

LH19 3.0

Thermal Monocular



With its 1.9× base magnification, 384 × 288 detector, and a 19 mm 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 900 m, 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 (@25°C, F# = 1.0).
- 19mm, F1.0 lens with thermal detection range up to 900 m
- 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 331g, with a pocket-sized build

• Specification

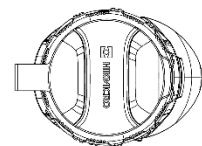
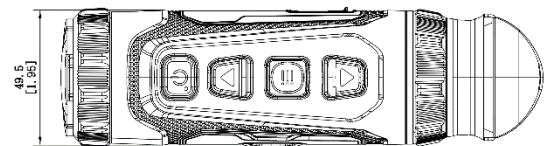
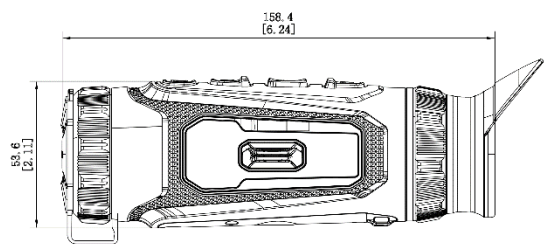
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 15 mK (@25°C), F#=1.0
Lens (Focal Length)	19 mm, f1.0
Focus Mode	Focus Ring
Detection Range	900 m
Min. Focusing Distance	3 m
Magnification	1.9× - 15.2× (8×)
Field of View(H × V), Degrees / m @100m	13.8° × 8.4°/24.2 m × 14.7 m
Image Display	
Display	1920 × 1080, 0.49 inch, AMOLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	6 mm
Eye Relief	20 mm
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
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, 2 A Supports External Power Supply, Support Direct Charging
General	
Protection Level	IP67
Dimension	158.4 × 53.6 × 49.5 mm
Weight	331g with battery
Working Temperature	From -30°C to 45°C (-22°F to 113°F); Humidity: 90% or Less

• Available Model

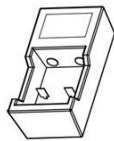
HM-TSF3-19Y1G/W1-LH19 3.0

• Dimension



Unit: mm [Inch]

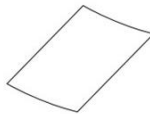
▪ Accessories



Battery Charger (×1)



Battery (×2)



Lint-Free Cloth (×1)



Type-C Cable (×1)



Quick Start Guide(×1)

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



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