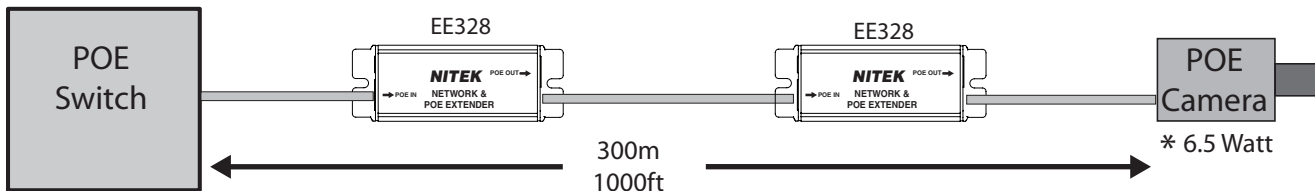
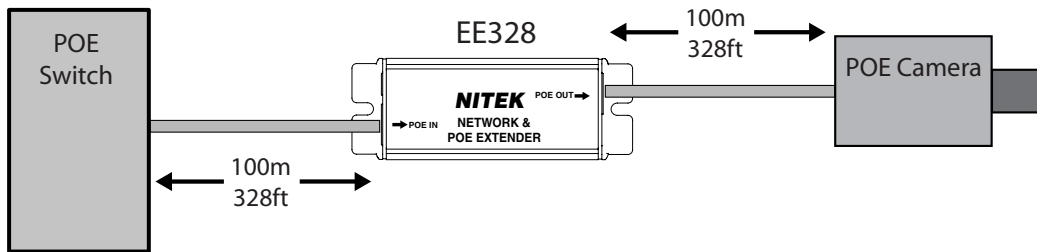


**Introduction**

The EE328 Ethernet & POE Extender is designed to greatly extend the distances to which IP cameras and network devices can operate. The EE328 regenerates network communication and passes POE power through itself and on down the network cable. When used with an optional 48VDC power supply the EE328 can operate as a fully independent repeater and IEEE802.3af POE inserter. If needed, several EE328 units can be used in series to extend a network communication and POE.

**Install EE328 with a POE Source Switch and IP Cameras**

Refer to the diagram below when installing. Use best industry practices and follow all local building codes. When installing with a POE source, insert the EE328 at a distance of 100 meters or less from the network switch. The cable leaving the EE328 and going to the next device in the chain must be 100 meters or less to insure proper operation. Several EE328 units can be used in series to extend the network communication.



LED INDICATORS				
Connector	LED	OFF	ON	FLASHING
POE IN	Power	No power	Power Good	Power Marginal
	Receive Link Activity	No Ethernet Link	Ethernet Link Good	Network Active
POE OUT	POE Out Powered	No Power or Power Error	POE Out Enabled	No POE Device Connected
	Transmit Link Activity	No Ethernet Link	Ethernet Link Good	Network Active

<b>NITEK</b> <sup>®</sup>	USA	5410 Newport Drive, # 24 Rolling Meadows, IL 60008 Phone: (847) 259-8900 Fax: (847) 259-1300 E-mail: info@nitek.net WWW.NITEK.NET	EUROPE	De Schans 19-21 2a 8231 KA Lelystad Tel: +31(0)320-2300005 Fax: +31(0)320-282186 E-mail: info@nitek.nl WWW.NITEK.NL

## Install EE328 without POE source device.

Refer to the diagram below when installing. Use best industry practices and follow all local building codes. When installing without a POE source device, insert the EE328 at a distance of 100 meters or less from the network switch. The cable leaving the EE328 and going to the next device in the chain must be 100 meters or less to insure proper operation. The **first EE328** unit in the chain must be powered with an optional 48VDC power supply. Also note that more than one 48VDC power supply may be used in a long chain of units. The advantage to an additional supply at the end of the chain is to increase the POE voltage/wattage available for POE equipment connected to your cable.

