

LH19 3.0

Thermal Monocular



With its 1.9x base magnification, 384x288 detector, and a 19mm F1.0 lens, the LH19 3.0 offers a versatile solution for demanding scenarios. It delivers a 13.8° (24.2 m at 100 m) wide field of view and a detection range of up to 900m, making it ideal for hunters and outdoor explorers who need a compact yet powerful device with shutterless imaging technology.

Key Feature

- High-sensitivity thermal module with NETD < 15 mK
- 19 mm, F1.0 lens with thermal detection range up to 900 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 331g, with a pocket-sized build

Specification

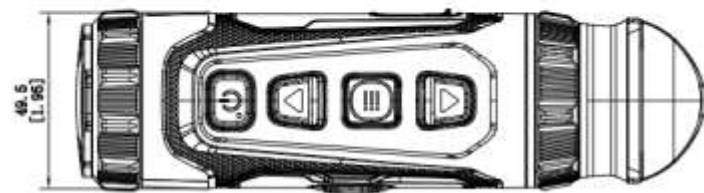
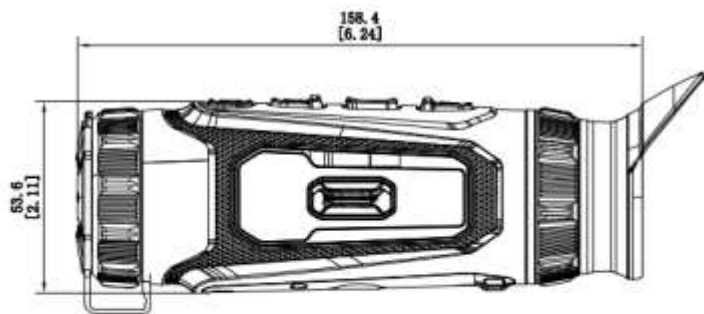
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 15 mK (@25°C), F#=1.0
Lens (Focal Length)	19 mm, F1.0
Focus Mode	Focus Wheel
Min. Focusing Distance	3 m
Magnification	1.9 × - 15.2 × (8 ×)
Field of View(H × V), Degrees / m @100 m	13.8° × 8.4°/24.2 m × 14.7 m
Detection Range	900 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	331 g with Battery

Available Model

HM-TSF3-19Y1G/W1-LH19 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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