**INVITATION FOR BID (IFB) No. PAG-013-022**
**ACQUISITION OF RADAR INTRUSION/ VESSEL MONITORING SYSTEMS & COMPONENTS BID**

# ADDENDUM No. 3
**October 13, 2022**

**ALL BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON AREA PROVIDED BELOW AND RETURN COPY TO PAG PROCUREMENT OFFICE: Fax: (671) 472-1439 or Email: Annie L.G. Sablan algsablan@portofguam.com, djcalvo@portofguam.com, Mark Cabrera macabrera@portofguam.com, and pagprocurement@portofguam.com.**

**NOTICE TO BIDDERS: The IFB documents of the above-referenced project are hereby AMENDED TO INCLUDE the following as part of IFB documents:**

## 1. Questions and Responses

*** * * END OF ADDENDUM No. 3, ALL OTHERS REMAIN THE SAME * * ***

Issued by:

**RORY J. RESPICIO**
GENERAL MANAGER

**Acknowledgment Receipt**

**COMPANY NAME:** _____

**AUTHORIZED SIGNATURE:** _____

**PRINT NAME:** _____

**DATE / TIME** _____ / _____

Questions submitted by G4S on October 10, 2022

1. Could PAG supply data and/or spec sheets for the components pictured on page 3?

   Response: Refer to Addendum No. 3 attachment

2. Is 120 volts AC available at the base of high mast 1?

   Response: Yes

3. If necessary, can the bidder upgrade the components (pictured on page 3) in order to transport the video & data signals from the new camera to

   Response: Since this is a new system, new connectivity should be installed between the new camera and the existing fiber in the panel at the foot of the high mast light

4. Are all fiber strands terminated and ready for use in the Corning fiber panel (pictured on page 3)?

   Response: Yes

   We request a bid extension of one (1) week to allow for further engineering of the High Mast Camera installation and signal transport after receiving the requested data and/or spec sheets.

   Response: Refer to Amendment No. 3

Request submitted by Calpac on October 12, 2022

California Pacific Technical Services LLC is hereby submitting a Bid extension request for the above-referenced RFP from current due date of 14th OCT 2022 to 28th OCT 2022. This will allow CalPac to prepare and submit a reasonable and very competitive price offer for this RFP.

Response: Refer to Amendment No. 3

**Specification Sheet in Reference to Line Item #1:**

## Electrical

### Output:

| | |
|---|---|
| Output Power | 480W, 48-56VDC (Adjustable) @ 10A Max. |
| Ripple and Noise | ≤480mV at 0~70°C<br>≤480mV at -25°C |
| Voltage Accuracy | ±3.0% |
| Line Regulation | ±0.5% |
| Load Regulation | ±1.0% |
| Set-up Time | <3S@230VAC |
| Hold up Time | ≥20mS (230VAC input, Full load) |
| Temperature Coefficient | ±0.03%/°C |
| Overshoot / Undershoot | <5.0% |

### Input:

| | |
|---|---|
| Voltage Range | 85VAC~264VAC, 130VDC-350VDC |
| Frequency Range | 47Hz~63Hz |
| Power Factor | 0.99/110VAC, 0.95/230VAC |
| Efficiency | 93.8% |
| AC Current | <7.0 A/100VAC, <3.5A/230VAC (max.) |
| Inrush Current | <20A/110VAC, <40A/230VAC, Cold start |
| Leakage | Input-Output: <0.25mA, Input-PG:<3.5mA |

### Protection:

| | |
|---|---|
| Over Load | 110%~150% of rated current, Auto recovery |
| Over voltage | 58~63VDC, constant voltage, Auto recovery |
| Over temperature | 115±5°C , shut down O/P, Auto recovery |
| Short Circuit | Long-term mode, Auto recovery |
| DC-OK LED | On: when output is up to 90% of rated output voltage<br>Off: when output is down to 80% of rated output voltage |
| DC-OK Relay | Max 30V/1A or 60V/0.3A or 30Vac/0.3A, Resistive load |

## Regulatory

| | |
|---|---|
| Safety | UL508, UL60950, EN60950, CE |
| EMC Emission | EN55022, EN55024, FCC PART 15 Class B |
| EMC Immunity | EN61000-4-2,3,4,5,6,8,11; heavy industry level |
| Environmental | RoHS, WEEE |

