

LH25 3.0

Thermal Monocular



The LH25 3.0 redefines performance in its class with a 384×288 detector, a 25mm F1.0 lens, and a 2.5× base magnification. With its 10.5° (18.4m at 100m) 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°C, F# = 1.0).
- 25mm, F1.0 lens with thermal detection range up to 1200m
- AI-powered Image Pro 3.0 and Zoom Pro algorithms
- HIKMICRO Shutterless Imaging System (HSIS)
- 0.49-inch OLED display with 1920 × 1080 resolution
- 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

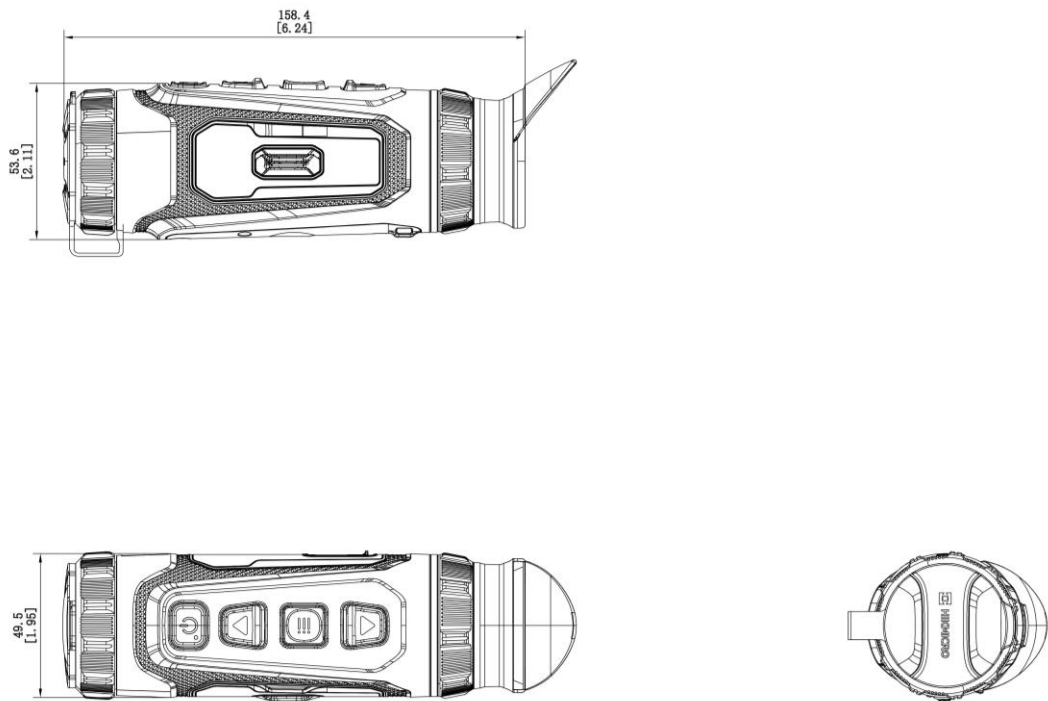
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384×288
Frame Rate	50Hz
Pixel Interval	12μm
Response Waveband	8μm to 14μm
NETD	Less than 15 mK (@25°C),F#=1.0
Lens (Focal Length)	25mm, f1.0
Focus Mode	Focus Ring
Detection Range	1200m
Min. Focusing Distance	3m
Magnification	2.5× - 20× (8×)
Field of View(H × V), Degrees / m @100m	10.5°×6.4°/18.4m×11.2m
Image Display	
Display	1920×1080, 0.49 inch, AMOLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	6mm
Eye Relief	20mm
Diopter (Range)	-5D to +3D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
Zoom Pro	Yes
HSIS (HIKMICRO Shutterless Image System)	Yes
Image Pro 3.0	Yes
Sync Pro	Yes
System	
Record Video	Yes
Capture Snapshot	Yes
Audio Recording	Yes
Standby Mode	Yes
Built-in Memory	Built-in EMMC (64 GB)
PIP	Yes
Hotspot	2.4 GHz/5 GHz Wi-Fi Waveband
Hot Track	Yes
Distance Measurement	Yes
Local Album	Yes
Power Supply	
Battery Type	Replaceable and Rechargeable Li-ion 18650 Battery
Battery Operating Time	5-hour continuous running with hotspot on (@25°C)
	4.5-hour continuous running with hotspot on (@-20°C)

Type-C Power Supply	5V DC, 2A Supports External Power Supply, Support Direct Charging
General	
Protection Level	IP67
Dimension	158.4 × 53.6 × 49.5mm
Weight	328.5g with battery
Working Temperature	From -30°C to 45°C (-22°F to 113°F); Humidity: 90% or Less

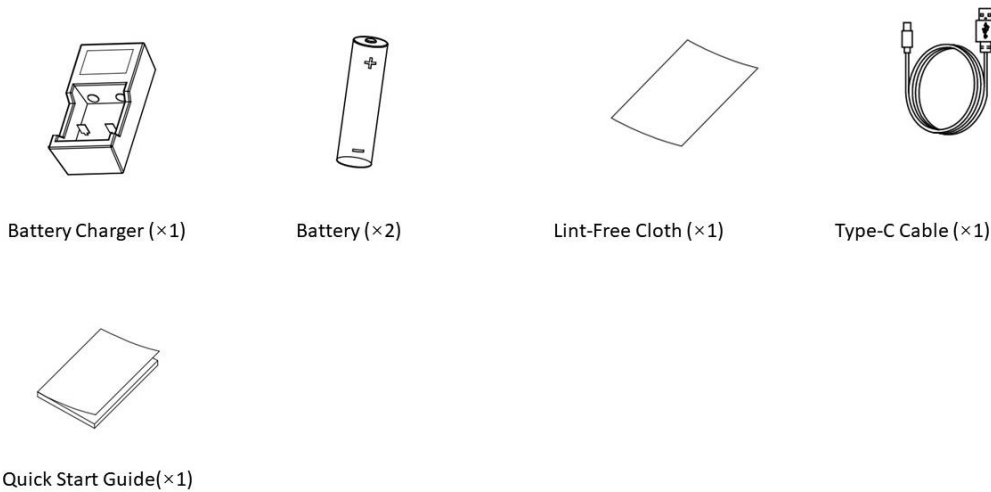
▪ Available Model

HM-TSF3-25Y1G/W1-LH25 3.0

▪ Dimension



▪ Accessory



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