

# Vi22701U

## 90W, 2.5G PoE Splitter, 12/16/24/48VDC Installation Manual

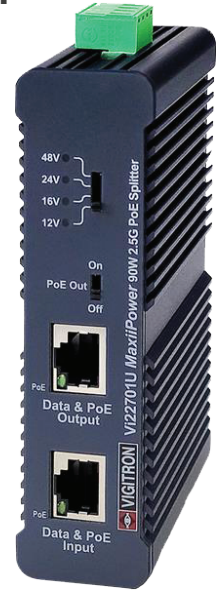
MaxiiPower™

The Vi22701U is a 2.5G Power-over-Ethernet (PoE) splitter designed for hybrid network architectures requiring simultaneous PoE data delivery and regulated DC power output. The unit provides PoE on the data output port while supplying 12/16/24/48VDC (up to 70W) to auxiliary devices, enabling support for mixed PoE and non-PoE loads from a single PoE input.

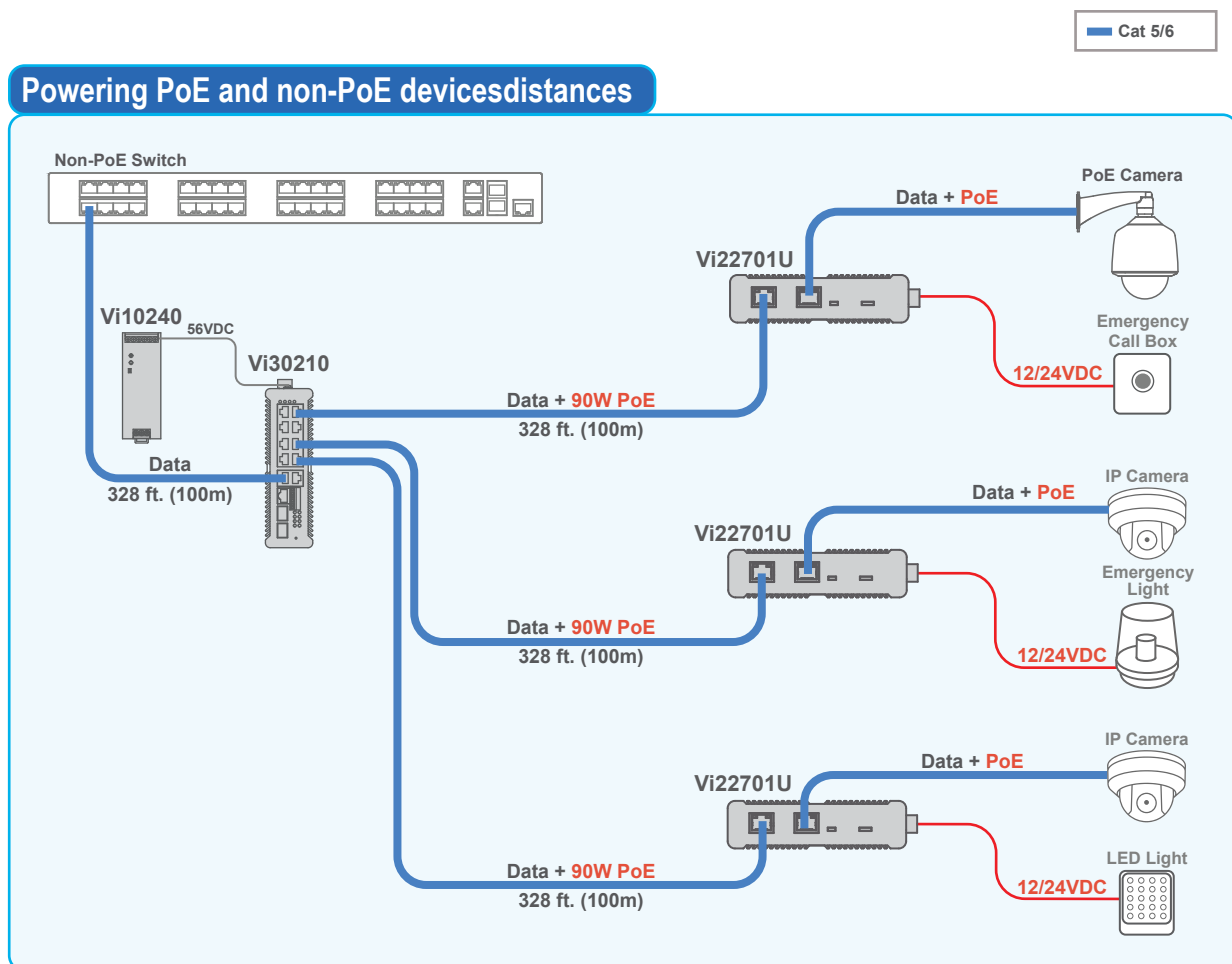
The Vi22701U is compatible with IEEE 802.3af/at/bt high-power PoE sources up to 90W, while maintaining full Ethernet data transparency. A side-mounted voltage selector switch allows installers to configure the unit for 12/16/24/48VDC output, ensuring proper power budgeting based on upstream PoE source capability and connected load requirements.

