BIT MAXX™

Gigabit PoE+ Splitter

The PoE+ splitter allows the use of non - PoE cameras in a PoE environment.

Power is supplied to PoE+ Splitter by a PoE Switch (sold separately).

The PoE+ splitter supplies 12VDC to the camera via the I/O connector and data is Supplied via the RJ45 (Data Out) connector.

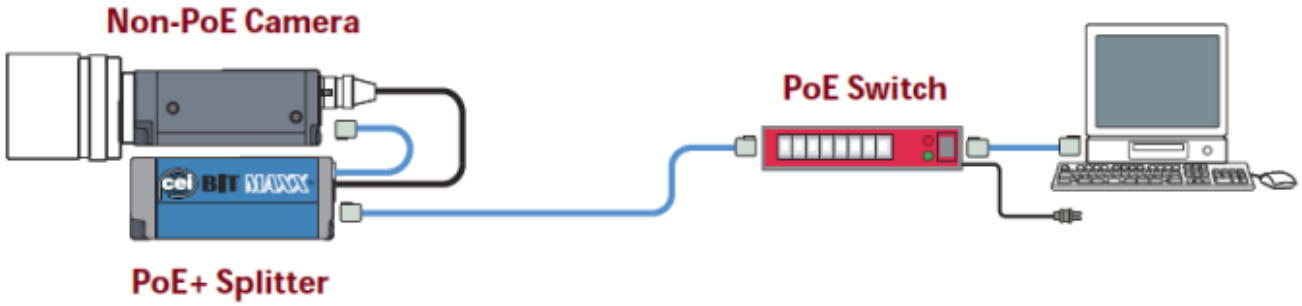
Terminal block is supplied for convenient connection to the camera I/O, eliminating the need for expensive breakout cables.

The PoE+ Splitter can be mounted directly onto many popular GigE Vision® cameras.

The device eliminates the need for separate power supplies and AC electrical outlets.

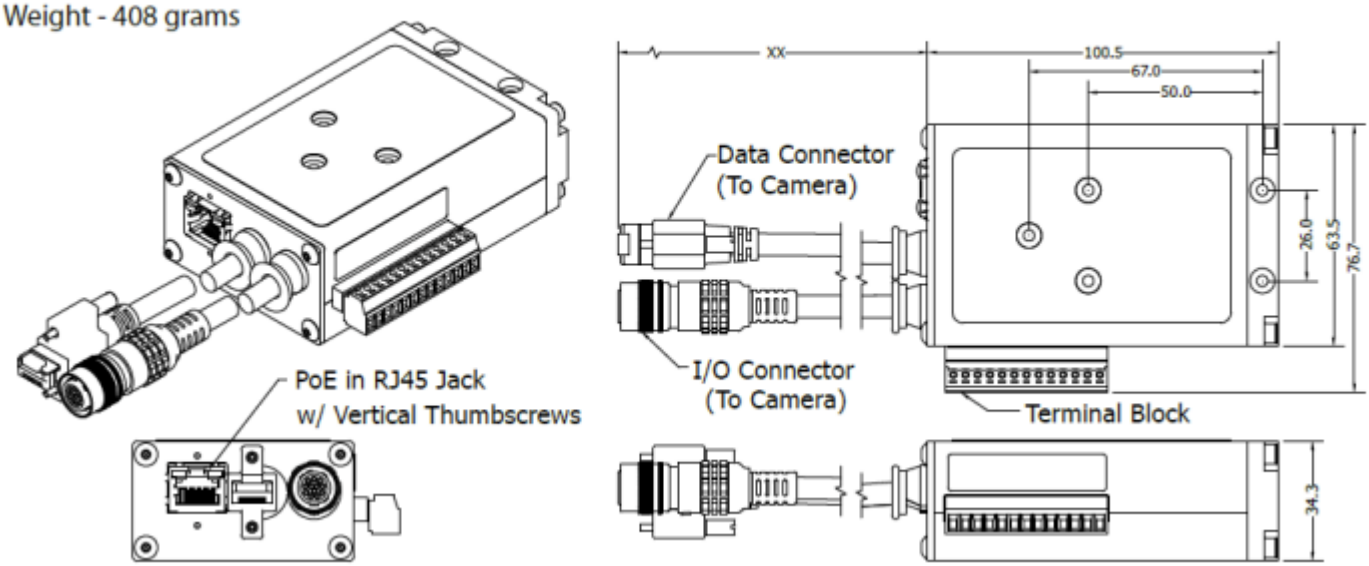
- *Improved cable management*
- *No power supply needed*
- *Convenient Aux terminals*
- *Industrial grade enclosure*
- *Cost effective*

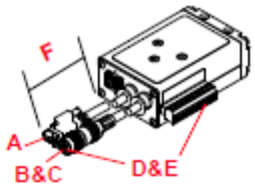
Typical Application



Physical Dimensions

* Millimeters unless otherwise noted
* Weight - 408 grams





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A B C D E F

- A — Camera Connector Type
- B — I/O Hirose Connector Type
- C — Hirose Connector Orientation
- D — I/O - Ground Pin Location
- E — I/O + Power Pin Location
- F — Cable Lengths in Centimeters

Section: **A**

Camera Connector Type (1 - 6)

1 = Straight RJ45
2 = Vertical RJ45 w/Thumbscrews
3 = Horizontal RJ45 w/Thumbscrews
4 = Industrial RJ45
5 = Right Angle RJ45 w/Clips
6 = Right Angle RJ45 w/Screws