## Environmental

| | |
|---|---|
| Humidity | Operating: 20 to 90%, non-condensing<br>Storage: 5 to 95%, non-condensing |
| Temperature | Operating: -25°C to +70°C<br>Storage: -40°C to +85°C |

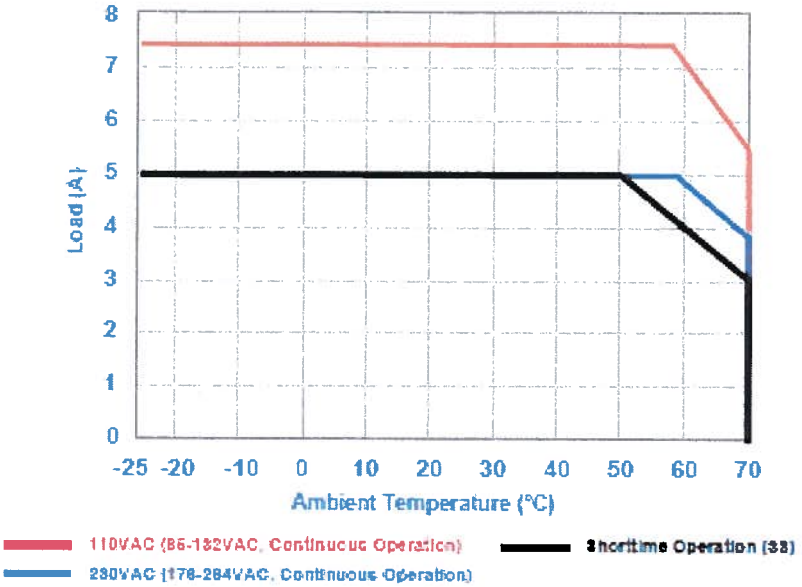
## Mechanical

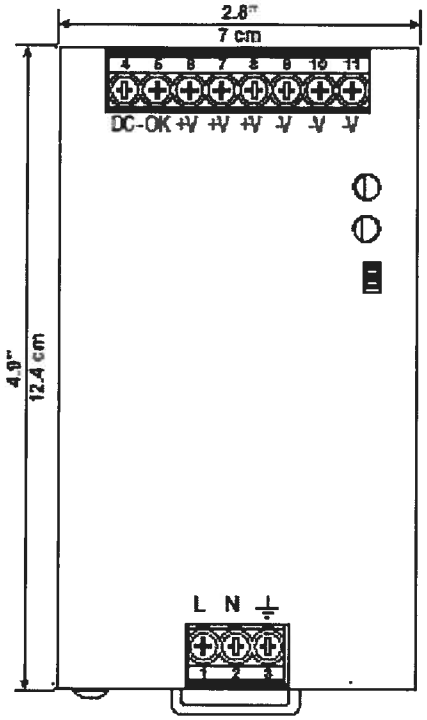
| | |
|---|---|
| Dimensions | 5x2.8x4.9in, 127x70x124mm (LxWxH) |
| Weight | 2.54 lbs (1.15Kg) |
| Material | Sheet Metal |

## Ordering Information

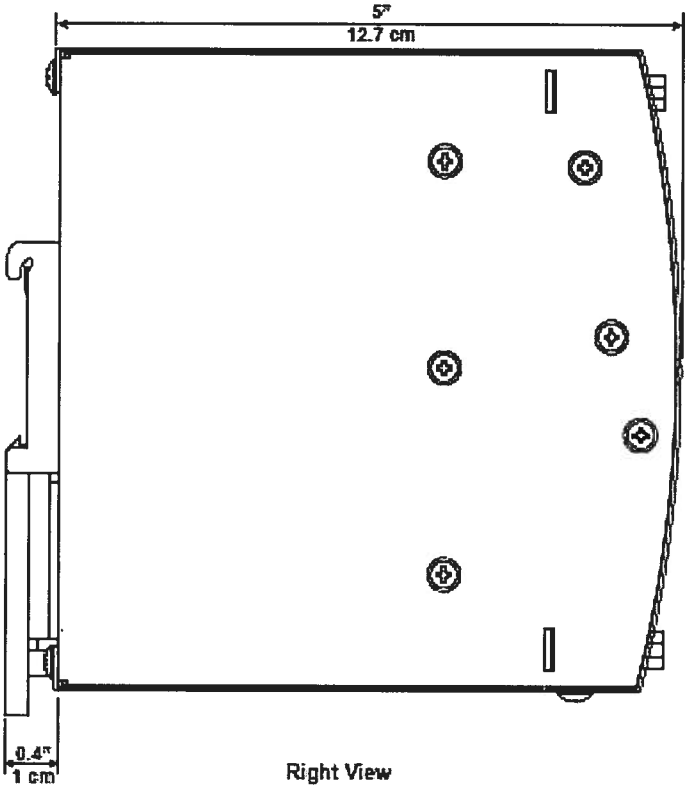
| Part No. | Description |
|---|---|
| Vr10480 | DIN Rail 480W Power Supply |

