

640 100mm Athermalized IP Thermal Module

ZV-LARV100HC

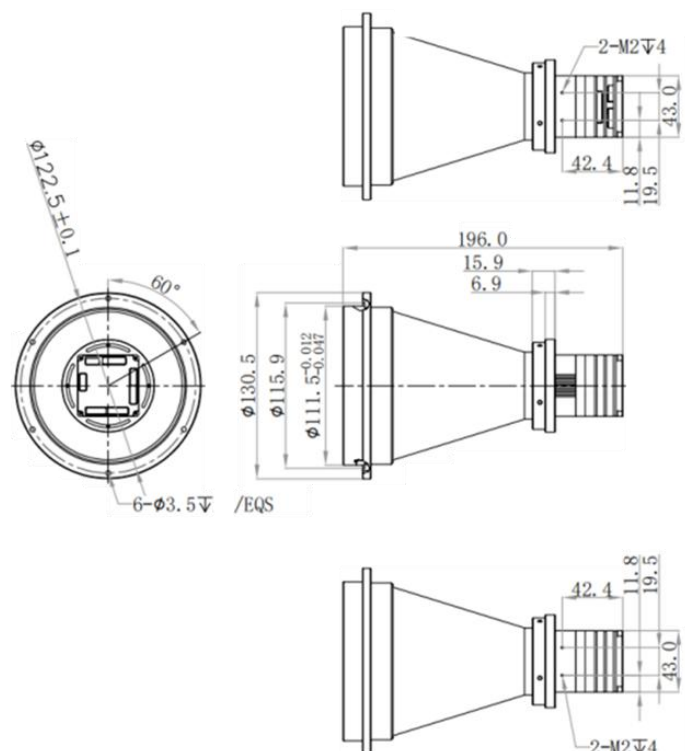


Feature

- 640 × 512, 12μm Uncooled VOx Microbolometer;
- NETD sensitivity ≤ 35 mK @ F1.0, 300K;
- 100mm Athermalized Lens;
- Max. Resolution: 1920*1080 @ 25/30fps;
- FOV: 4.4°×3.5° (Wide ~ Tele)
- Support various pseudo-colour;
- Support Network Output Video Stream and CVBS Interface;
- Reserved TTL 3.3V, RS485;
- Reserve Audio (1 In/ 1 Out) and Alarm (1 In / 1 Out) Interfaces;
- Compatible with VISCA, PELCO-D/P and ONVIF.

Dimension

Unit: mm



Specifications

Camera

Detector type	Uncooled VOx Microbolometer
Effective Pixels	640 × 512
Pixel Pitch	12μm
Spectral Band	8 ~ 14μm
NETD	≤35 mK @F1.0, 300K

Lens

Focal Length	100 mm Athermalized Lens
Focusing Type	Fixed
Aperture Range	F1.0
FOV	4.3°×3.5° (Wide ~ Tele)
Focusing Range	10M–∞
Sealing	IP67(front of lens)

Network

Video Compression	H.265 / H.264
Protocols	ONVIF (PROFILE S, PROFILE G), SDK, TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6
Intelligent Detection	Tripwire, Intrusion, Loitering, etc.
Smart Intelligence (Optional)	Human/Vehicle/Ship classification, Fire detection

Image

Max. Resolution	30/25fps (1920 × 1024)
Image Settings	Saturation, Brightness, Contrast, Sharpness, etc.
Digital Zoom	4×
Pseudo Colours	16 Modes Available
Image Enhancement	Support
Image Filtering	Support
Dead Pixel Correction	Support
Noise Reduction	Support
Mirror	Support

Interface

Ethernet	100M Network Port
Analogue	CVBS
Digital	BT.656 (Optional)
Serial Port	1 channel TTL 3.3V, 1 channel RS485
Functional Interface	Alarm (1 in / 1 out), audio (1 in / 1 out), USB
Storage	Micro SD / SDHC / SDXC card (Up to 512G), NAS (NFS, SMB / CIFS supported)

General

Operating Conditions	-30°C ~ 60°C; Humidity ≤ 90% (non-condensing)
Power Supply	12V DC ± 10%

Power Consumption	Max: 4.4W
Dimensions (Unit: mm)	Φ110.5*196mm
Weight	1152g

JP1 Power MX1.25mm 2P

No.	Pin Name
1	GND
2	12V DC

JP3 Ethernet MX1.25mm_6P

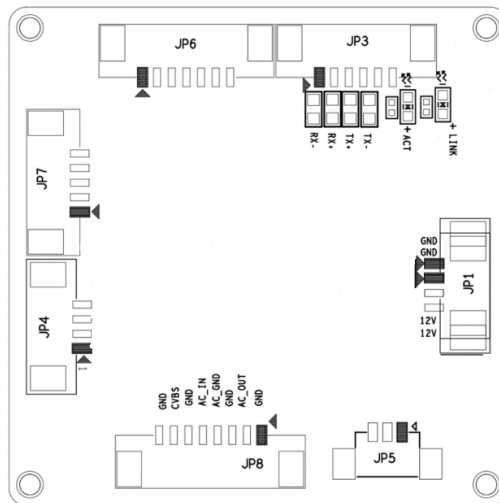
No.	Pin Name
1	TX-
2	TX+
3	RX+
4	RX-
5	LINK#
6	ACT#

JP4 USB2.0 MX1.25mm 4P

No.	Pin Name
1	5V_DC
2	USB_DP
3	USB_DM
4	GND

JP6 Serial Port MX1.25mm 7P

No.	Pin Name
1	VCC
2	GND
3	TTL_3.3V_RXD
4	TTL_3.3V_TXD
5	GND
6	RS485-
7	RS485+



JP7 Analogue Switch MX1.25mm 5P

No.	Pin Name
1	ALM_OUT
2	ALM_IN
3	GND
4	SYS_RST_N
5	GND

JP8 Audio & Video MX1.25mm 8P

No.	Pin Name
1	GND
2	LINEOUT
3	GND
4	GND
5	LINEIN
6	GND
7	CVBS
8	GND