

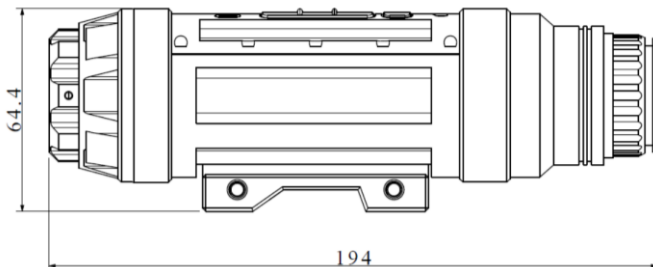
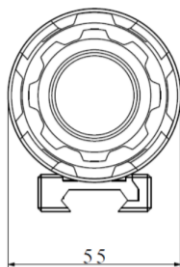
MIC-OTH02

Thermal Scope

Features

- Thermal: <40 mK, QVGA or VGA High Resolution
- 1x-8x Digital Magnification
- Support Wireless Transmission
- Can Operate in Total Darkness
- Passive Device, Detecting without Harming
- 25mm Lens
- 2*18650 Li-Ion Battery Inside, Support Long Operations
- MIL-STD-810G

Appearance





MIC-OTH02

Thermal Scope

Revision Table

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

ACT POWER TAIWAN
Preliminary

MIC-OTH02

Thermal Scope

Specification

Sensor	Thermal Sensor
Lens	25mm Lens
Resolution	640 × 480
Spectral Range	8 to 14μm
NETD	≤ 40mK
Frame Rate	60 fps
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 Transmission
Battery	Bulit-In 2 x 18650 Li-Ion
Power Input	Type-C, 5V / 3A
Power Consumption	3.5 W
Ingress Protection	IP54
Dimension	194 x 55 x 64.4 mm
Weight	300g



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Thermal Scope

Environment Compliance

Operating Temp.	-10°C to +60°C
Storage Temp.	-20°C to +80°C
Humidity	5% - 95% RH (Non-Condensing)
Shock	MIL-STD-810G Compliant
Vibration	MIL-STD-810G Compliant
EMI/EMC	MIL-STD461E/F Compliant

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

Deliverables

1	Thermal Scope
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Ordering Information

Model Name	Description	Unit
MIC-OTH02	Thermal Scope	1

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