

Product Features

- Sony® STARVIS™ IMX462
- ONVIF Profile S
- Digital Pan, Tilt, Zoom
- 3 Video Streams
- NDAA Compliant (Section 889)
- Included HTTP API
- GPIO connector
- PoE Capable



Description

The 201-IP-462 is a PoE capable, 38 x 38 mm, board level, 1080p, 2 MP IP camera with API support for application development. Featuring the Sony STARVIS™ IMX462 sensor for Full HD imaging with strong low-light performance.

The camera supports: multiple video streams, digital pan/tilt/zoom, DHCP or static IP configuration, integrated Ethernet magnetics, microSD card support, and GPIO for compact embedded system integration.

Technical Specifications

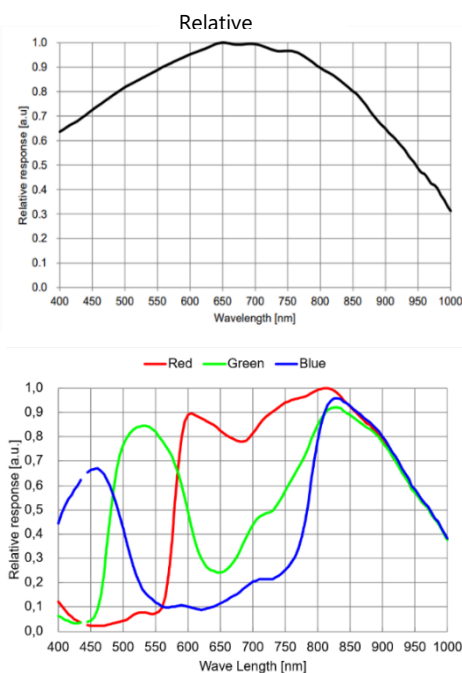
Sensor Data

Image Sensor	Sony IMX462 STARVIS
Sensor Size	1/2.8"
Pixel Size	2.9 μm
Resolution	1920 x 1080
Shutter	Progressive
Sensitivity	Up to ~0.02 Lux

Certifications

REACH	Compliant
RoHS	Compliant
NDAA	Section 889 Compliant
ONVIF	Profile S Compliant

Spectral Response



Videology Industrial-Grade Cameras

35 Hampden Road
Mansfield, MA 02048
United States

www.videologyinc.com

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Technical Specifications (cont'd)

Camera Data & Functionality

Video Resolution(s)	1920x1080, 1280x720, 640x480
Frame Rate(s)	Up to 60 fps
Video CODEC	H.265/H.264/MJPEG
Streaming	Up to 3 streams
Latency	~150 ms
Virtual Pan/Tilt/Zoom	Yes
Real Time Clock (RTC)	Yes
RTC Battery Backup	Yes
MicroSD Card Compatibility	Yes
GPIO	Yes
Video Processing	AE, AWB, WDR, DNR, Motion Detection, Blending, Scaling
Protocols	HTTP API, RTSP, DHCP, Static IP, FTP

Electrical

Supply Voltage	6-18 VDC
Power @ 12 VDC	Typ. 2.4 W

Hardware Features

Real Time Clock (RTC)	Battery backup
MicroSD Card	Supported
GPIO	4 pins, 3.3 VDC

Environmental

Operating Temp.	0 °C to 50 °C (32 °F to 122 °F)
Operating Humidity	30% ~ 90% RH
Storage Humidity	<85% RH

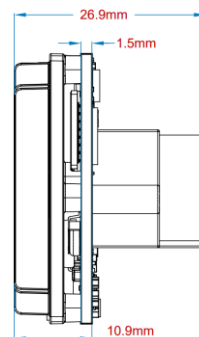
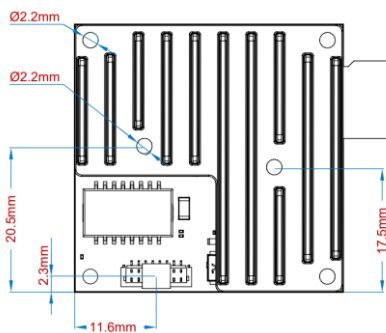
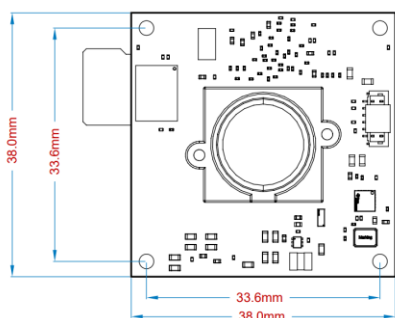
Mechanical

