

# MIC-OfP02

Fog-Penetration CCD Side Camera

## Revision History

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 Camera FOV	Devin

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## Features

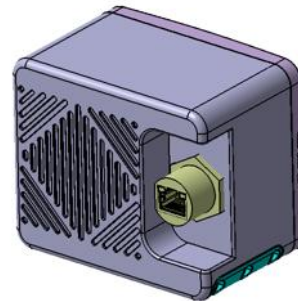
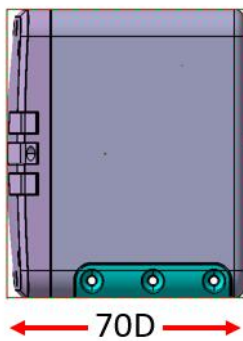
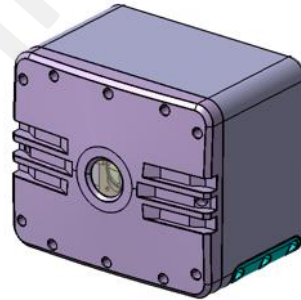
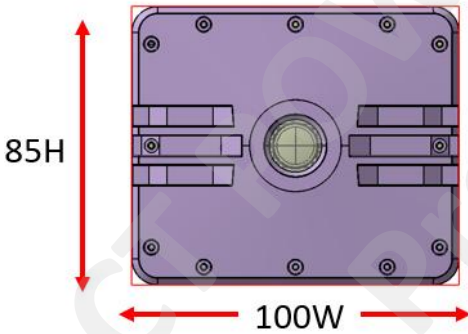
- FOV H: 70 Degrees, V: 45 Degrees
- Optimized Day & Night (Low-Light Performance)
- H.265 & H.264 Triple-Stream Encoding
- Fog Penetration Capability
- Noise Reduction
- Support Image Mirroring
- Ruggedized Design for Military Vehicle Application
- IP67 Rated for Dust and Waterproofing in Harsh Environment
- 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

<b>Camera</b>	
Focal Length	8mm Lens
Number of Effective Pixels	1752 × 1752
Field of View	H: 70°, V: 45°
Image Processing	Digital Image Detail Enhancement
Digital Zoom	1-4 Times
Image Stabilization	AI Image Stabilization
View Modes	Day & Night (Low Level Light)
Fog Penetration	Optical + Image Fogging
Image Mirroring	Support
Noise Reduction	Support
Image Processing	Digital Image Detail Enhancement (DDE)
Network Interface	Ethernet (10/100 Base-T) RJ-45 Connector
Power Supply	PoE Support
Power Consumption	~15 W
Ingress Protection	IP67
Dimension	Less Than 85 x 70 x 140 (mm) , TBD
Weight	~ 0.5kg

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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-OfP02	Fog-Penetration CCD Side Camera	1

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