

# MIC-OTH05

FOV 100° x 40° with Dual Thermal Cameras

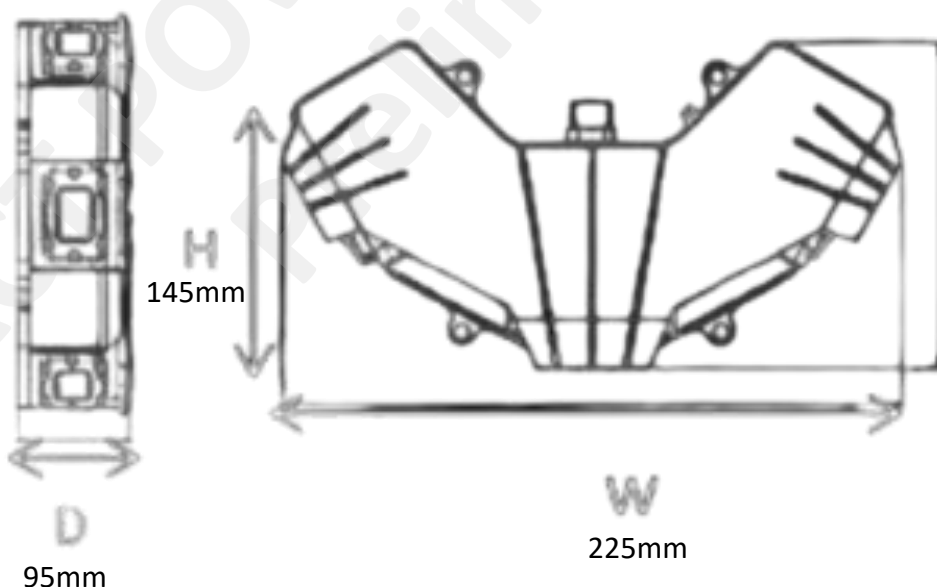
## Feature

- Dual Thermal Cameras for Image Stitching
- FOV H: 100 Degrees, V: 40 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
- EMI/EMC Compliance, Fully Adheres to MIL-STD-461G

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## Appearance





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## 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

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## Specification

Camera	Thermal 1 & Thermal 2	Visible
Image Sensor	8mm Lens	CCD
Resolution	640x512	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)	Single Thermal Camera: H: 51.2°, V: 42° Thermal Stitched Image: H: 100°, V: 40°	H: 100°, 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	~ 25 W	
Ingress Protection	IP67	
Dimension	225 x 145 x 95 (mm)	
Weight	1.2kg	

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## Environment Compliance

Operating Temp.	-40°C to +55°C
Storage Temp.	-50°C to +60°C
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-461G

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

## Ordering Information

Model Name	Description	Unit
MIC-OTH05	FOV 100° x 40° with Dual Thermal Cameras	1

### Disclaimer

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