

# CH25L

## Thermal Monocular



HIKMICRO CONDOR CH25L thermal monocular is equipped with a 384 × 288 @ 12 μm 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)
- 384 × 288 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 4.5 hours of continuous operation
- 386 g lightweight, with a compact and ergonomic design

# Specification

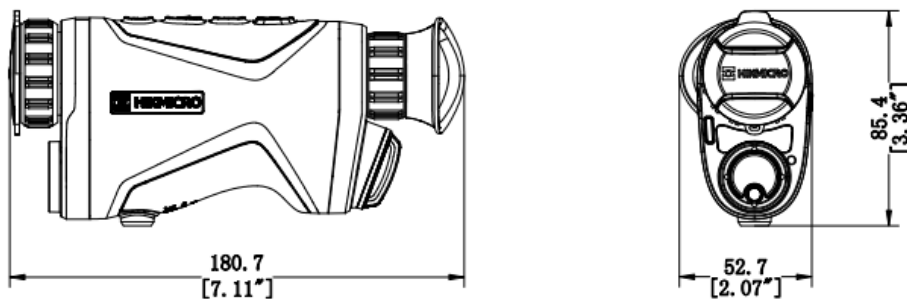
| Thermal Module                           |                                       |
|--|---------------------------------------|
| Image Sensor                             | VOx Uncooled Focal Plane Arrays       |
| Max. Resolution                          | 384 × 288                             |
| Frame Rate                               | 50 Hz                                 |
| Pixel Interval                           | 12 μm                                 |
| Response Waveband                        | 8 μm to 14 μm                         |
| NETD                                     | Less than 20 mK (@25°C), F# = 1.0     |
| Lens (Focal Length)                      | 25 mm, f1.0                           |
| Focus Mode                               | Focus Ring                            |
| Detection Range                          | 1200 m                                |
| Min. Focusing Distance                   | 2.5 m                                 |
| Magnification                            | 2.5× to 20.0× (8×)                    |
| Field of View(H × V), Degrees / m @100 m | 10.5° × 7.9°/18.3 m × 13.8 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                                  | Built-in EMMC (64 GB)                 |
| PIP                                      | Yes                                   |
| Hotspot                                  | Yes                                   |
| Hot Track                                | Yes                                   |
| Distance Measurement                     | Yes                                   |

| Power Supply           |  |
|------------------------|--|
| Battery Type           | Replaceable and Rechargeable Li-ion Battery  |
| Battery Operating Time | 4.5-hour continuous running with CVBS and hotspot function off (@25°C, one provided battery)<br>6 hours of operation (LRF & hotspot on, @25°C, three provided batteries) |
| Type-C Power Supply    | 5 VDC, 2 A<br>Supports External Power Supply   |
| General                |  |
| Protection Level       | IP67   |
| Dimension              | 180.7 mm × 52.7 mm × 85.4 mm (7.11" × 2.07" × 3.36")   |
| Weight                 | 386 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-TS63-25QG/WL-CH25L

## ▪ Dimension

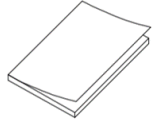


Unit: mm

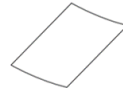
## ▪ Accessories



Protective Bag (x1)



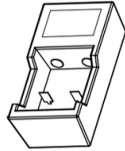
Quick Start Guide (x1)



Non-dust Cloth (x1)



USB Cable (x1)



Charger (x1)



Cell (x3)

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