## De-Rating Chart

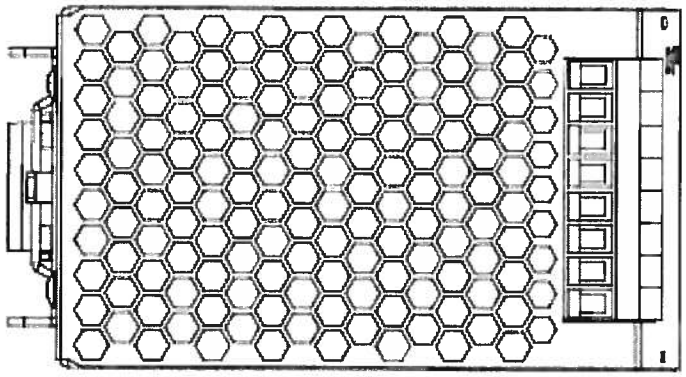





Left View

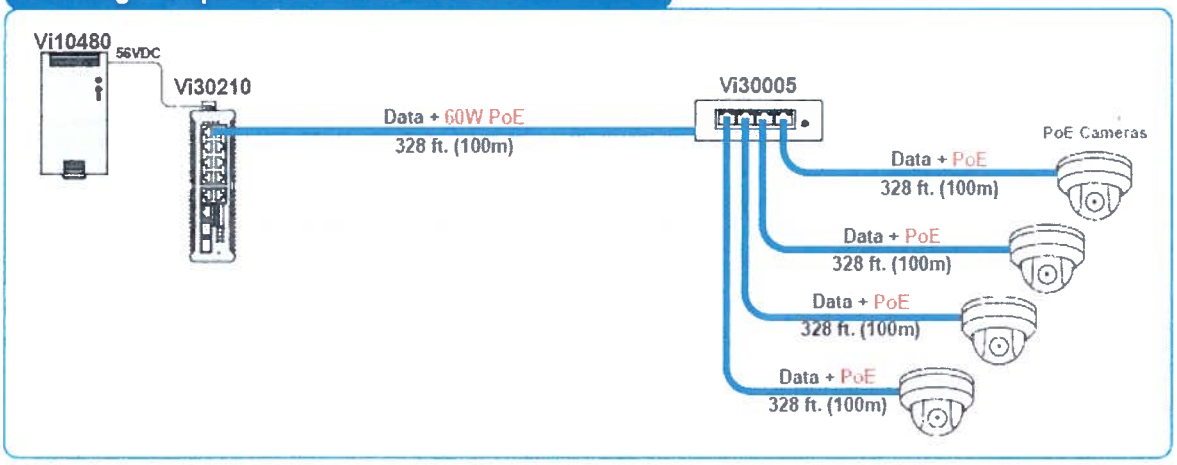



Right View



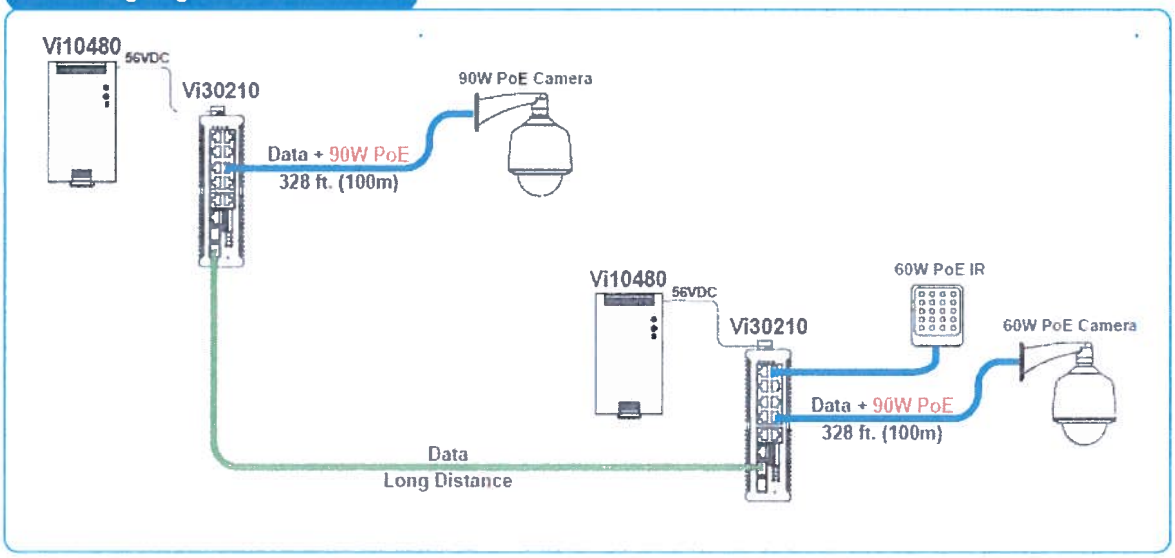
Top View

## Powering Multiple Remote PoE Cameras




*The Vi10480 can be used to power a local PoE switch, a remote PoE powered PoE switch and multiple connected PoE cameras*

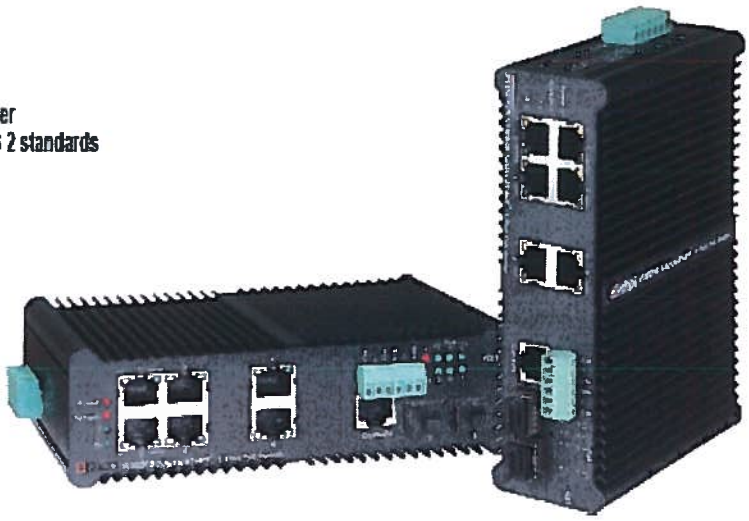
## Powering High PoE Switches




*Multiple Vi10480s can be used in a wide variety to power High power cameras and IR illuminators*

## Features

- 4+2+2 ports with 10/100/1000/2500Mbps** data rate
- Jumbo frame programing at all bandwidth settings
- 90W 802.3bt PoE compliant ports w/ 495W total input power
- Operating temperature range -40°C to +70°C per NEMA-TS 2 standards
- Tested for critical transportation and traffic applications
- G.8032 V1/V2 Rapid Ring protocol compliant
- Dual Copper uplink ports with programmable PoE plus
- Dual independent fiber Uplink ports
- Over current protection w/6kv built in surge protection
- 20Gb switch fabric for highest MP camera handling
- NTP and Real Time Clock (RTC)
- Dual power input for back up power supply
- Dual programmable Form C alarm outputs
- Din Rail and Desktop mounting
- Programmable Port Temperature monitoring
- Detailed Syslog with Health status messaging



## Applications

- Transit vehicles and stations
- On board vehicles
- Highways
- Parking lots, Garages
- Loading docks

## Description

Vigitron's Vi30208 sets a new standard for Industrial Network Switches (INS) with the ability to independently program data for fiber and copper ports and PoE for copper ports providing flexibility in meeting application requirements for 6 independent PoE ports. The Vi30208 operates in temperatures ranging from -40°C to +70°C and able to monitor and report individual port temperature.

The Vi30208 accepts DC power up to 495W provides IEEE 802.3bt compliant 90W PoE power on all 6 copper ports for up to a maximum total power of 480W that enables it to power the most demanding PoE applications for PTZ domes, LED lighting and wireless products. Up to six ports can be programmed to provide PoE for maximum installation flexibility.

