

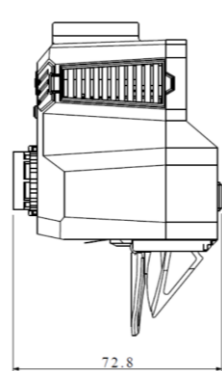
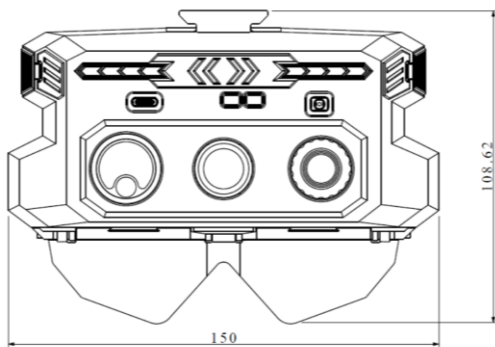
MIC-OTH01

IVAS (Integrated Visual Augmentation System)

Features

- Fusion of Night Vision Sensor, Thermal Sensor, CMOS or Laser Rangefinder
- In Fusion Mode, Can Be 0 Millilux Moonless Starlight
- AI Low Light & Defog Enhancement
- Strong Flashlight Suppression
- Thermal: <40mk, QVGA or VGA High Resolution
- 1km < Laser Rangefinder
- Supports Wireless Transmission
- MIL-STD-810G

Appearance





MIC-OTH01

IVAS (Integrated Visual Augmentation System)

Revision Table

Date	Revision	Content	By
2025/8/7	0.1	First Draft	Zoe You

ACT POWER TAIWAN
Preliminary

MIC-OTH01

IVAS (Integrated Visual Augmentation System)

Specification

Sensor	Thermal / Night Vision / CMOS / Laser
Lens	Night Vision : 6mm / F1.0 Lens Thermal : 13.5mm Focal Length Lens
Resolution	640 x 512
Spectral Range	8 to 14μm
NETD	< 40mK
Frame Rate	40fps / 100fps / 30fps
Signal-to-Noise Ratio	56dB
Shutter Design	Software-Controlled, Near Shutterless
Digital Zoom	1x / 2x / 4x / 8x
Noise Reduction	Support
Color Palettes	White Hot, Black Hot, Red Hot, Rainbow, Pseudo Night Vision
Network Interface	Wireless / BT / 2.4G / 5.8G
Battery	Bulit-In 2 x 18650 Li-Ion
Power Input	Type-C, 5V/3A
Power Consumption	6W
Ingress Protection	IP54
Dimension	150 x 72.8 x 108.62 mm
Weight	250g

MIC-OTH01

IVAS (Integrated Visual Augmentation System)

Environment Compliance

Operating Temp.	-10°C to +65°C
Storage Temp.	-20°C to +80°C
Humidity	5% - 95% RH (Non-Condensing)
Shock	Design to Meet MIL-STD-810G
Vibration	Design to Meet MIL-STD-810G
EMI/EMC	Design to Meet MIL-STD461E/F

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

Deliverables

1	IVAS (Integrated Visual Augmentation System)
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Ordering Information

Model Name	Description	Unit
MIC-OTH01	IVAS (Integrated Visual Augmentation System)	1

Disclaimer

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