Dimensions W x H x D	38 mm x 38 mm x 26.9 mm (1.49 in x 1.49 in x 1.06 in) (w/ lens mount + heat sink)
Connectors	P1: WR-WTB SMT 1mm 8p P2: WR-WTB SMT 1mm 6p
Weight	8 g (0.22 oz) (bare camera PCB) 29 g (1.02 oz) (w/ lens mount + heat sink)

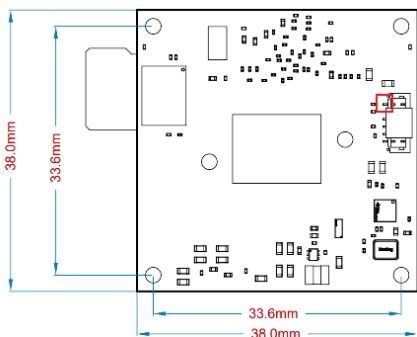
Related Parts & Accessories

Part Number	Description
60C5025	Ethernet & power cable
POE100-RJ	PoE board with RJ45 connector
POE100-PB	PoE board with PicoBlade connector
60C5035	Cable between camera and PoE board
70V5043	Heatsink
AK200-001	Adaptor hardware for PoE board

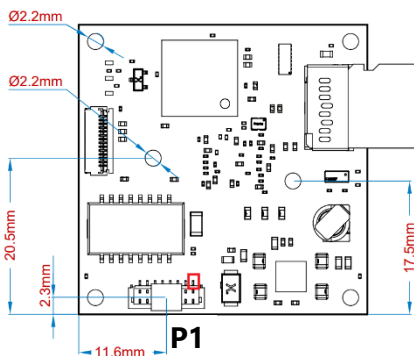
Dimensions and Connectors



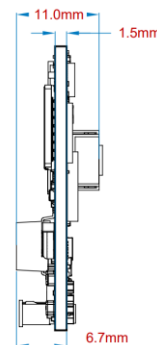
Variant shown is **201-IP-462-2HC1DC** – 2MP Camera, IP, Sony IMX462, 16 mm M12 Lens Mount with Heatsink, Color, IR-Cut Filter, Direct Current



P2



P1



Variant shown is **201-IP-462-0C0DC** – 2MP Camera, IP, Sony IMX462, No M12 Lens Mount, Color, No IR-Cut Filter, Direct Current

P1: Ethernet 10/100Mbps

01	RJ_TX+
02	RJ_TX-
03	RJ_RX+
04	VIN 12V
05	VIN 12V
06	RJ_RX-
07	GND
08	GND

P2: GPIO

01	GPIO 20
02	GPIO 21
03	GND
04	GPIO 22
05	GPIO 23
06	GND

*Pin 1 is marked with a white dot on PCB

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Part Numbering

Base Part Number	201-IP-462- xyzp	
x (Lens Mount)	0	No lens mount
	1	10 mm M12 lens mount
	1H	10 mm M12 lens mount with heatsink
	2	16 mm M12 lens mount
	2H	16 mm M12 lens mount with heatsink
y (Spectrum)	C	Color
	M	Mono
z (Filter)	0	No IR-Cut filter
	1	IR-Cut filter
p (Power)	DC	Direct Current
	POERJ	Power over Ethernet, RJ45
	POEPB	Power over Ethernet, PicoBlade

Example:

201-IP-462-2HC1DC – 2MP Camera, IP, Sony IMX462, 16 mm M12 Lens Mount with Heatsink, Color, IR-Cut Filter, Direct Current

Notes:

- Heat sink recommended
- IR-Cut filter recommended for color version

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