Specifications

Devices POE CCTV IP cameras with a 10/100Mb/s Ethernet port, using up to 30 Watts. Transmission Transparent to the user Standard supported Ethernet side: IEEE 802.3 10BaseT, IEEE 802.3 10BaseT, IEEE 802.3 100Base-TX IEEE 802.3 10Base-TX IEEE 802.5 100F IEE 800A100F IEE 800A10F IEE 800A10F IEE 800A10F IEE 800A10F IEE 800A10F IEE 800A							
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vvarranty 2 years	Warranty	2 years					
Order Information 500112-30W CCTV IP PoE Extender Kit, 30W	v	*					



8495 Dalton Road, Mount Royal, Quebec, Canada. H4T 1V5 Tel: (514) 905-0588 Fax: (514) 905-0589 Toll Free (North America): (877) 689-5228 E-mail: <u>videoease@muxlab.com</u> URL: <u>www.muxlab.com</u>







LongReach CCTV IP PoE Extender Kit, 30W 500112-30W Quick Installation Guide

Overview

The LongReach CCTV IP PoE Extender Kit, 30W (500112-30W) allows one IP camera (30 Watts) to be connected up to 980 ft (300 m) via a single 75-ohm coax cable in a point-to-point configuration. The maximum distance depends on the grade and quality of coaxial cable. An optional 48-56VDC (40W) Power Supply can be used if required.

Applications

CCTV IP surveillance

Installation

1. Identify the connectors on the Extenders as indicated on the product labels.



2. Attach the surface-mount brackets if required as shown below.

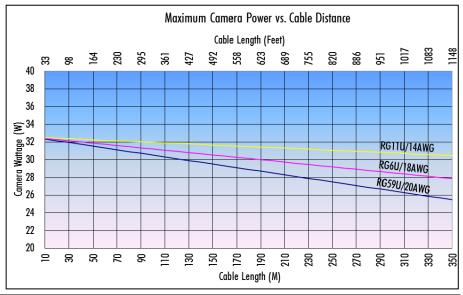


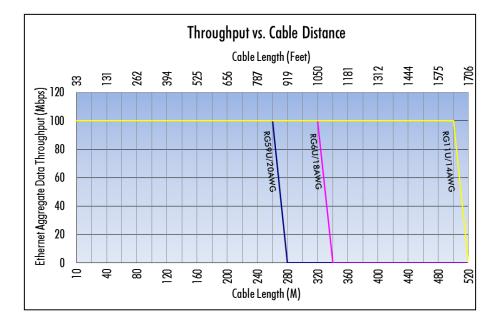
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- 3. Verify that the distance between the CCTV IP PoE extenders is within MuxLab specifications (see Specifications table).
- 4. To install the Network Side Device:
 - 4a. Connect the extender to the PoE Ethernet Switch with a UTP Cable.
 Note: If the Ethernet Switch is not PoE; you will need to connect a 56VDC (40W) Power Supply to the Network Side Device.
 - 4b. Connect one (1) length of RG59 or RG6 coaxial cable to the COAX LINK connector on the Extender.
- 5. To install the Camera Side Device:
 - 5a. Connect the extender to the camera with a Cat5e/6 cable.
 Note: If the quality or length of the coaxial cable reduces the power to a level that is insufficient to power the camera, you will need to connect a 48-56VDC (40W) Power Supply to the Camera Side device.
 - 5b. Connect one (1) length of RG59 or RG6 coaxial cable to the COAX LINK connector on the Extender.
- 6. Power on the equipment and verify the image quality. The following is a diagram of a typical configuration.



Tables





Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in respect to the installation of the LongReach CCTV IP PoE Extender Kit, 30W:

Symptom	Network Side LEDs		Camera Side LEDs		Probable Cause	Possible Solutions
	Power	IP Traffic	Power	IP Traffic		
No Image	OFF	OFF	OFF	OFF	No power	Check if the Ethernet switch is PoE.Check the power connection.
No Image	ON	OFF	OFF	OFF	Coaxial Cable	• Check the coaxial cables.
No Image	ON	OFF	OFF	OFF	Distance	 Check the coaxial cables length and quality.
No Image	ON	OFF	ON	OFF	UTP Cable	• Check the UTP Cable pin out.
No Image	ON	ON	ON	ON	No Traffic	Check network configuration.
Choppy Image	ON	BLINK	ON	BLINK	Distance	 Check cable length Check the coaxial cable quality.

If you still cannot diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).