

CLR-EOC-xxx

Ethernet (RJ45) to Coaxial Converter for IP Camera Systems Master/Slave



Overview

CLR-EOC-11M & CLR-EOC-11S Ethernet over Coax (EOC) extender set transmits Ethernet packets from IP cameras over coaxial cable and can quickly turn any ordinary coaxial cable into a high speed network communication path. This gives the advantage to the project owners of utilizing existing coax infrastructure, thus minimizing the implementation cost and time. No need to replace existing coax cables with fiber optics. The system can operate for distances of up to 1500 meters which overcomes cable distance limitation in cat6 UTP cables.

CLR-EOC-11MP & CLR-EOC-11SP set is capable of providing PoE power to the PoE IP Camera. CLR-EOC-11MP works as PD (Powered Device) located in front of a PoE switch. CLR-EOC-11SP works as a PSE supplying power to the connected IP camera.

CLR-EOC-14M & CLR-EOC-18M Ethernet over Coax (EOC) extenders must be used together with CLR-EOC-11S as a set, where 14M&18M are located on the central position, and 11S is located on the IP camera side.

Area of usage;

- IP camera systems where the camera is far beyond Cat6 cable coverage which is 100m. PoE support is also available.
- IP camera systems where using existing coax cables is preferred instead of laying Cat6 UTP cables.

Features

- Used as a pair of transceivers
- Easy and quick installation, no need to make configuration.
- IP cameras can be installed easily, quickly, and reliably, without expense of installing new cables
- Transmission distance can be accomplished up to 1500 meters with different data rates.

Specifications

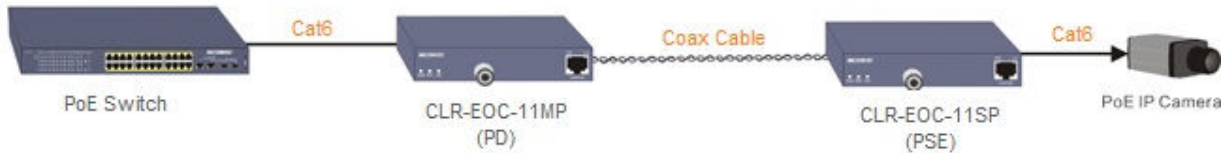
Video and Data Features	CLR-EOC-11M	CLR-EOC-14M	CLR-EOC-18M
Network Standards	IEEE802.3i, IEEE802.3u, IEEE802.3x		
Connector type	1xBNC for coax, 1xRJ45 for Eth interface	4xBNC for coax, 1xRJ45 for Eth interface	8xBNC for coax, 1xRJ45 for Eth interface
Cable type	75Ω coaxial cable and Cat6 UTP Cable		
Forwarding method	Store and forward		
Data rate for ethernet interface	10/100Mbps		
Transmission Distance with 75Ω Coaxial Cable	300 meters at 90Mbps		
	400 meters at 80Mbps		
	600 meters at 60Mbps		
	800 meters at 50Mbps		
	1200 meters at 30Mbps		
			1500 meters at 15Mbps
General Parameters	CLR-EOC-11M	CLR-EOC-14M	CLR-EOC-18M
Operating Temperature	0 °C ~ +50 °C		
Storage Temperature	-20 °C ~ +70 °C		
Relative humidity	0 ~ 95% (Non-condensing)		
Dimensions	28 x 85 x 117 mm	28 x 85 x 117 mm	28 x 105 x 217 mm
Power Supply	DC 12V		
Power Consumption	<3W		

Application

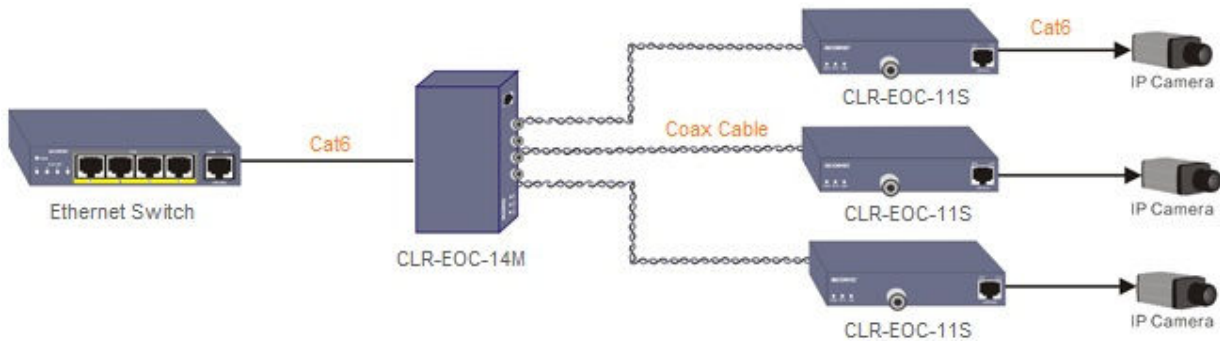
Typical Ethernet over Coax Application



PoE over Coax Application (PoC)



EOC Point to Multipoint Application



Ordering Information

CLR-EOC-11M	1Port Ethernet (RJ45) to Coax Converter Master
CLR-EOC-11S	1Port Ethernet (RJ45) to Coax Converter Slave
CLR-EOC-11MP	1Port PoE Ethernet (RJ45) to Coax Converter Master, PD
CLR-EOC-11SP	1Port PoE Ethernet (RJ45) to Coax Converter Slave, PSE
CLR-EOC-14M	1Port Ethernet (RJ45) to 4*Coax Converter Master
CLR-EOC-18M	1Port Ethernet (RJ45) to 8*Coax Converter Master