The Vi22701U is engineered for deployment in extended-temperature environments and is suitable for both indoor and outdoor installations. It is particularly effective in applications such as IP PTZ dome cameras, where PoE is used for network connectivity and primary camera power while regulated DC output supplies auxiliary subsystems including heaters, blowers, or IR illuminators.

The Vi22701U enables efficient power distribution, reduces the need for local power supplies, and simplifies cabling in security, public safety, transportation, and industrial network deployments.



## Application Drawing



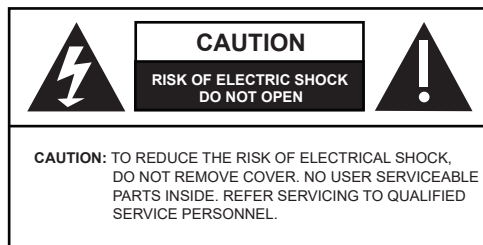
The Vi22701U can power a wide range of PoE devices while providing 12/16/24 or 48VDC to non-PoE devices.



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## Important Safety Warning

- Read these instructions.
- Keep these instructions.
- Follow all instructions.
- Heed all warnings.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Install in accordance with the manufacturer's instructions.
- This installation should be made by a qualified service person and should conform to all local codes.
- DO NOT bundle UTP or Coax signals in the same conduit as high-voltage wiring.
- To reduce the risk of fire or electrical shock, do not expose these products to rain, moisture, dripping or splashing.
- No objects filled with liquids, such as vases, shall be placed on Vigitron equipment.
- DO NOT install the unit in a place where the operating ambient temperature exceeds 70° C.
- Make sure that the external power supply output voltage is in the recommended range.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including NVRs) that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as a power supply cord or plug is damaged, liquid has been spilled, or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The mains plug is used as the disconnect device and shall remain readily operable.



**⚠ WARNING!** - To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. This apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases should be placed on the apparatus.

**⚠ WARNING!** - This apparatus is a Class I product. This product must be connected to a mains socket outlet thru a PoE source device.

**⚠ WARNING!** - The RJ45 Jack is used as the disconnect device and should remain readily operable.

## IP Camera-end Installation

- Use the DC output slide switch to select 12 / 16 / 24 / 48 VDC to power a non-PoE device. Ensure correct polarity.
- To enable both PoE output and DC output, set the PoE switch to "ON".
- Connect a standard Cat5e/6 cable (up to 100 m) from a PoE switch or midspan to the Vi22701U DATA+PoE input port.
- Connect a second Cat5e/6 cable from the DATA+PoE output port of the Vi22701U to a PoE IP device (e.g., camera) or a non-PoE IP device.

## Ethernet Switch/Midspan-end Installation

- The other end of the Cat5e/6 cable must be connected to a port on a PoE switch or midspan. The PoE source must provide sufficient power for both the Vi22701U and the connected PoE device.

# Technical Specifications\*

## Electrical

Ethernet Interface	Standard 10/100/1000Base T
Power Consumption	Based on input power
Power Input	PoE IEEE 802.3af/at/bt up to 90W
Power Output	12/16/24/48 VDC (up to 70W) Total power will depend on a combination of PoE and DC power required
Connections	Input Data + PoE: RJ45 Output Data + PoE: RJ45 Power Out: Push Connector
Status LEDs	PoE Input: Orange PoE Output: Orange 12/16/24/48 Output Available: Green
Data Interfaces and Compliances	RFC 768 UDP, RFC 2068 HTTP RFC 793 TCP, RFC 791 IP RFC 1783 TFTP, RFC 894 IP over Ethernet RFC 2544 TCP/IP Packet Transmission
PoE Compatibility	IEEE 802.3af/at/bt up to 90W
DC Output Side Switch	12/16/24/48

