

**Overview**

The LongReach CCTV IP PoE Extender Kit -30W (500112-30W) allows one CCTV PoE IP camera (up to 30 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 a 56VDC Power Supply is required in order to power the PoE camera and the 500112-30W. 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.



**Key Features**

- Supports one IP PoE camera via one coax cable
- Supports CCTV IP PoE cameras up to 30W
- Up to 980 ft (300m) via coax @ 100Mbps/30W
- Up to 330 ft (100m) on the LAN connection
- LED indicators for power, IP traffic, 100Mbps
- Includes wall-mount brackets

Specifications	
<b>Environment</b>	PoE CCTV IP
<b>Devices</b>	PoE CCTV IP cameras with a 10/100Mb/s Ethernet port, using up to 30 Watts.
<b>Transmission</b>	Transparent to the user
<b>Standard supported</b>	Ethernet side: IEEE 802.3 10BaseT, IEEE 802.3U 100Base-TX, IEEE 802.3at compatible PoE
<b>PoE Power</b>	PoE Class 3
<b>Connectors</b>	One (1) BNC 75 Ohms. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair.
<b>LED Indicators</b>	Power, IP Traffic, 100Mbps
<b>Maximum Distance</b>	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>
<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring</i>	<b>RJ45 Link</b> Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
<b>Cable</b>	UTP/STP: One (1) Cat 5e/6 cable (or better) required RG59/RG6: 75 Ohms (avoid CCS and aluminum foil cable due to DC loss)
<b>PoE Power Supply</b>	Optional Power Supply (110-240V/56VDC/40W min., 2.1mm plug) <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>
<b>Power Consumption</b>	Network Side: 1.82 Watt Camera Side: 1.73 Watt
<b>Temperature</b>	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
<b>Enclosure</b>	Metal
<b>Accessories</b>	Wall-mount brackets included
<b>Dimensions</b>	4.37" x 2.95" x 1" in (111 x 75 x 25 mm)
<b>Shipping Weight</b>	1.5 lb (0.68 kg)
<b>Regulatory</b>	FCC, CE, RoHS, WEEE
<b>Warranty</b>	2 years
<b>Order Information</b>	500112-30W - LONGREACH CCTV IP POE EXTENDER KIT – 30W

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## Typical Applications

