

640 50mm Athermalized Lens IP Thermal Module

ZV-LARV050HC

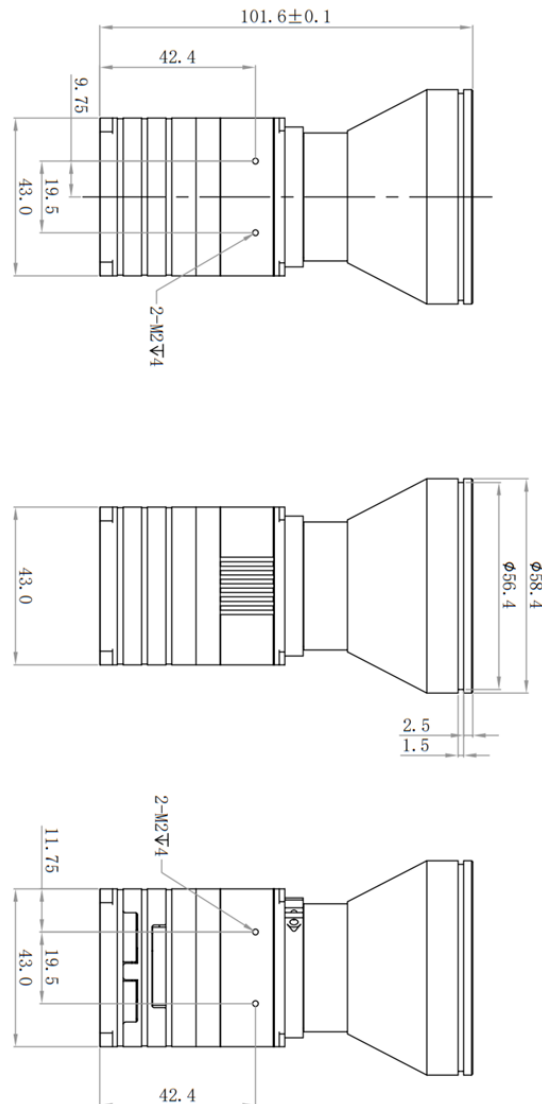


Feature

- 640 × 512, 12μm Uncooled VOx Microbolometer;
- NETD sensitivity ≤ 35 mK @F1.0, 300K;
- 50mm Athermalized Lens;
- Max. Resolution: 1280*1024@ 25/30fps;
- FOV: 8.8°× 7.0°;
- Support Various Pseudo-Colour;
- Support Network Output Video Stream and CVBS Interface;
- Reserved RS232, 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	50mm Athermalized Lens
Aperture Range	F1.0
FOV	8.8° × 7.0°
Spatial Resolution	0.24mrad
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.

Image

Max. Resolution	30/25fps (1280 × 1024)
Image Settings	Saturation, Brightness, Contrast, Sharpness, etc.
Digital Zoom	4×
Pseudo Colours	10 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 RS232, 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 ≤ 95% (non-condensing)
Power Supply	12V DC ± 10%
Power Consumption	Max: 4.4W

Dimensions	101.6*Φ58.4mm
Weight	256g

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	RS232_RXD
4	RS232_TXD
5	GND
6	RS-485-
7	RS-485+

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