The Vi30208 is tested for critical transportation and traffic applications. It's intelligent PoE management allocates the maximum power priority starting from port 1. Dual copper and fiber uplinks enable drop and insert for Ring Network configurations to be used for roads and perimeter security applications. Dual copper and fiber uplinks enable drop and insert for Ring Network configurations for roads and perimeter security applications.

The Vi30208 is uniquely designed for outdoor enclosure applications with, a ribbed temperature disbursement chassis, 6KV surge protection and user programmable port thermal protection of over temperature shut down to prevent damage to the Vi30208 from excessive heat.

The Vi30208 is an ideal solution for a wide veraiety of projects specially for IDF to MDF applications.

## Electrical

| | |
|---|---|
| Ethernet Interface | Standard: 10/100/1000BaseT<br>Uplink: 100/1000/2500*BaseT- SFP |
| Data Ports | 6 Copper ports, 2 MSA Fiber Combo ports |
| Packet Size | 9600@ 100Mbps/1000Mbps/2500Mbps |
| Bandwidth Sensing | MDI/MDIX |
| Switch Fabric | 20GB |
| Surge Protection | 6KV |
| Power Source | 48-57VDC |
| Input Power | 495W Maximum |
| PoE Output | 802.3af/at/bt complaint, 90W Max.per port |
| PoE Budget | 480W |
| Power Consumption | 12.3W |
| Status LEDs | Power : Red LED<br>System : Red LED<br>Link/Activity: Green LED<br>Data rate : Orange LED (ON for 1G)<br>PoE : Green Active<br>Fiber Link : Green LED<br>Alarm: Red Flashing |
| Connectors | Standard Ethernet : 6 x RJ-45 Connectors<br>Console : 1 x RJ45<br>Fiber Optics : 2 x MSA compliant SFP Connector<br>Power : Detachable terminal blocks<br>Alarm Output : 6-pin Terminal block |
| RFC | 2544 TCP/IP Packet Transmission<br>768 UDP, 2068 HTTP, 793 TCP<br>791 IP, 1783 TFTP, 894 IP over Ethernet |
| PoE Compatibility | IEEE 802.3af/at/bt |

## Regulatory

| | |
|---|---|
| FCC<br>Emmissions | Part 15, Subpart B, Class B 2010<br>EN 5502:2006+A1:2007<br>EN 61000-3<br>EN55032<br>EN55035<br>EN50121<br>EN50155<br>2:2006+A1:2009+A2:2009 |
| Safety | CE<br>EN 62368 (Replacing EN60950-1) |
| Environmental | RoHS<br>IEC60068-2-32 (Free Fall)<br>IEC60068-2-27 (Shock)<br>IEC60068-2-6 (Vibration)<br>WEEE, Article 11 – Anex V Directive 2012 2012/19/EU |

## Environmental

| | |
|---|---|
| Temperature | Operating: -40°C to +70°C (at 240W PoE Output)<br>-40°C to +55°C (at 480W PoE Output)<br>Storage: -40°C to +85°C |
| Humidity | 0 to 95%, non-condensing |

## Mechanical

| | |
|---|---|
| Dimensions | 2x6.6x4.4 in., 5x16.8x11 cm (HxWxL) |
| Weight | 1.9 lb, 862 g |
| Mounting | Desktop, DIN Rail |
| Material | Aluminum |

## Accessories

DIN Rail Adapter
Desk Mount Brackets

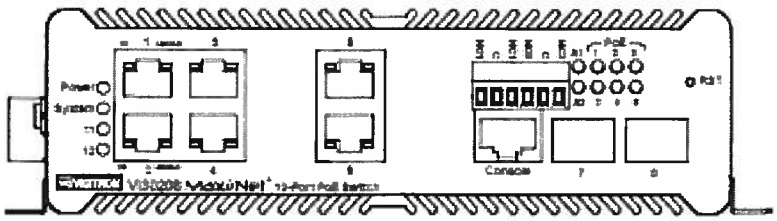
## Optional Accessories

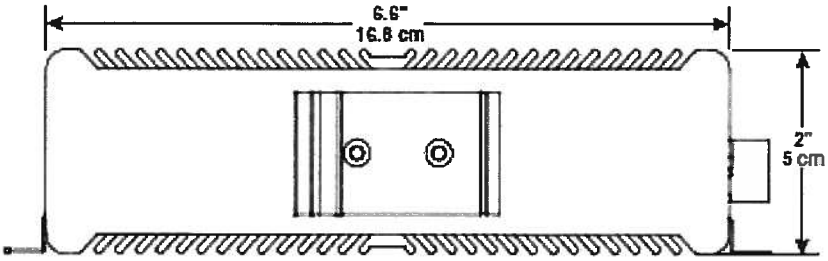
| | |
|---|---|
| Vi1120 | 120W/56VDC Desktop Power Supply |
| Vi10120 | 120W/56VDC DIN Rail Power Supply |
| Vi10240 | 240W/56VDC DIN Rail Power Supply |
| Vi10480 | 480W/56VDC DIN Rail Power Supply |

