

Product Datasheet - Technical Specifications



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LH25 3.0

Thermal Monocular



The LH25 3.0 redefines performance in its class with a 384x288 detector, a 25mm F1.0 lens, and a 2.5x base magnification. With its 10.5° (18.4 m at 100 m) field of view and an impressive detection range of 1200m, this ultimate-valued monocular excels in long-range detection. It is perfect for open landscapes and professional use.

Key Feature

- High-sensitivity thermal module with NETD < 15 mK
- 25 mm, F1.0 lens with thermal detection range up to 1200 m
- AI-powered Image Pro 3.0 and Zoom Pro algorithms
- HIKMICRO Shutterless Image System (HSIS)
- 0.49-inch 1920 × 1080 resolution AMOLED display
- Replaceable and rechargeable 18650 battery provides up to 4.5 hours of continuous operation at -20°C
- Lightweight design at 328.5g, with a pocket-sized build

Specification

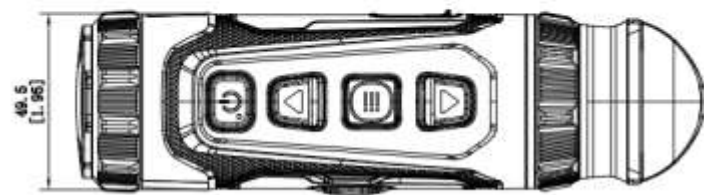
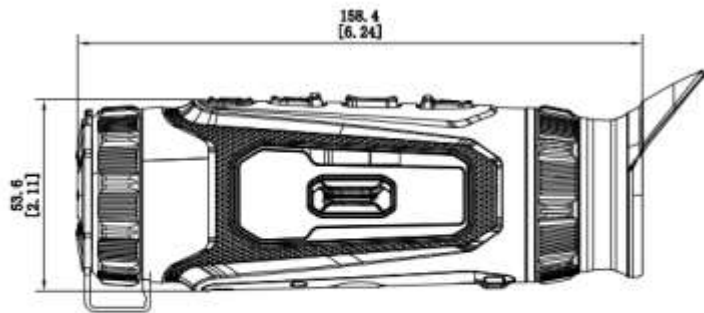
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 15 mK (@25°C), F#=1.0
Lens (Focal Length)	25 mm, F1.0
Focus Mode	Focus Wheel
Min. Focusing Distance	3 m
Magnification	2.5 × - 20 × (8 ×)
Field of View(H × V), Degrees / m @100 m	10.5° × 6.4°/18.4 m × 11.2 m
Detection Range	1200 m
Image Display	
Display	1920 × 1080, 0.49 inch, AMOLED
Contrast Adjustment	Yes
Brightness Adjustment	Yes
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	6 mm
Eye Relief	20 mm
Diopter (Range)	-5 D to +3 D
Tone Adjustment	Cold, warm
Zoom Pro	Yes
HSIS (HIKMICRO Shutterless Image System)	Yes
Image Pro 3.0	Yes
Sync Pro	Yes
System	
Storage	Built-in EMMC (64GB)
Record Video	Yes
Capture Snapshot	Yes
Local Album	Yes
Standby Mode	Yes
PIP	Yes
Hotspot	2.4/5 G WiFi Waveband
Hot Track	Yes
Distance Measurement	Yes
Audio Recording	Yes

Power Supply	
Battery Type	Replaceable and rechargeable 18650 battery
Battery Operating Time	≥5h (@25°C, WiFi on) ≥4.5h (@-20°C, WiFi on)
Type-C Power Supply	5 V DC, 2 A Supports External Power Supply, Support Direct Charging
General	
Work Temperature/Humidity	From -30°C to 45°C (-22°F to 113°F); Humidity: 90% or Less
Protection Level	IP67
Dimension	158.4 x 53.6 x 49.5 mm
Weight	328.5 g with Battery

Available Model

HM-TSF3-25Y1G/W1-LH25 3.0

Dimension



Unit: mm [Inch]

Accessories



Battery Charger (×1)



Battery (×2)



Lint-Free Cloth (×1)



Type-C Cable (×1)



Quick Start Guide(×1)

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