Model **EL1500C** *(for use with Coaxial cable)* *Includes one ER1500C Receiver* *and one ET1543C Transmitter*	**Installation and Operation Manual**

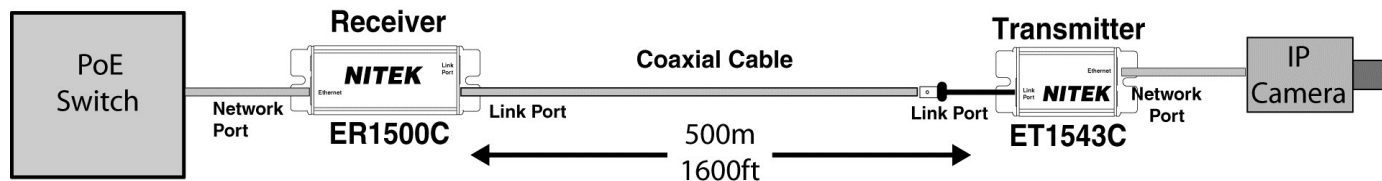| ⚠	**Reduce risk of fire or electrical shock. Do not expose this product to rain or moisture.**	**Note: This installation should be made by a qualified service person and conform with local codes.**

Introduction

The EL1500 is a system for extending Ethernet & PoE. The EL1500 can be used on new or existing cable and is designed to greatly extend the distances to which IP cameras and network devices can operate. In addition to network communication the EL1500 is ideal for PoE applications. It allows all power to flow from the head end for most camera applications. In unique cases where high power PoE is needed it can inject up to 25 watts of power at the transmitter end.

TYPE 1 Installation
EL1500 with a PoE Source Switch and IP Cameras

One common installation involves using the ER1500 Receiver to power both the remote transmitter and PoE camera. The ER1500 can be powered by a PoE switch. Refer to the diagram below when installing. Refer to the PoE power chart below to determine maximum range for a PoE camera.

PoE Device Power RG59 Coax with 20AWG Center*	
Distance	**Power at PoE Port**
328ft/100m	15.4 watts
656ft/200m	13.0 watts
984ft/300m	11.3 watts
1312ft/400m	9.3 watts
1640ft/500m	8.0 watts

*Results with 48VDC power to the Receiver optional Power Port and using RG59 SBC Type Cable

LED INDICATORS				
Connector	**LED**	**OFF**	**ON**	**FLASHING**
Network Port	Power	No power	Power Good	
	Link Status	No Ethernet Link	Ethernet Link Good	
Link Port	PoE Out	No PoE Power Out	PoE Power Good	
	10/100	No Link	100Mb	10Mb

Patent Pending USA and Europe
Euro Pat App 2779641

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IEC/UL 60950-1

TYPE 2 Installation
Install EL1500 with 48VDC External Power Supply

Refer to the diagram below when installing. When installing without a PoE source device, the ER1500 can be powered directly. The ER1500 will provide power for both the transmitter and PoE camera. Refer to the PoE power chart on page 1 to determine maximum range for a PoE camera.