MIC-OTH05

FOV 106° x 38° Tri-Thermal Cameras

Revision Table

Date	Revision	Content	By
2025/3/3	0.1	First Draft	Devin
2025/3/5	0.2	Second Draft	Zoe
2025/8/7	0.3	Change Model Name	Mark
2026/3/9	0.4	Modify Appearance	Devin
2026/5/14	0.5	Upgrade to Three Thermal Cameras	Devin

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Feature

- Tri Thermal Cameras for Image Stitching
- FOV H: 106 Degrees, V: 38 Degrees
- Optimized Day & Night (Low-Light Performance)
- H.265 & H.264 Triple-Stream Encoding
- Fog Penetration Capability
- Noise Reduction
- Support Image Mirroring
- Ruggedized Design for Military Vehicle Application
- IP67 Rated for Dust and Waterproofing in Harsh Environment
- PoE for Streamlined Installation
- Meet MIL-STD-810G Compliance
- Meet MIL-STD-461 (EMC) Compliance

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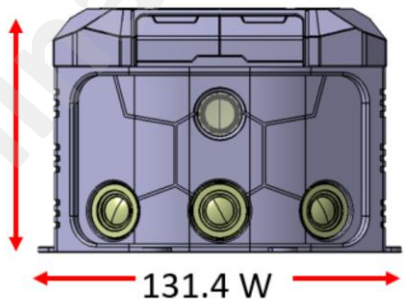
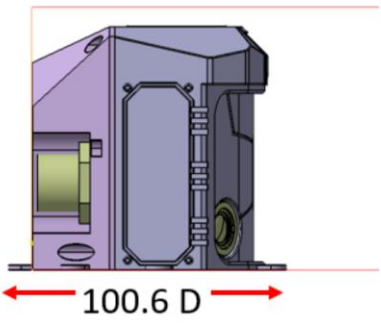
Appearance





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Specification

Camera	Thermal	Visible
Image Sensor	8mm Lens	CCD
Resolution	640×512	3840x2160
Spectral Range	8 to 14μm	
NETD	≤ 35mK	
Frame Rate	50Hz	
Signal-to-Noise Ratio	56dB	
Non-Uniformity Correction	Automatic / Manual Correction	
Field of View (FOV)	Thermal Stitched Image: H: 106°, V: 38°	H: 110°, V: 40°
Digital Zoom		
View Modes	1-4 Times	Day & Night (0.001 Lux)
Fog Penetration	Support	Support
Image Mirroring		Support
Noise Reduction	Support	Support
Image Processing	Digital Image Detail Enhancement (DDE)	Digital Image Detail Enhancement (DDE)
Network Interface	Ethernet (10/100 Base-T) RJ-45 Connector	
Power Supply	PoE Support	
Power Consumption	~ 28 W	
Ingress Protection	IP67	
Dimension	131.4 (W) x 88 (H) x 100.6 (D) (mm)	
Weight	~ 1.2kg	

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Environment Compliance

Operating Temp.	-40℃ to +55℃
Storage Temp.	-50℃ to +60℃
Humidity	Less Than 90% RH
Shock	Design to Meet MIL-STD-810G
Vibration	Design to Meet MIL-STD-810G
EMI/EMC	Design to Meet MIL-STD-461

Environmental performance may vary according to the integration method or final integration scenario.

Ordering Information

Model Name	Description	Unit
MIC-OTH05	FOV 106° x 38° Tri Thermal Cameras	1

