HIKMICRO

# CQ35L

# Thermal Monocular

HIKMICRO CONDOR CQ35L thermal monocular is equipped with a 640 × 512 @12 um infrared detector and a 1024 × 768 OLED display. 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 hunting, birding, animal searching, adventuring, and recusing scenario.

## Key Feature

- High sensitivity thermal module NETD < 20 mK (@25°C, F# = 1.0)
- 640 × 512 resolution with 12 μm detector
- 1024 × 768 resolution 0.39-inch OLED display
- Advanced image processing technology
- Image Pro for enhancing detail recognition
- Zoom Pro for digital zooming without loss of picture quality
- Replaceable and rechargeable Li-ion battery
- Up to 4 hours of continuous operation
- 400 g lightweight, with a compact and ergonomic design

# Specification

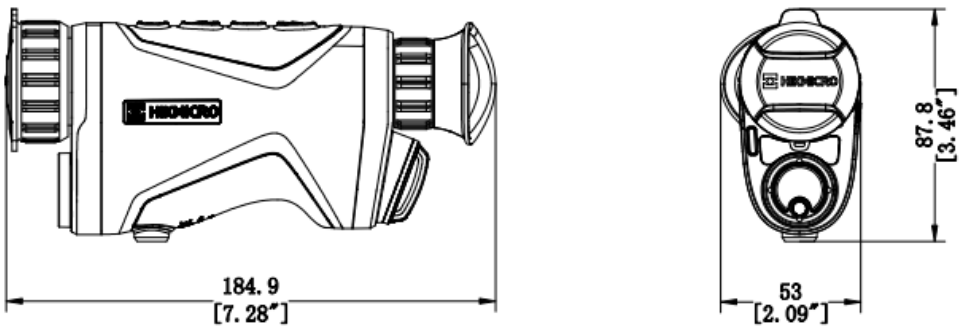
| | |
|---|---|
| **Thermal Module** | |
| Image Sensor | VOx Uncooled Focal Plane Arrays |
| Max. Resolution | 640 × 512 |
| Frame Rate | 50 Hz |
| Pixel Interval | 12 μm |
| Response Waveband | 8 μm to 14 μm |
| NETD | Less than 20 mK (@25°C), F# = 1.0 |
| Lens (Focal Length) | 35 mm, f1.0 |
| Focus Mode | Focus Ring |
| Detection Range | 1800 m |
| Min. Focusing Distance | 3.5 m |
| Magnification | 2.0× to 16.0× (8×) |
| Field of View(H × V), Degrees / m @100 m | 12.5° × 10.0°/21.9 m × 17.5 m @ 100 m |
| **Image Display** | |
| Display | 1024 × 768, 0.39 inch, OLED |
| Palettes | Black Hot, White Hot, Red Hot, Fusion |
| FFC (Flat Field Correction) Mode | Auto, Manual, External Correction |
| Exit Pupil | 4 mm |
| Eye Relief | 15 mm |
| Diopter (Range) | -5 D to +3 D |
| Brightness Adjustment | Yes |
| Tone Adjustment | Cold, Warm |
| Contrast Adjustment | Yes |
| Image Pro | Yes |
| Zoom Pro | Yes |
| **System** | |
| Record Video | Yes |
| Capture Snapshot | Yes |
| Audio Recording | Yes |
| Standby Mode | Yes |
| Storage | Yes |
| PIP | Yes |
| Hotspot | Yes |
| Hot Track | Yes |
| Distance Measurement | Yes |

| | |
|---|---|
| **Power Supply** | |
| Battery Type | Replaceable and Rechargeable Li-ion Battery |
| Battery Operating Time | 4-hour continuous running with CVBS and hotspot function off (@25°C) |
| Type-C Power Supply | 5 VDC, 2 A<br>Supports External Power Supply |
| **General** | |
| Protection Level | IP67 |
| Dimension | 184.9 mm × 53 mm × 87.8 mm (7.28" × 2.09" × 3.46") |
| Weight | 400 g without battery |
| Working Temperature | -30°C to +55°C |
| **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 |

## · Available Model

HM-TS66-35QG/WL-CQ35L

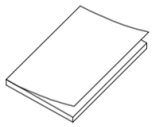
## · Dimension



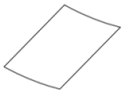

Unit: mm

## · Accessories

Protective Bag (x1)

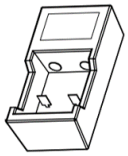


Quick Start Guide (x1)



Non-dust Cloth (x1)

USB Cable (x1)



Charger (x1)

Cell (x3)

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HIKMICRO SIGHT

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BATTERY 1 YEAR

FULL PRODUCT 3 YEARS

DETECTOR 10 YEARS

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