

# SH35L 3.0

## Thermal Scope



HIKMICRO STELLAR SH35L 3.0 Thermal Scope is equipped with a  $384 \times 288 @12 \mu\text{m}$  thermal detector, with much higher sensitivity ( $\text{NETD} < 15 \text{ mK}$ ) and the latest image processing algorithm (Image Pro 2.0) and shutterless system (HSIS), ensuring users catch the finest details no matter the weather or light conditions without interruption. With a  $2560 \times 2560$  1.03" OLED larger display, SH35L 3.0 makes it easier to spot targets quickly and accurately. The built-in 1000 m LRF and ballistic calculation contribute to more accurate shooting. The scope is mainly used for field and forest hunting.

## Key Feature

- $384 \times 288$  resolution  $@12 \mu\text{m}$  thermal detector
- High sensitivity thermal module  $\text{NETD} < 15 \text{ mK}$  ( $@25^\circ\text{C}$ ,  $F\# = 1.0$ )
- 35 mm, F1.0 lens with detection range up to 1800 m
- $2560 \times 2560$  resolution 1.03-inch OLED display
- HIKMICRO Shutterless Image System (HSIS)
- Built-in laser rangefinder up to 1000 m, with ballistic calculation
- Rechargeable internal batteries and external battery, 9h continuous operation
- High shock resistance up to 1000 g/0.4 ms

# Specification

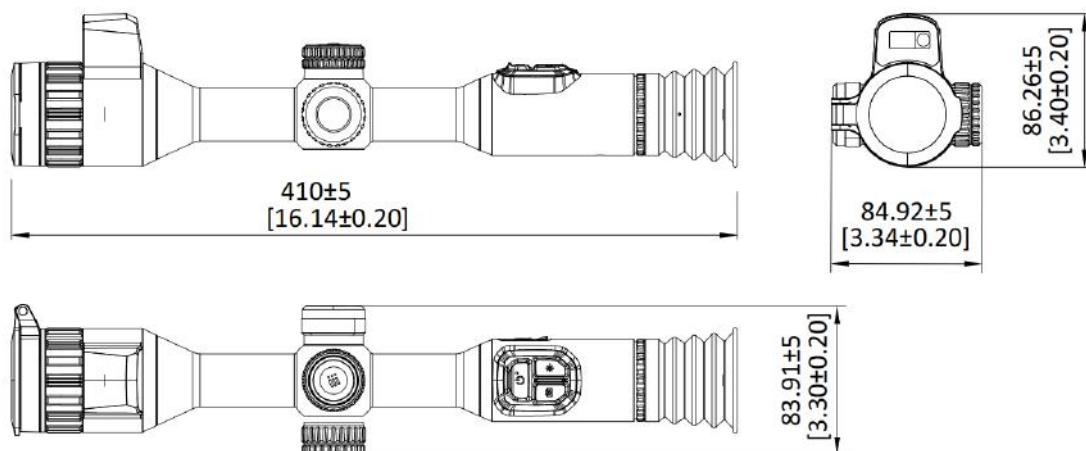
| Thermal Module                              |   |
|---|---|
| Image Sensor                                | VOx Uncooled Focal Plane Arrays   |
| Max. Resolution                             | 384 × 288   |
| Frame Rate                                  | 50 Hz   |
| Pixel Interval                              | 12 μm   |
| Response Waveband                           | 8 μm to 14 μm   |
| NETD  | Less than 15 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 m   |
| Magnification                               | 4.2× to 24.2×<br>Support 1× step value of continuous zooming            |
| Field of View(H × V),<br>Degrees / m @100 m | 7.5° × 5.7°/13.1 m × 10.0 m   |
| Image Display                               |   |
| Display                                     | 2560 × 2560, 1.03-inch OLED   |
| Palettes                                    | Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome |
| Exit Pupil                                  | 6 mm  |
| Eye Relief                                  | 45 mm   |
| Diopter (Range)                             | -4D to 4D   |
| Brightness Adjustment                       | Yes   |
| Tone Adjustment                             | Cold, Warm  |
| Contrast Adjustment                         | Yes   |
| Zoom Pro                                    | Yes   |
| Image Pro 2.0                               | Yes   |
| HSIS (HIKMICRO Shutterless<br>Image System) | Yes   |
| System                                      |   |
| Record Video                                | On-board Video Recording  |
| Capture Snapshot                            | Yes   |
| Audio Recording                             | Yes   |
| Recoil-activation Recording                 | Yes   |
| Standby Mode                                | Yes   |
| Storage                                     | Built-in EMMC (64 GB)   |
| PIP   | Yes   |
| Hotspot                                     | Yes   |
| Hot Track                                   | Yes   |
| Distance Measurement                        | Yes   |
| Zeroing Profiles                            | 5   |

