

### INTRODUCTION

The M30-022-91 is a rugged Gigabit Media Converter designed for critical and space-limited outdoor applications. Designed for IP surveillance, traffic monitoring, and security applications in critical environments, the converter can deliver a 90W output on Ethernet port. The power input support 48-56VDC, and an operating temperature ranging from -40°C to 75°C.

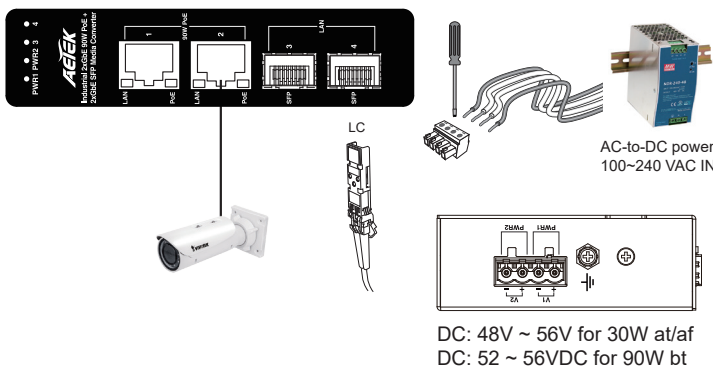
### PACKAGE CONTENTS

* 1x PoE Media Converter	* 1x Quick Installation Guide
* 1x 4-pin terminal block	* 1x DIN rail bracket

### ⚠ IMPORTANT:

1. Install the converter in a ventilated and dry place that is free of electromagnetic source, vibration, moisture, and dust.
2. Make sure the ventilation openings on the converter are not blocked.
3. Use fiber optic cables and transceiver compliant with the following: Multi-mode: 50/125um, 62.5/125um, 850/1310nm; Single-mode: 9/125um, 1310/1550nm.
4. DC input: 48V~56VDC. for 30W 802.3 at/af. DC Input:52~56VDC for 90W bt.  
Follow the printed polarity for V+, V-, and Ground.  
at/af : 48~56V, bt/PoH : 52~56VDC

### CONNECTION



1. Pull out the 4-pin terminal block.
2. Connect wires to V+ and Ground.
3. Connect an SFP transceiver to the fiber port.
4. install the 4-pin terminal block. You can connect redundant power line pairs for fault tolerance.

Solid or stranded (AWG): 12-24/14-22.  
Wire strip length: 7-8mm  
Torque: 5lb-In/0.5Nm/0.56Nm.

DC: 48V ~ 56V for 30W at/af  
DC: 52 ~ 56VDC for 90W bt

- WARNING** - Always ground the power source to maintain a clean power input.  
- Always shut off power source before connecting power wires.

### LED DEFINITIONS

<b>POWER PW1/PW2</b>	Green ON	Power is on and normal.
<b>SFP Port Green</b>	Green ON	Fiber is attached.
	Green Flashing	Data is being transmitted / received.
<b>LAN port Green</b>	Green ON	TX link is detected.
	Green Flashing	Data is being transmitted or received.
<b>PoE port Amber</b>	Amber ON	PSE is activated and PD is detected.
	Amber OFF	PoE OFF