

MIC-OFP01

Fog-Penetration CCD Rear Camera

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

ACT POWER TAIWAN
Preliminary

MIC-OfP01

Fog-Penetration CCD Rear Camera

Feature

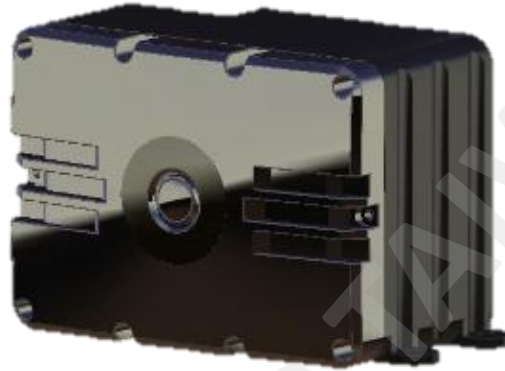
- FOV H: 90 Degrees, V: 51 Degrees
- Optimized Day & Night (Low-Light Performance)
- H.265 & H.264 Triple-Stream Encoding
- Fog Penetration Capability
- Noise Reduction
- Support Image Mirroring
- Ruggedized Design for Military Vehicle Application
- IP67 Rated for Dust and Waterproofing in Harsh Environment
- PoE for Streamlined Installation
- Meet MIL-STD-810G Compliance
- EMI/EMC Compliance, Fully Adheres to MIL-STD-461G

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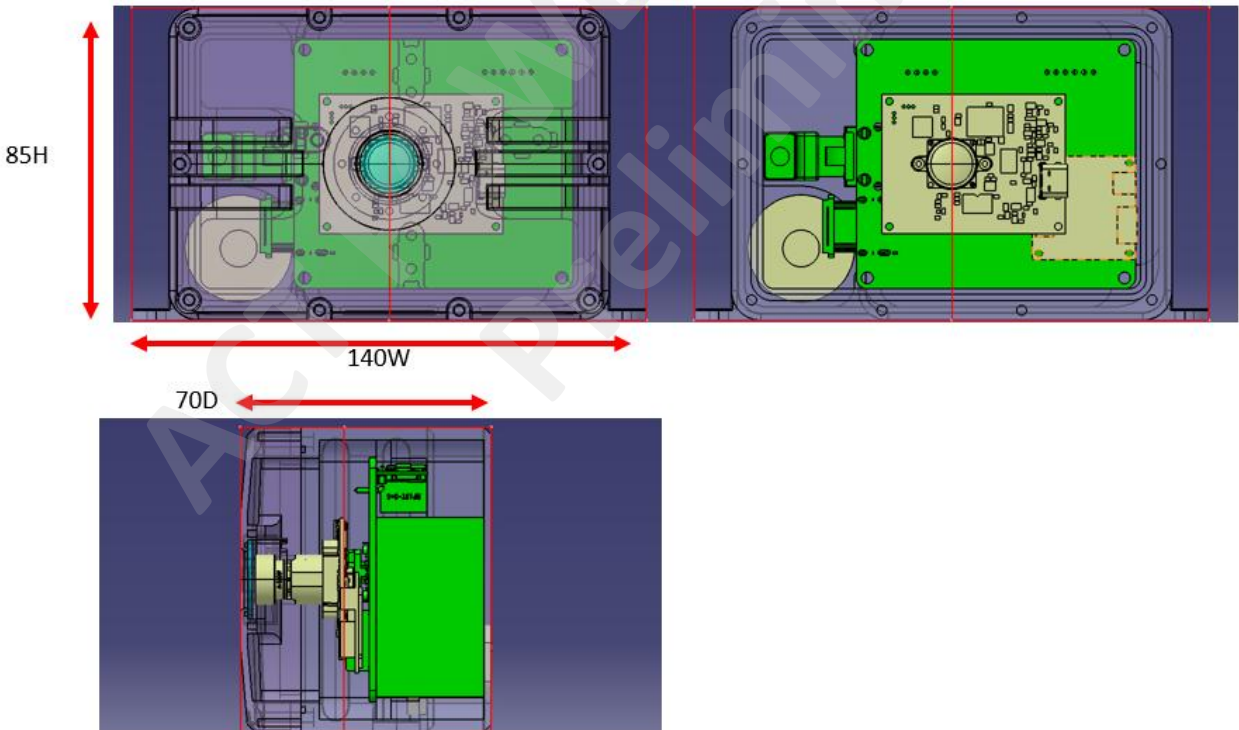
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Fog-Penetration CCD Rear Camera

Appearance



140W x 85H x 70D



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Fog-Penetration CCD Rear Camera

Specification

Camera	
Focal Length	6mm Lens
Number of Effective Pixels	2560 × 1440
Field of View	H: 90°, V: 51°
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	TBD

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The Fog-penetration CCD Rear Camera

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-OfP01	Fog-Penetration CCD Rear Camera	1

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