

## GigE-Connect-FLIR-BOX

GigE-Vision add-on kit for Photon Block 2, uncooled infrared camera from Flir systems



GigE-Connect-FLIR-BOX

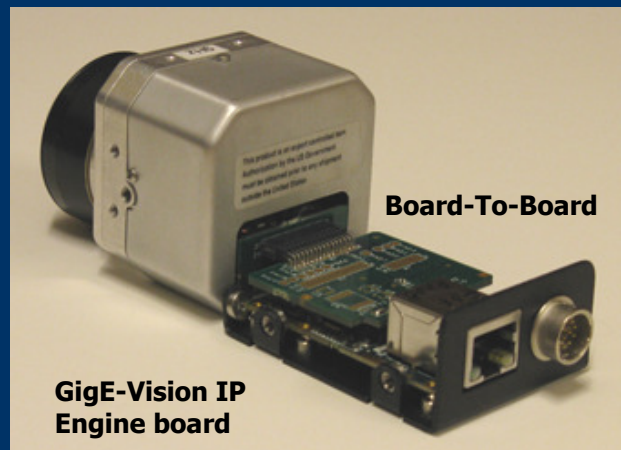
**NEW**



Photon Block 2



30 pin header



Photon Block 2 - long-wavelength (7.5 – 13.5 microns) uncooled microbolometer camera designed for infrared imaging applications that demand absolute minimum size, weight, and power consumption now available with back to back GigE-Vision interface.

- 324 x 256 Pixels infrared sensor
- 9 or 25 frames/second
- GigE Vision interface with 8 bit or 14 bit mono output
- Camera control performed by serial protocol over GigE-Vision
- GigE-Vision to general purpose RS232 channel
- External camera trigger 5V to 24V
- No need for bulky cables between camera and converter.
- Extender 30 pin flat cable up to 15cm between camera and converter is available.
- Comprehensive software tools and SDK

[www.GigaLinx.net](http://www.GigaLinx.net)

**GIG**<sup>TM</sup>  
VISION

GEN<i>i>CAM

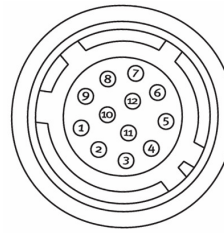
## Specifications Of GigE-FLIR-BOX

Ethernet Protocol	10/100/1000 GigE-Vision Standard
Video output	324 x 256 pixel
Pixel types	Mono: 8,14 bits/pixel;
Sync system	Free run / External trigger
GigE Packet Size	1440 to 16,000 bytes
Voltage	+12V DC +-10%
Power	1.8W Typical
Video input	Serial Digital LVDS
Dimensions	70mm (W) X 27.5mm (H) X 51.0 (L)
Weight	~100 g
Operating Temp.	-20°C to 85°C

Note: For complete spec of Photon Block 2 from Flir Systems Inc, please refer to original documentations from Flir / indigo.

<http://www.flir.com>  
<http://www.corebyindigo.com>

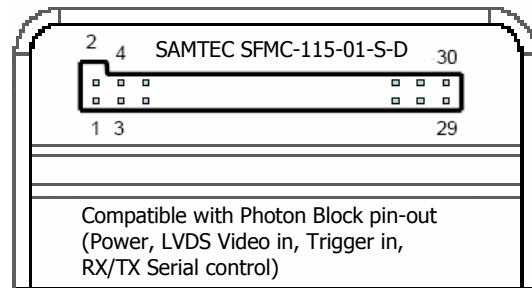
## Power / GPIO Connector Pin-Out



HIROSE HR10A-10R-12PB

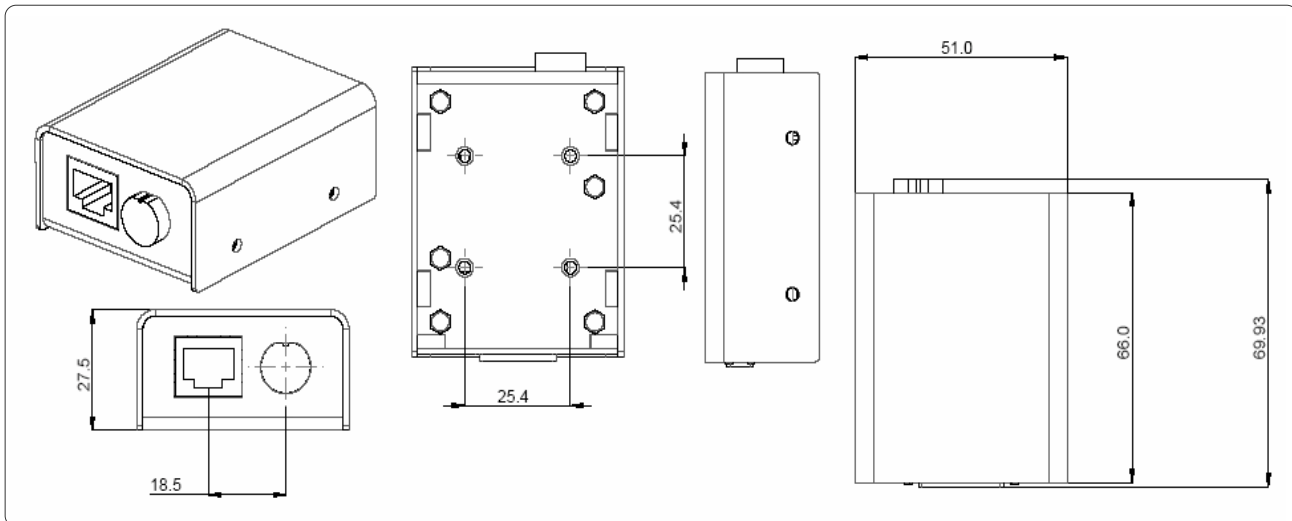
- 1 GND
- 2 GND
- 3 RS232 TX OUT
- 4 I/O OUT1
- 5 I/O OUT2
- 6 I/O OUT VCC
- 7 I/O IN2
- 8 Camera Power
- 9 Camera Power
- 10 I/O IN1
- 11 RS232 RX IN
- 12 I/O IN GND

## Video input connector



Compatible with Photon Block pin-out  
(Power, LVDS Video in, Trigger in,  
RX/TX Serial control)

## Dimensions



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**Advance Information;** Specifications subject to change without prior notice  
GigaLinx - 6A Massada St. Hod Hasharon, Israel – [www.gigalinx.net](http://www.gigalinx.net)