

Product Datasheet - Technical Specifications



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LE15S

Thermal Monocular



HIKMICRO LYNX S LE15S thermal monocular is equipped with a 256×192 infrared detector and an 800×600 OLED display. It supports functions of observation, distance measurement, hotspot, and so on. The high-sensitivity built-in thermal detector provides you with a clear view even in total darkness. The monocular is mainly applied to scenarios such as hunting, hiking, searching and rescuing, etc.

Key Feature

- 256×192 resolution, $12 \mu\text{m}$, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR
- NETD less than 35 mK ($@25^\circ\text{C}$, $F\# = 1.0$)
- 800×600 resolution 0.32-inch OLED display
- Built-in rechargeable lithium battery
- Up to 8 hours continuous running
- Support hotspot

Specification

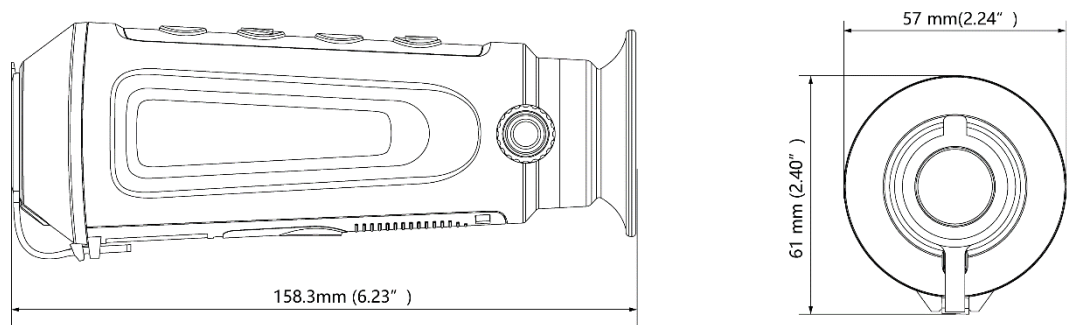
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	256 × 192
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 35 mK (@25°C), F# = 1.0
Lens (Focal Length)	15 mm, F1.0
Detection Range	750 m
Focus Mode	Focus Free
Min. Focusing Distance	10 m
Magnification	2.2× to 17.6× (8×)
Field of View(H × V), Degrees / m @100 m	11.7° × 8.8° / 20.5 m × 15.4 m
Image Display	
Display	800 × 600, 0.32-inch, OLED
Palettes	Black Hot, White Hot, Red Hot, Fusion
FFC (Flat Field Correction) Mode	Auto, Manual, External Correction
Exit Pupil	20 mm
Eye Relief	6 mm
Diopter (Range)	-5D to +4D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
System	
Record Video	Yes
Capture Snapshot	Yes
Audio Recording	Yes
Standby Mode	Yes
Storage	Built-in memory module (8 GB)
PIP	Yes
Hotspot	Yes
Hot Track	Yes
Distance Measurement	Yes
Power Supply	
Battery Type	Rechargeable Lithium Battery
Battery Operating Time	8 hours continuous running with hotspot function off (@25°C) 6 hours continuous running with hotspot function on (@25°C)
Type-C Power Supply	DC 5 V/2 A Supports External Power Supply

General	
Protection Level	IP67
Dimension	158.3 mm × 61 mm × 57 mm (6.23" × 2.40" × 2.24")
Working Temperature	- 20°C to 55°C (-4°F to 131°F)
Weight	280 g (0.62 lbs)

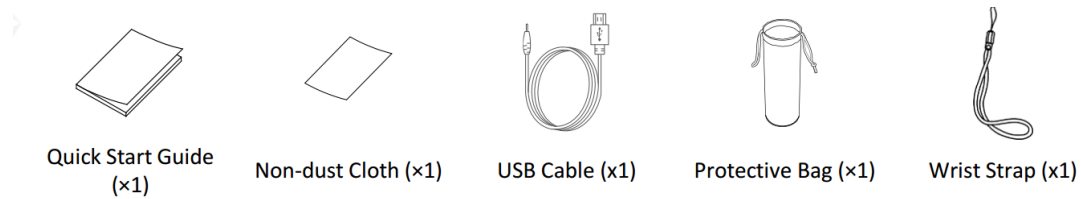
• Available Model

HM-TS02-15S1G/W-LE15S

• Dimension



• Accessories



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