## Regulatory

Safety	CE
Environmental	RoHS, WEEE

## Environmental

Humidity	0% to 90%, Non-condensing
Temperature	Operating: -40°C to +70°C Storage: -50°C to +85°C

## Mechanical

Dimensions	1.36x4.8x3.3 in., 34.5x12.2x8.4 cm (HxWxL)
Weight	0.78 lb, 350 g
Material	Extruded Aluminum

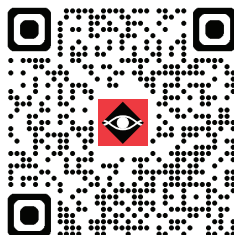
## Accessories

DIN Rail Adapter
Wall/Desk Mount adapter

\*Specifications subject to change without notice.

## Limited Lifetime Warranty

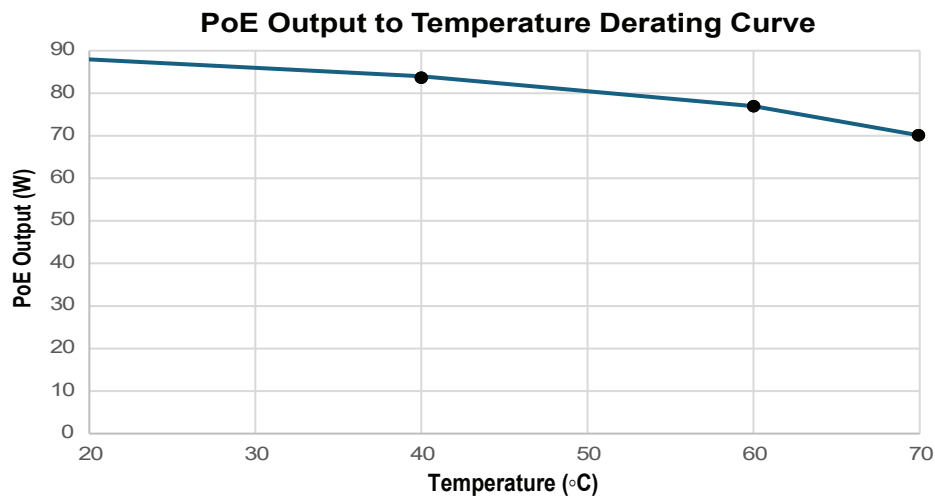
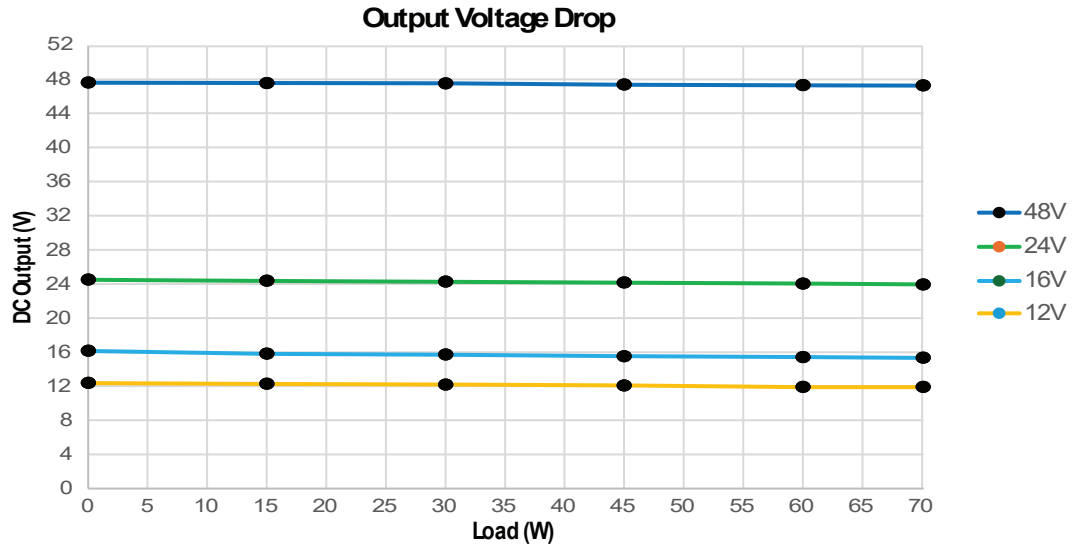
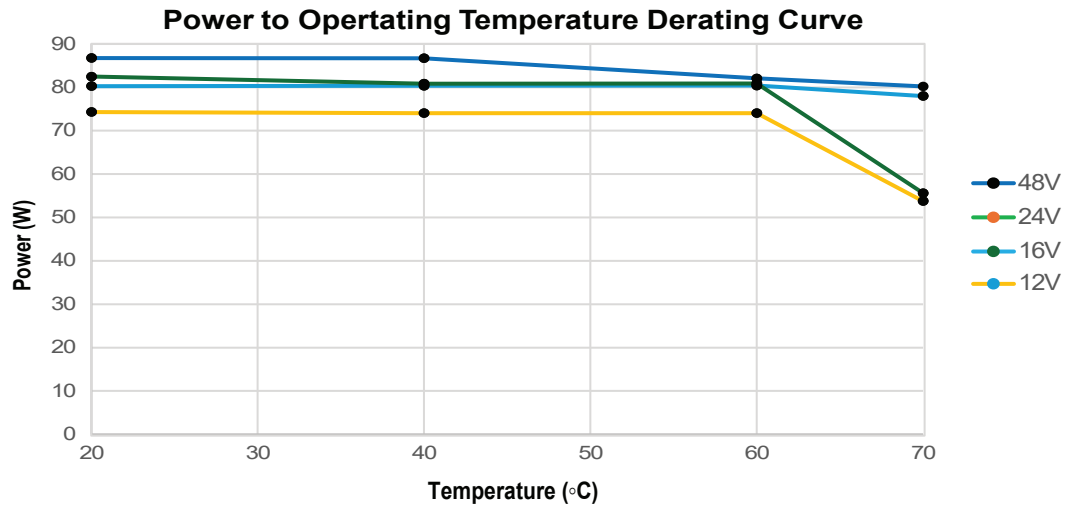
Scan the following QR code to view Vigitron's Warranty Policy on our website.



