power	Up to 60W
System Power	Voltage	AC/DC Power adaptor , AC 90 ~ 260V , 50Hz / 60Hz , 48-56Vdc, 2A
Agency Approval	AC Line Safety	UL 60950-1 and CE60950 for ITE Devices, CAS, TUV
	Emissions	FCC Part 15 Sub Part B for Class B
	Surge Protection	4KV / 1.2 , 50 us , 2KA / 8, 20uS for AC/DC Adaptor
Mechanical	Dimensions	With Bracket: L111 X 95 X 26mm Without Bracket : L111 X 70 X 26mm
	Weight	180g
Enviroment conditions	Operating Temperature Range	-20°~75°C
	Humidity Range	10% ~ 90%
	Storage Temperature	-40 ~ 80 °C

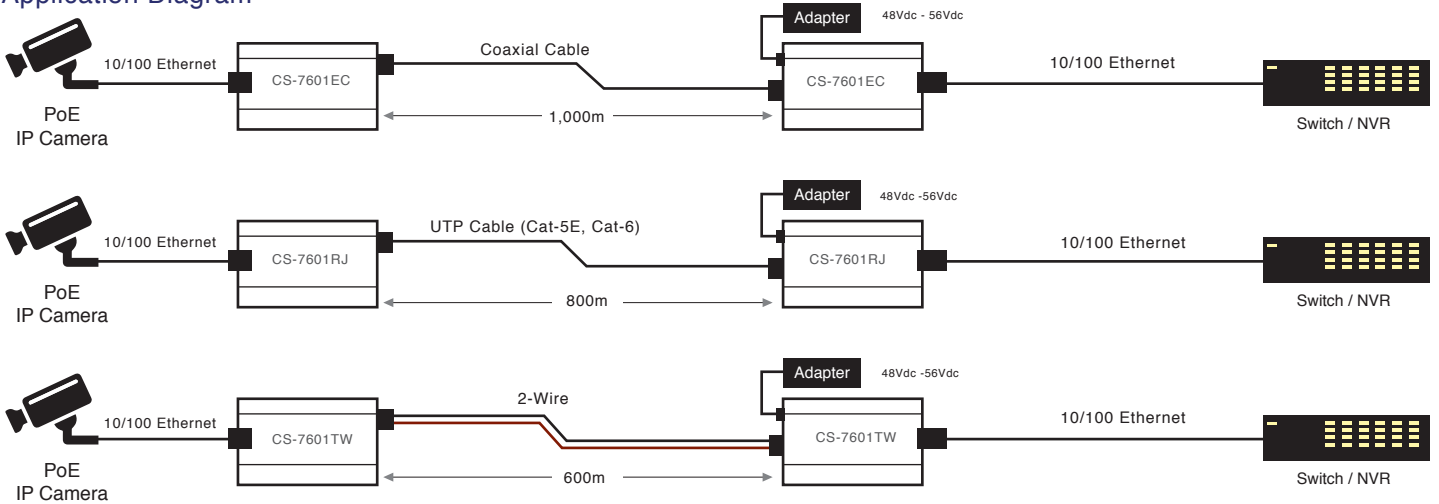| Up To **1km** Coax	**90Mbps** per Camera	Up To **600m** 2-Wire	Ultra PoE up to **60W**	Up To **800m** UTP	Ethernet **10/100**	**1:3**
PoE distance up to 1.000m on Coax	Bandwidth up to 90Mbps	PoE distance up to 600m on 2-Wires cable	Supports PoE, PoE+. or Ultra PoE up to 60W	PoE distance up to 800m on UTP cable	Transmit full duplex 10/100 Ethernet	Multi-connection for both Tx / Rx on Coax / 2-Wires cable

Application Diagram