



HQ35LN

Multi-Spectrum Binocular

HIKMICRO HABROK HQ35LN multi-spectrum binocular is equipped with a 640×512 @12 μm thermal detector and a 2560×1440 optical detector. With less than 20 mK NETD, which represents high thermal sensitivity, it ensures perfect image quality and detail recognition even in the hardest weather conditions. Its 1000 m Laser rangefinder can accurately measure the distance when you are stalking or observing under low-light conditions. It can be applied mainly in forest & field hunting, birding, animal searching, rescuing and marine scenarios.

Key Feature

- 640×512 resolution @12 μm thermal detector
- High sensitivity thermal module NETD < 20 mK (@25°C, F# = 1.0)
- 35 mm, F1.0 lens with thermal detection range up to 1800 m
- 2560×1440 high resolution CMOS detector
- 1920×1080 resolution 0.49-inch OLED display
- Built-in 940 nm IR illuminator and Laser Rangefinder of 1000 m measuring distance
- 6 h+ continuous operation
- 780 g lightweight, compact and ergonomic design

Specification

| Thermal Module | |
|--|---|
| Image Sensor | VOx Uncooled Focal Plane Arrays |
| Max. Resolution | 640 × 512 |
| 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) | 35 mm, F1.0 |
| Focus Mode | Focus Ring |
| Detection Range | 1800 m |
| Min. Focusing Distance | 3.5 m |
| Magnification | 3.0x to 24.0x (8x) |
| Field of View(H × V), Degrees/m @100 m | 12.5° × 10.1°/ 22.0 m × 17.6 m |
| Optical Module | |
| Image Sensor | 1.88" Progressive Scan CMOS |
| Max. Resolution | 2560 × 1440 |
| Focal Length | 31 mm, F1.2 |
| Min. Working Distance | 3 m |
| Min. Illumination | 0.001 lux @ (F1.0 , AGC On) |
| Focus Mode | Focus Ring |
| Magnification | 2.9x to 23.2x (8x) |
| Field of View (H × V), Degrees/m @100 m | 13.9° × 7.8°/24.4 m × 13.6 m |
| Smart IR | Yes |
| Viewing Range at Night | 350 m |
| Image Display | |
| Display | 0.49 inch, OLED, 1920 × 1080 |
| Palettes | Thermal: Black Hot, White Hot, Red Hot, Fusion; Optical: Day, Night, Auto |
| FFC (Flat Field Correction) Mode | Auto, Manual, External Correction |
| Exit Pupil | 8 mm |
| Eye Relief | 15 mm |
| Diopter (Range) | -5 D to +3 D |
| Brightness Adjustment | Yes |
| Tone Adjustment | Cold, warm |
| Contrast Adjustment | Yes |
| Zoom Pro | Yes |

| System | |
|---------------------------------|--|
| Record Video | Yes |
| Capture Snapshot | Yes |
| Audio Recording | Yes |
| Standby Mode | Yes |
| Storage | Built-in EMMC (64 GB) |
| PIP | Yes |
| Hotspot | Yes |
| Hot Track | Yes |
| Digital Magnetic Compass | Yes |
| GPS | Yes |
| Local Album | Yes |
| Power Supply | |
| Battery Type | Replaceable and Rechargeable Li-ion Battery |
| Battery Operating Time | ≥6 h (25°C, with hotspot off) |
| Type-C Power Supply | 5 V DC, 2 A Supports External Power Supply |
| General | |
| Protection Level | IP67 |
| Dimension | 138.2 mm × 68.4 mm × 212.4 mm (5.4" × 2.7" × 8.4") |
| Weight | 780 g without batteries |
| Working Temperature | -30°C to +55°C |
| Interpupillary Adjustment Range | 60 mm to 70 mm |
| Mounting Adapter | 1/4"-20-UNC |
| Laser Rangefinder | |
| Safety Class for Laser | Class 1 |
| Wavelength | 905 nm |
| Max. Measuring Range | 1000 m |
| Measurement Accuracy | ±1 m |
| Min. Measuring Range | 10 m |
| Infrared Illuminator | |
| Emitter | LED |
| IR Wavelength | 940 nm |
| Beam Angle | Adjustable 7.6 to 11.5° |

• Available Model

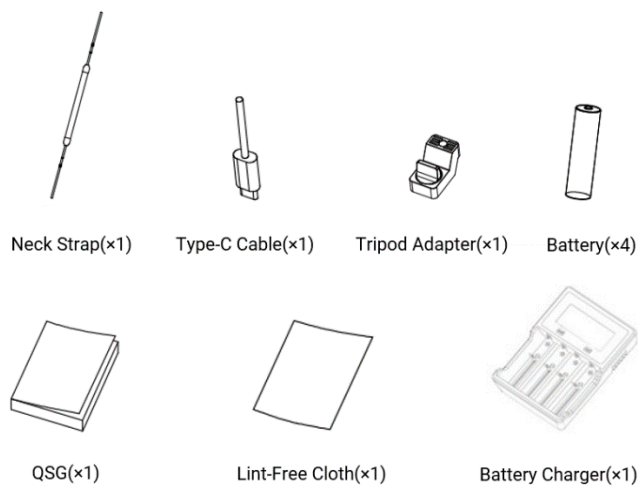
HM-TS76-35S2G/WLVN-HQ35LN


Dimension



Unit: mm [Inch]

Accessories





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