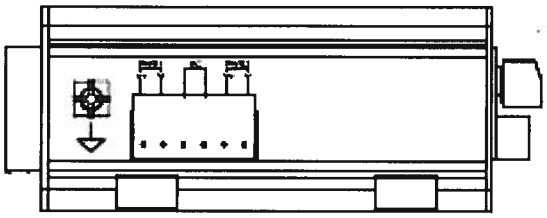
* Specifications subject to change without notice.

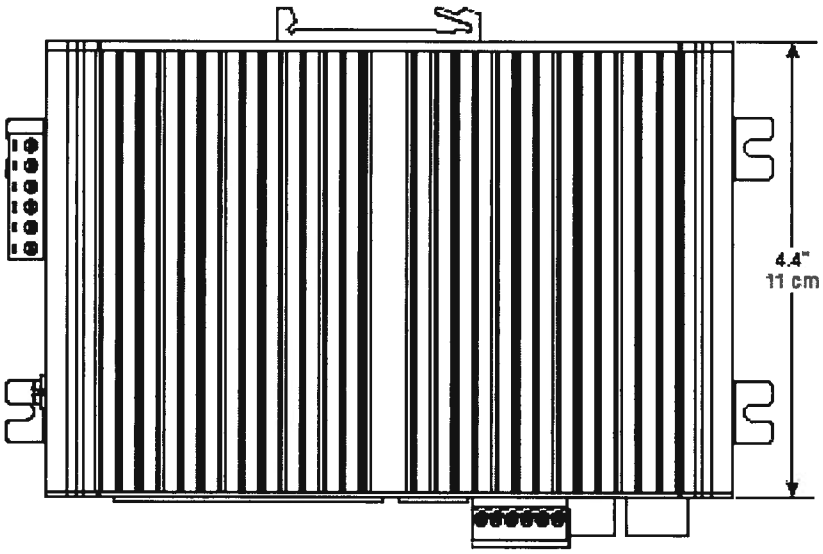
## Ordering Information

| Part No. | Description |
|---|---|
| Vi30208 | Hardened 4+2+2 Port, 90W PoE IndustrialRing Switch |

