



Craig Security Network

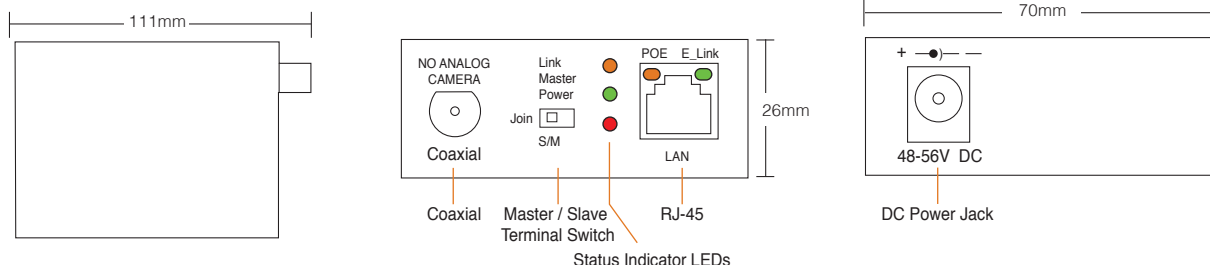
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CS-7151EC-TX/RX

Ethernet & PoE over Coax Transmitter/Receiver

- Transmit 10/100 BaseT Full Duplex Ethernet up to 400m over any Coaxial cable.
- 56 Vdc is distributed over the Coax to all connected equipment. PoE Powers are deployed by using the existing PoE switch Power. The Maximum power is 15 Watts per IP device.
- One CS-7151EC-TX are connected to the any IP device in the field and CS-7151EC-RX are connected to PoE switch. No power adaptor required.
- Easy configuration, no PC required. Plug and play technology.
- Please refer to our Quick Installation User Manual for more detail.



Technical Specification

Name	Model / Type	Specification
Product	Model No.	CS-7151EC-TX and CS-7151EC-RX
Coaxial-line Interface	Standards	Base on up-to-date advanced IEEE P1901 for Ethernet over Copper(EOC) Application with raw data rates up to 95Mbps
	Copper-line Device	CR700 / CR100 Advanced Integration
	Connector	Coaxial cable for BNC Adaptor outlet connection
Line Rates	Phy Rate	Maximum Link Rates 95Mbps
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	USZ8041 , 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
	BNC Join	CS-Product link / Orange
	Master/Slave	CS-Product link / Orange
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 15Watts
System Power	Voltage	AC/DC Power adaptor , AC 90 ~ 260V , 50Hz / 60Hz , 56V DC 1.5~2A
Agency Approval	AC Line Safety	UL 60950-1 and CE60950 for ITE Devices, CAS, TUV
	Emissions	FCC Part 15 for Class A
	Surge Protection	2KV / 1.2 , 50 us , 1KA / 8, 20uS for AC/DC Adaptor
Mechanical	Dimensions	With Bracket: L111 X 95 X 26mm . Without Bracket : L111 X 70 X 26mm
	Weight	195g
Enviroment conditions	Operating Temperature Range	-20°~75°C
	Humidity Range	10% ~ 90%
	Storage Temperature	-40 ~ 80 °C

Up To
400m
Coax

PoE distance
up to 1.000m
on Coax

(With Power Adaptor)

90Mbps
per
Camera

Bandwidth
up to
90Mbps

Up To
200
2-Wire

PoE distance
up to 600m
on 2-Wires cable

(With Power Adaptor)

Up To
300m
UTP

PoE distance
up to 800m
on UTP cable

(With Power Adaptor)

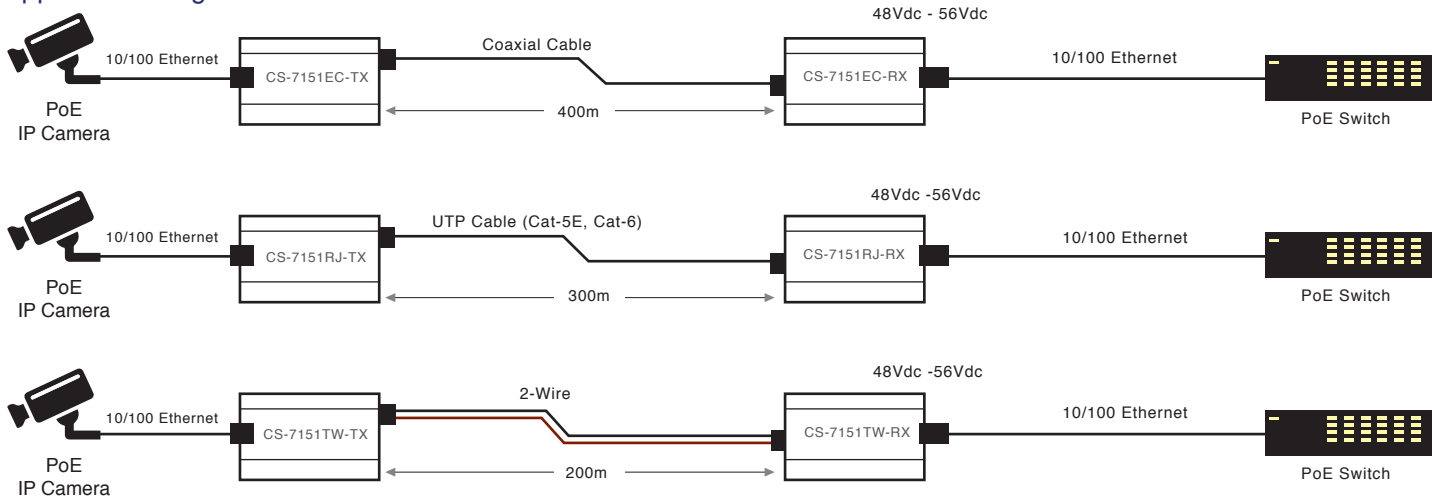
Ethernet
10/100

Transmit full
duplex 10/100
Ethernet

1:3

Multi-connection
for both Tx / Rx
on Coax /
2-Wires cable

Application Diagram



This product has passed all of the required tests and comply the regulation of RoHs certification.
CE-EN 60950-1/EN 55032 / EN 55024, FCC Part 15B Class B

*Above spec may be differnet by installation environment.