

Product Datasheet - Technical Specifications



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LE10 3.0

Thermal Monocular



The LE10 3.0 is the ultimate-valued thermal monocular for close-range observation. Featuring a 256×192 thermal detector and a 9.7 mm F1.0 lens, it offers a 1.4× base magnification and an 18° field of view, with a detection range of up to 500 m. Compact, reliable, and lightweight, it is an excellent choice for quick and efficient use in tight spaces.

● Key Feature

- High-sensitivity thermal module with NETD<20 mK (@25°C, F# = 1.0).
- 9.7 mm, F1.0 lens with thermal detection range up to 500 m
- AI-powered Image Pro 3.0 algorithm
- HIKMICRO Shutterless Imaging System (HSIS)
- 0.39-inch OLED display with 1024×768 resolution
- Replaceable and rechargeable 18650 battery provides up to 5.5 hours of continuous operation at -20°C
- Lightweight design at 291.5 g, with a pocket-sized build

• Specification

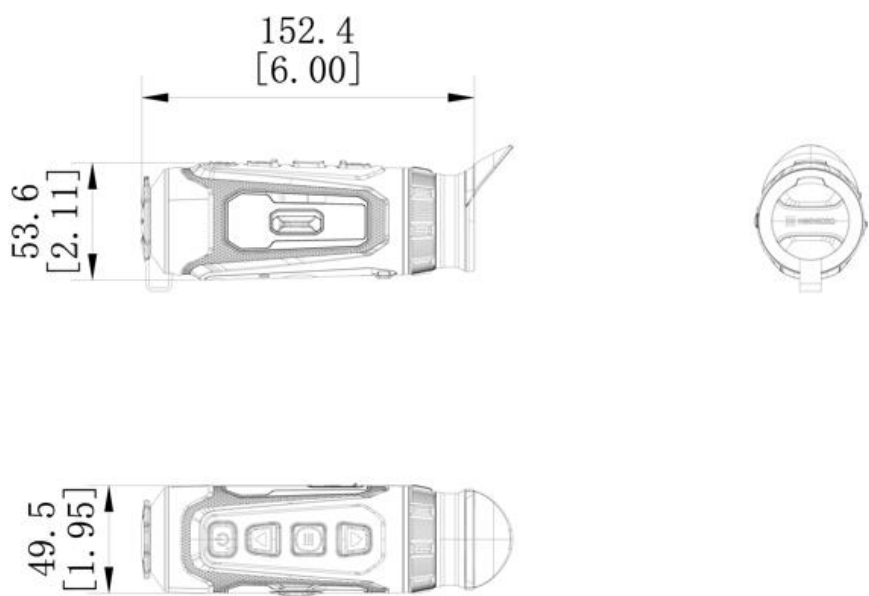
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	256×192
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 20 mK (@25°C),F#=1.0
Lens (Focal Length)	9.7 mm, f1.0
Focus Mode	Focus Free
Detection Range	500 m
Min. Focusing Distance	3.4 m
Magnification	1.4× - 11.2× (8×)
Field of View(H × V), Degrees / m @100m	18.0°×13.6°/31.7 m×23.8 m
Image Display	
Display	1024×768, 0.39-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	N/A
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	6-hour continuous running with hotspot on (@25°C) 5.5-hour continuous running with hotspot on (@-20°C)
Type-C Power Supply	DC 5V/2A Supports External Power Supply, Support Direct Charging
General	
Protection Level	IP67
Dimension	152.4×53.6×49.5 mm
Weight	291.5 g with battery
Working Temperature	From -30°C to 45°C (-22°F to 113°F); Humidity: 90% or Less

• Available Model

HM-TSF2-10Y1G/W1-LE10 3.0

• Dimension



Unit:mm[Inch]

▪ Accessories



Battery Charger (×1)



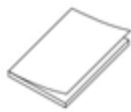
Battery (×2)



Lint-Free Cloth (×1)



Type-C Cable (×1)



Quick Start Guide(×1)

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