|                          |   |
|--------------------------|---|
| Max. Recoil              | 1000 g/0.4 ms   |
| Freeze Zeroing           | Yes   |
| Local Album              | Yes   |
| Ballistic Calculation    | Yes   |
| <b>Power Supply</b>      |   |
| Battery Type             | Two rechargeable Lithium batteries (internal), one replaceable and rechargeable 18650 battery (external)  |
| Battery Operating Time   | 9 hours continuous running (@25°C, Zoom Pro, LRF on)  |
| Type-C Power Supply      | DC 5 V/2 A, USB Type-C interface<br>Supports QC3.0<br>* Only the built-in battery will be charged via the type-C cable. Use the battery charger to charge the external battery. |
| <b>General</b>           |   |
| Mounting                 | Standard 30 mm  |
| Protection Level         | IP67  |
| Dimension                | 410 mm × 85 mm × 86.3 mm  |
| Working Temperature      | -30°C to 55°C (-22°F to 131°F)  |
| Weight                   | 830 g without external battery  |
| Center Height            | 32 mm   |
| <b>Laser Rangefinder</b> |   |
| 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

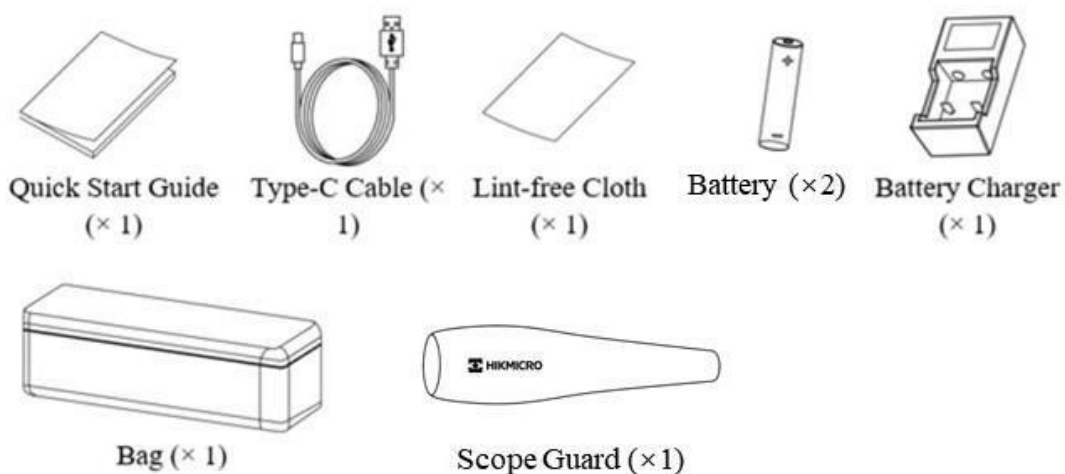
HM-TR83-35S2G/WL-SH35L 3.0

## • Dimension



Unit: mm[inch]

## • Accessories



COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



Hikmicro Hunting.Global HIKMICRO Outdoor [www.hikmicrotech.com](http://www.hikmicrotech.com) hikmicro hunting.global HIKMICRO [info@hikmicrotech.com](mailto:info@hikmicrotech.com)

Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang  
© Hangzhou Microimage Software Co., Ltd. All rights reserved. | Data subject to change without notice!