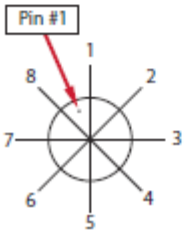
Section: **B**

I/O Hirose Connector Type (1 - 6)

1 = 12 Pin Female Plug
2 = 12 Pin Male Plug
3 = 12 Pin Female jack
4 = 12 Pin Male Jack
5 = 6 Pin Female Plug
6 = 6 Pin Male Plug

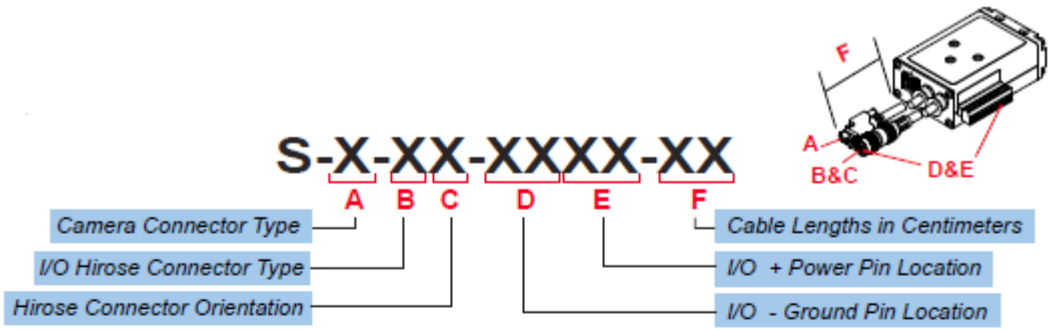
Section: **C**

*Hirose Connector Orientation (0 - 8) * See example at right*

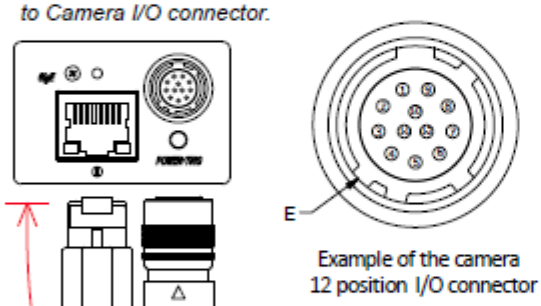


0 = Straight
1 = Right Angle 360 Degrees
2 = Right Angle 45 Degrees
3 = Right Angle 90 Degrees
4 = Right Angle 135 Degrees
5 = Right Angle 180 Degrees
6 = Right Angle 225 Degrees
7 = Right Angle 270 Degrees
8 = Right Angle 315 Degrees

** Example of: Right Angle Orientation # 3 (90 Degrees)*

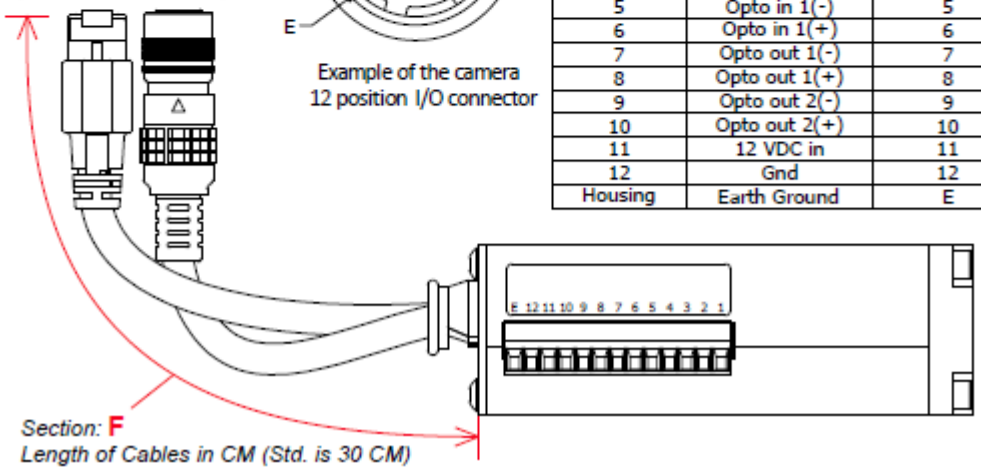


Section: **D & E**
I/O Pin Location Neg/Pos (pins 1-12)
Note: Terminal block is a direct interface to Camera I/O connector.



Example of the camera 12 position I/O connector

Example of the 12 position I/O connector		
I/O 12p Con.	I/O signals	Terminal Block
1	Gnd	1
2	+12 VDC in	2
3	Opto in 2(-)	3
4	Opto in 2(+)	4
5	Opto in 1(-)	5
6	Opto in 1(+)	6
7	Opto out 1(-)	7
8	Opto out 1(+)	8
9	Opto out 2(-)	9
10	Opto out 2(+)	10
11	12 VDC in	11
12	Gnd	12
Housing	Earth Ground	E



Section: **F**
Length of Cables in CM (Std. is 30 CM)

Additional Specification:

TERMINAL BLOCK: 12VDC Power is supplied to the Terminal block.
Warning ! DO NOT SUPPLY EXTERNAL POWER TO THE TERMINAL BLOCK.
The power is supplied to the terminal block on the same contact positions as I/O on camera.

POWER OUTPUT: Total output power budget for device is dependant on type of switch used.
Power on terminal (PT) = Total power supplied by switch (PS) - Power consumed by camera (PC)
(PT = PS - PC) I.E. 8.15W = 12.95W - 4.8W
PT = Power available on terminals, PS = Power supplied by switch, PC = Power consumed by camera