

Overview

The LongReach CCTV IP PoE Extender Kit (500112) allows one CCTV PoE IP camera (up to 15.4 Watts) to be connected up to 980 ft (300 m) via a single 75-ohm coax cable in a point-to-point configuration to a PoE LAN switch. If the LAN switch is not PoE, then the 48VDC Power Supply (500113) is required in order to power the PoE camera and the 500112. The maximum distance depends on the grade of coax cable and the power consumption of the camera.

Applications

Campus, highways, airports, hotels, casinos, commercial complexes, remote parking lots, entry gates, self-storage, hospitals, car dealerships, prisons, network connections

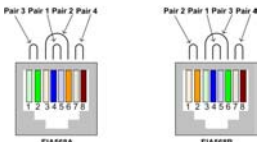
Benefits

Preserve investment in coax infrastructure
Network connections in harsh electrical areas



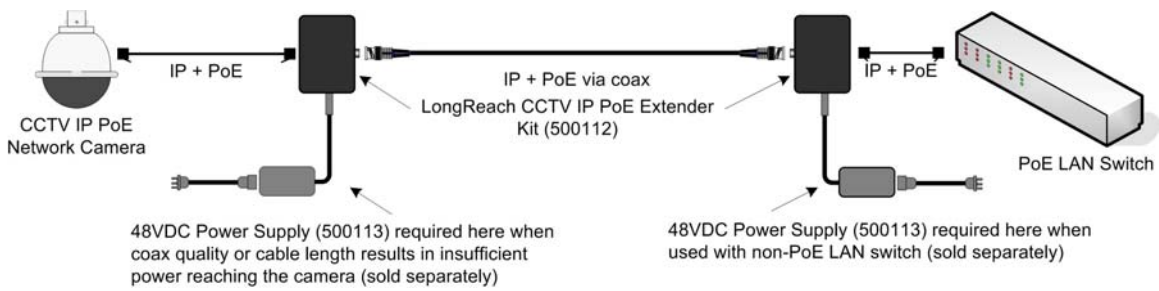
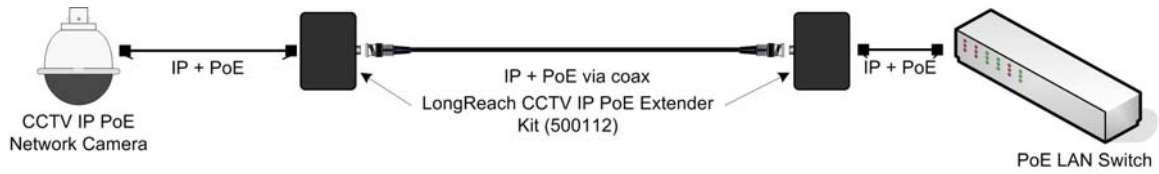
Features

- Supports one IP PoE camera via one coax cable
- Supports CCTV IP PoE cameras up to 15.4W
- Up to 980 ft (300m) via coax @ 100Mbps/15.4W
- Up to 330 ft (100m) on the LAN connection
- LED indicators for power, IP traffic, 100Mbps
- Optional 48VDC power supply (500113)
- Includes wall-mount brackets

Specifications									
Environment	PoE CCTV IP								
Devices	PoE CCTV IP cameras with a 10/100Mb/s Ethernet port, using up to 15.4 Watts.								
Transmission	Transparent to the user								
Standard supported	Ethernet side: IEEE 802.3 10BaseT, IEEE 802.3U 100Base-TX, IEEE 802.3af compatible PoE								
PoE Power	PoE Class 3								
Connectors	One (1) BNC 75 Ohms. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair.								
LED Indicators	Power, IP Traffic, 100Mbps								
Maximum Distance	RG59/RG6: Up to 980 ft (300m) @ 100Mbps UTP Cat 5e/6: Up to 330 ft (100 m) @ 100 Mbps <i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</i>								
RJ45 Pin Configuration	<p>RJ45 Link</p> <table border="0"> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table> <p><i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i></p> 	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)
Pin 1 (R)	Pin 2 (T)								
Pin 3 (R)	Pin 6 (T)								
Pin 4 (R)	Pin 5 (T)								
Pin 7 (R)	Pin 8 (T)								
Cable	UTP/STP: One (1) Cat 5e/6 or better twisted pair cables required RG59/RG6: 75 Ohms (avoid CCS and aluminum foil cable due to DC loss)								
PoE Power Supply (500113)	Optional Power Supply (110-240V/48VDC/.625A, 2.1mm plug) with interchangeable blades (sold separately) <i>Required at the Camera Side Device when coax cable quality or length results in insufficient power reaching the camera. Required at the Network Side Device when used with non-PoE LAN switch.</i>								
Power Consumption	Network Side: 1.82 Watt Camera Side: 1.73 Watt								
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing								
Enclosure	Metal								
Accessories	Wall-mount brackets included								
Dimensions	4.37" x 2.95" x 0.99" (111 x 75 x 25 mm)								
Shipping Weight	500112: 1.5 lb (0.68 kg)								
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0								
Warranty	2 years								
Order Information	500112 LongReach CCTV IP PoE Extender Kit 500113 Power Supply for 500112 (48VDC)								

LongReach CCTV IP PoE Extender Kit 500112

Typical Application



Rear panel (showing wall-mount brackets)