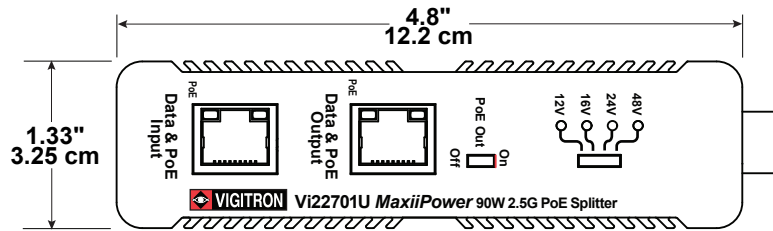
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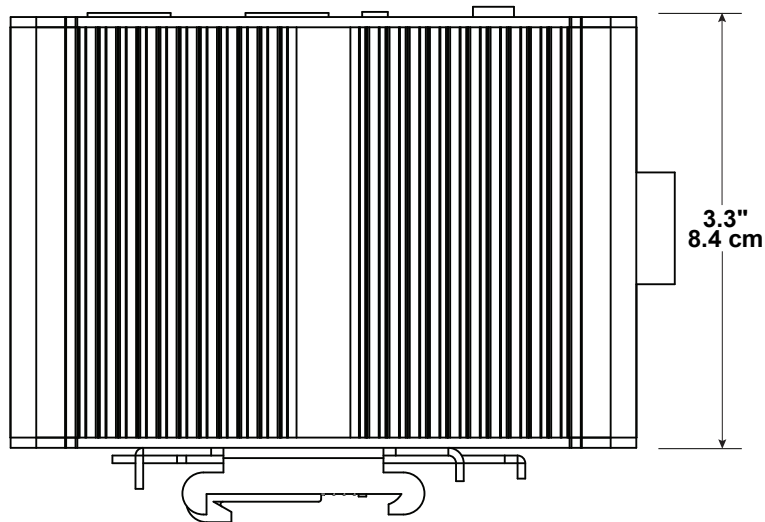
# Technical Specifications\*



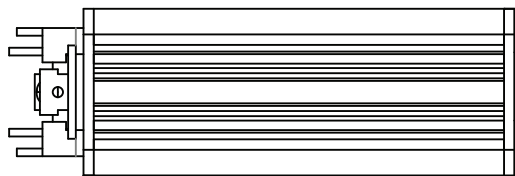
# Mechanical Drawings



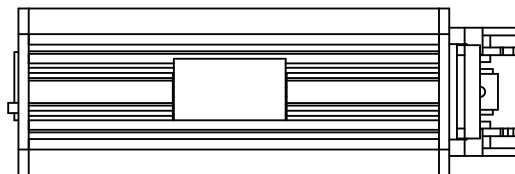
Front View



Top View



Left View



Right View