

Model ET4500U

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 ET4500U is a four channel transmitter designed for use with either the ER1500U, ER8500U or the ER16500U receivers. Please refer to the EL4500U, ER8500U or ER16500U manual for installation and operation related to those receiver units.

ET4500U Transmitter Installation

The ET4500U can be powered from the PoE out of the Head-end unit, but is not designed to power PoE devices at the transmitter side without an external power supply at the ET4500U. The recommended method of powering the transmitter is to directly power the unit with a 48Vdc power supply (Nitek# PS48), as shown on the next page. This can provide 45 watts of power for the ET4500C and 4 devices. At the camera location securely mount the transmitter unit.

Find the network/category cable from the head-end and make sure it is properly terminated RJ45 wired for 458B. Connect the network cable to the Link Port of the transmitter. If the head-end unit is powered up it will sense the connection to the transmitter unit and turn on the power. This will be indicated by the green "Link Port" Power LED. After about 15 to 30 seconds the green 10/100 LED at the "Link Port" will turn-on to tell you that the head-end has connected with the transmitter unit. The Ethernet devices do not need to be connected for the transmitter to communicate with the head-end.

Finally, connect the IP Camera or an Ethernet device to one of the transmitter "IP Port" port's. If the device requires PoE power, at the "IP Port", the PoE Out LED will turn on followed by the 10/100 LED. The Transmitter is capable of four channels of PoE output power providing that an external power supply with a minimum of 48Watts is used. If the devices require more than a combined output of 48Watts, then a larger external power supply will be required.

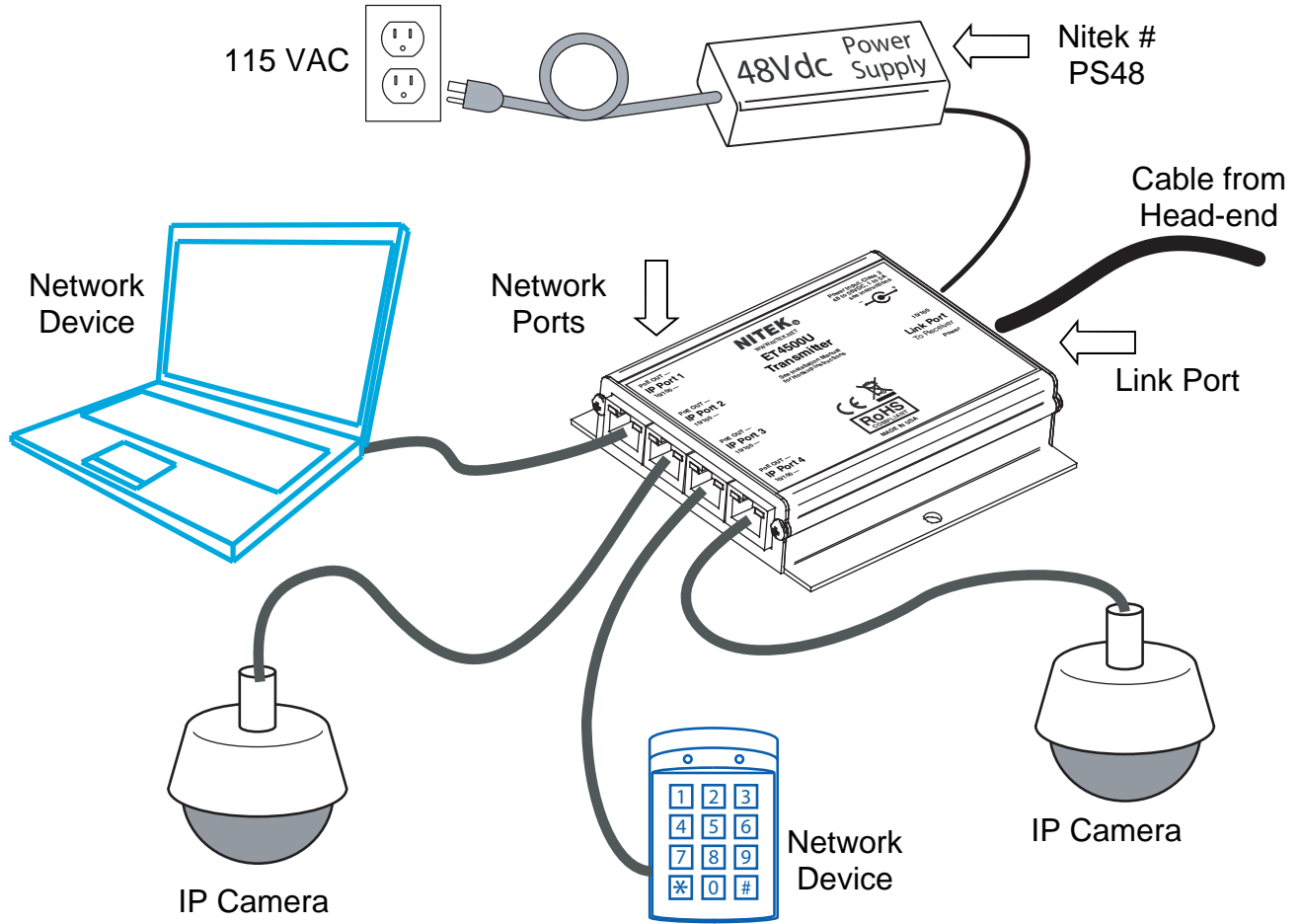
Continue installing the remaining devices to the transmitter as needed. The IP camera or other Ethernet devices should now be ready to operate.

Patent Pending



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48VDC Powered Transmitter Hookup Diagram



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