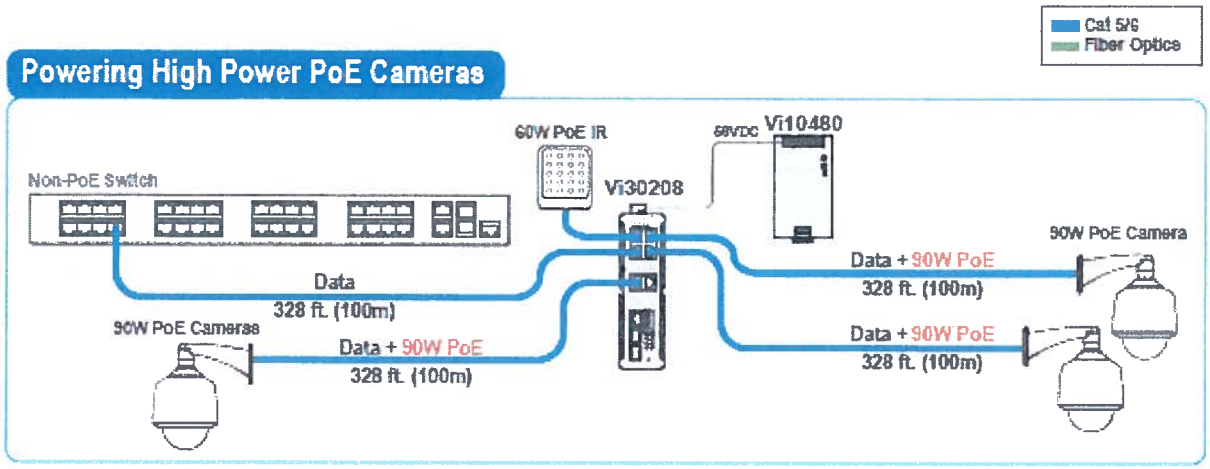



6.6"
16.8 cm
2"
5 cm



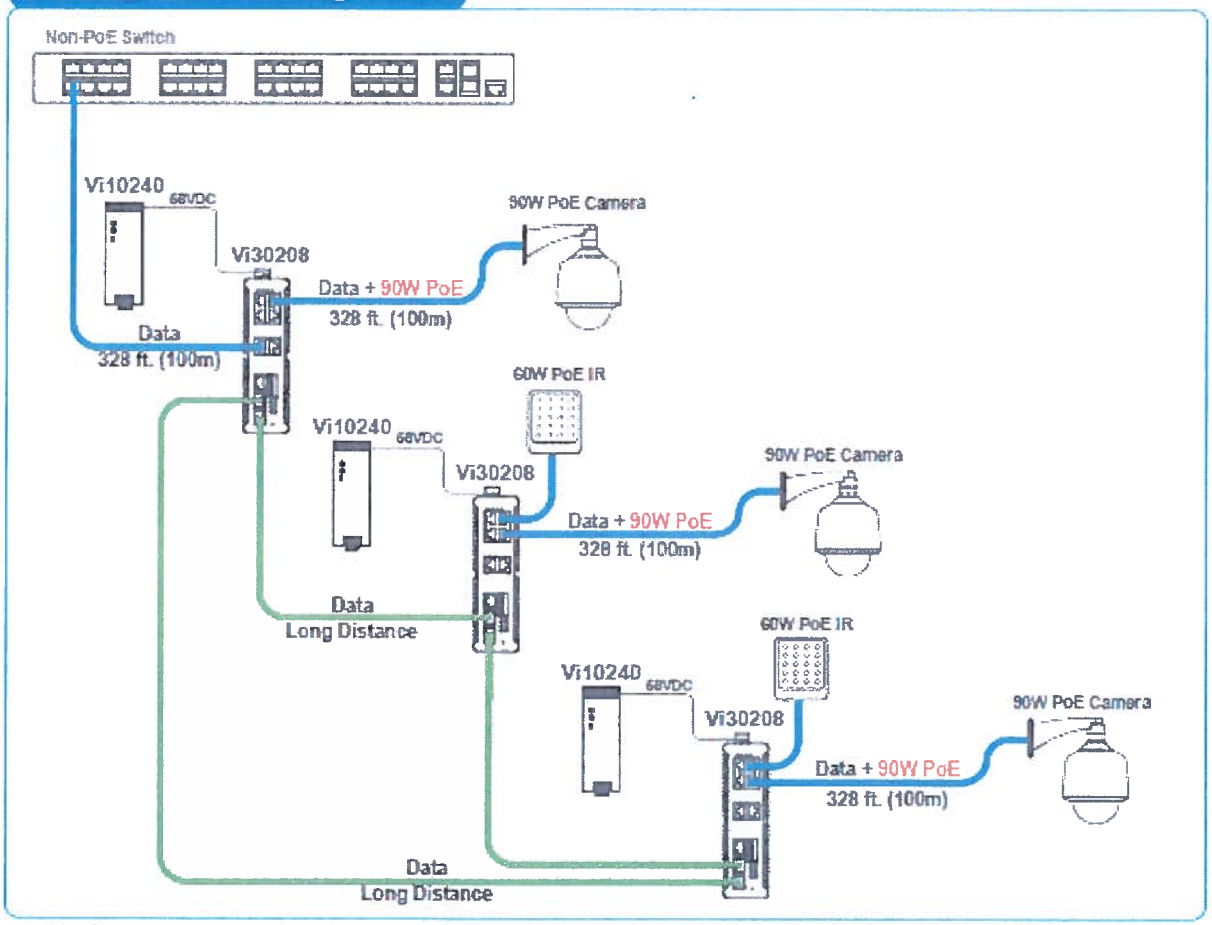

4.4"
11 cm

## Powering High Power PoE Cameras




*The Vi30208 and Vigitron Hardened power supplies can power multiple high power PoE PTZ Cameras up to 90W*

## The Ring Network Configuration




*Multiple Vi30208s can be used in a Ring Network configuration to increase their reliability of the network.*