

NH35L

Thermal Scope



HIKMICRO NEOS NH35L Thermal Image Scope is equipped with a 384×288 @12μm (NETD < 18mK) thermal detector. Its advanced Image Pro 3.0 algorithm, shutterless system (HSIS) and Sync Pro algorithm ensures users catch seamless and detailed image with lower latency. With a 0.49" AMOLED larger display, NH35L offers immersive viewing experience. The laser rangefinder and ballistic calculation contribute to more accurate shooting.

Key Feature

- High sensitivity thermal module NETD < 18 mK (@25°C, F# = 1.0)
- HIKMICRO Shutterless Image System (HSIS) & Zoom Pro
- 0.49" AMOLED large display
- 570 g lightweight, with a compact and ergonomic design
- 1000 m laser rangefinder with ballistic calculation
- 1-second quick start-up
- 8-hour operation time
- Quick zeroing on Sight app

Specification

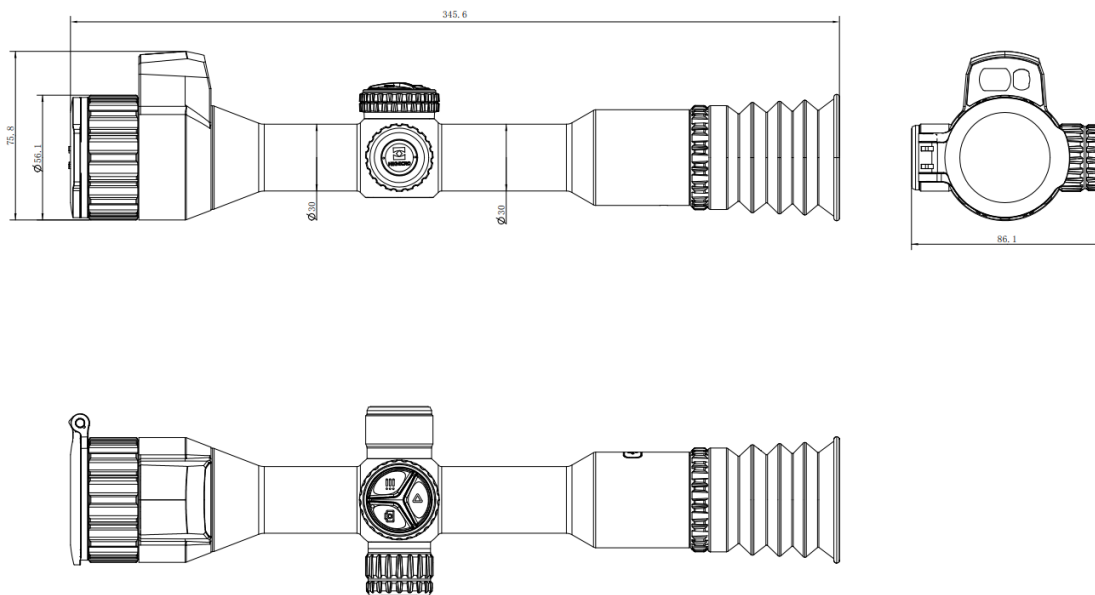
Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 18 mK (@25°C, F# = 1.0)
Lens (Focal Length)	35 mm, F1.0
Focus Mode	Focus Ring
Detection Range	1800 m
Min. Focusing Distance	3 m
Magnification	3.2× - 25.6×
Field of View(H × V), Degrees / m @100m	7.6° × 5.7°/ 13.1 m × 10.0 m
Image Display	
Display	0.49-inch AMOLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	8 mm
Eye Relief	55 mm
Diopter (Range)	-4D to 4D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
Zoom Pro	Yes
HSIS (HIKMICRO Shutterless Image System)	Yes
Image Pro 3.0	Yes
Sync Pro	Yes
System	
Record Video	On-board Video Recording
Capture Snapshot	Yes
Hotspot	Yes
Standby Mode	Yes
Storage	Built-in EMMC (64 GB)
PIP	Yes
Local Album	Yes
Audio Recording	Yes
Recoil-activation Recording	Yes
Freeze Zeroing	Yes
Max. Recoil	1000 g/0.4 ms

Zeroing Profiles	5
Ballistic Calculation	Yes
Click Value	1 click = 1cm @ 100 m
Distance Measurement	Yes
Power Supply	
Battery Type	One Rechargeable Lithium Battery (Internal), One Replaceable and Rechargeable 18650 Battery (External)
Battery Operating Time	8 hours continuous running (@25°C, Zoom Pro, LRF on)
Type-C Power Supply	5 V DC/2 A, USB Type-C interface Supports QC3.0 * Only the built-in battery will be charged via the type-C cable. Use the battery charger to charge the external battery.
General	
Protection Level	IP67
Mounting	Standard 30 mm
Dimension	345.6 mm × 86.1 mm × 75.8 mm
Working Temperature	-30 °C to 55 °C (-22 °F to 131°F)
Weight	570 g
Center Height	32 mm
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

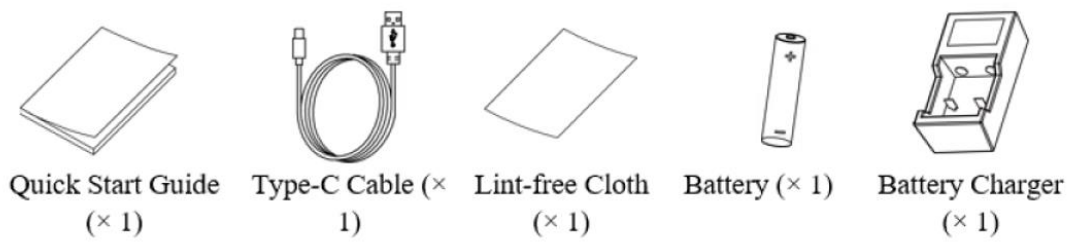
HM-TR33-35Y1G/W1L-NH35L

▪ Dimension



Unit: mm

▪ **Accessories**



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HIKMICRO SIGHT



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