LH35 3.0

Thermal Monocular

With a basic magnification of 3.4x, a 384x288 detector, and a 35mm F1.0 lens, the LH35 3.0 offers unparalleled performance for professional hunters and mid-to-long-range applications. Its 7.5° (13.1m at 100m) field of view and a detection range of up to 1800m ensure exceptional detail in vast, open spaces, making it the ultimate choice for serious users seeking premium quality with proven shutterless technology.

Key Feature

- High-sensitivity thermal module with NETD < 15 mK
- 35 mm, F1.0 lens with thermal detection range up to 1800 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℃
- Lightweight design at 354.5g, with a pocket–sized build

Specification

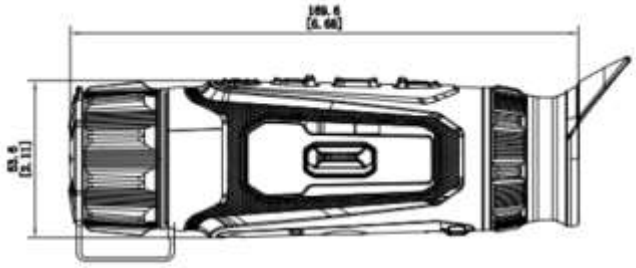
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 15 mK (@25°C), F#=1.0
Lens (Focal Length)	35 mm, F1.0
Focus Mode	Focus Wheel
Min. Focusing Distance	3.5 m
Magnification	3.4 × - 27.2 × (8 ×)
Field of View(H × V), Degrees / m @100 m	7.5° × 4.6°/13.1 m × 8.0 m
Detection Range	1800 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

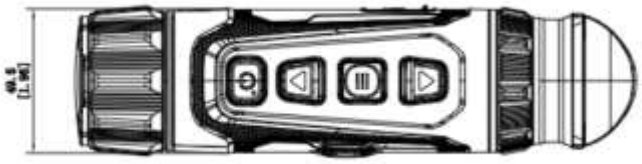
Power Supply	
Battery Type	Replaceable and rechargeable 18650 battery
Battery Operating Time	≥5h (@25°C, WiFi on) ≥4.5h (@-20°C, WiFi on)
Type-C Power Supply	5 V DC, 2 A Supports External Power Supply, Support Direct Charging
General	
Work Temperature/Humidity	From -30°C to 45°C (-22°F to 113°F); Humidity: 90% or Less
Protection Level	IP67
Dimension	169.6 x 53.6 x 49.5 mm
Weight	354.5 g with Battery

Available Model

HM-TSF3-35Y1G/W1-LH35 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.

HIKMICRO

HIKMICRO SIGHT

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BATTERY 1 YEAR

FULL PRODUCT 3 YEARS

DETECTOR 10 YEARS

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