TX70CL 4.0
Thermal Clip-On



HIKMICRO THUNDER TX70CL 4.0 features a high-sensitivity 1280×1024 thermal detector with a NETD of less than 12 mK. Its 70 mm F1.3 lens and Image Pro 4.0 capture fine details at extended distances. The upgraded 1200 m LRF, HSIS, and Sync Pro deliver precision-focused performance, while its compact design keeps the setup streamlined.

· Key Feature

- 1280×1024 resolution @12 μm thermal detector
- High sensitivity thermal module NETD<12 mK (@25°C, F# = 1.0)
- 70 mm, F1.3 lens with detection range up to 3500 m
- 1920×1080 resolution 0.49-inch AMOLED display
- Built-in lens laser rangefinder up to 1200 m
- HIKMICRO Shutterless Image System (HSIS) + Sync Pro
- Rechargeable and replaceable Li-ion battery, 5h continuous operation
- High shock resistance up to 6000J
- HIKMICRO Image Pro 4.0
- 1 MOA guaranteed precision

· Specification

Thermal Module	
Image Sensor	Uncooled Focal Plane Arrays
Max. Resolution	1280×1024
Frame Rate	50 Hz
Pixel Interval	12 μm
Response Waveband	8 μm to 14 μm
Lens (Focal Length)	70 mm, F1.3
NETD	Less than 12 mK (25°C, F# = 1.0)
Focus Mode	Focus Knob
Detection Range	3500 m
Min. Focusing Distance	10 m
Magnification	1×
Field of View(H×V), Degrees / m @100 m	12.8°×10.3°/22.4 m×18 m
Recommended Magnification of the Day Scope	1-15×
Magnification of Monocular Mode	2.4×-19.2× (8×)
Image Display	
Display	1920×1080, 0.49-inch, AMOLED
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red monochrome, Green monochrome
Exit Pupil	25 mm
Image Pro 4.0	Yes
Eye Relief	20 mm
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
HSIS (HIKMICRO Shutterless Image System)	Yes
Sync Pro	Yes
System	
Record Video	On-board Video Recording
Capture Snapshot	Yes
Virtual Reticle	Yes
Standby Mode	Yes
Storage	Built-in EMMC (64 GB)
Hotspot	Yes
Reticle	No
Recoil-activation Recording	Yes
Audio Recording	Yes

Max. Recoil	6000J
Local Album	Yes
Image Calibration	Yes
Zeroing Profiles	5
Power Supply	
Battery Type	Two HM-3840DC rechargeable Lithium batteries
Battery Operating Time	≥5h (25°C, with hotspot off and LRF on)
Type-C Power Supply	DC 5V/2A Supports External Power Supply Supports Direct Charging
General	
Protection Level	IP67
Dimension	135 mm×82 mm×81 mm
Weight	575 g with battery
Working Temperature	-30°C to +50°C (-22°F to +122°F)
Body Material	Body & Lens Cover: Magnesium Alloy
Center Height	31 mm
Laser Rangefinder	
Safety Class for Laser	Class 1
Wavelength	905 nm
Max. Measuring Range	1200 m
Measurement Accuracy	±1 m: <400 m ±0.3 m: >400 m
Min. Measuring Range	10 m
LRF Module in Lens	Yes

· Available Model

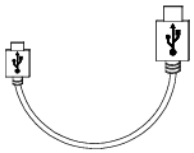
HM-TRAC-70Y3G/WL1-TX70CL 4.0

HM-TRAC-70Y3G/WL-TX70CL 4.0

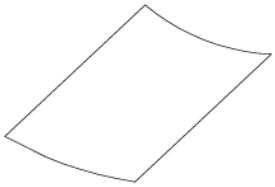
· Dimension



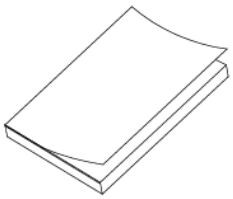
Battery Charger (×1)



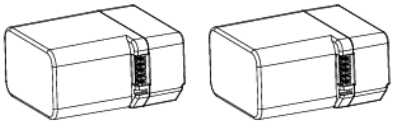
USB Type-C Cable (×1)



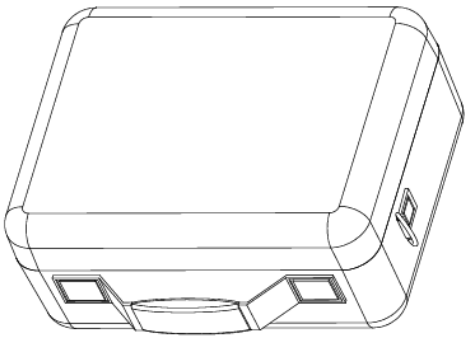
Lint-free Cloth (×1)



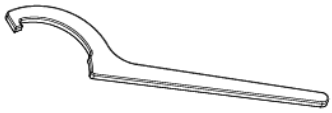
Quick Start Guide (×1)



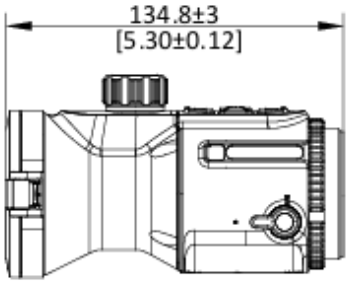
Batteries (×2)

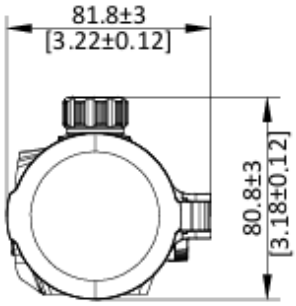


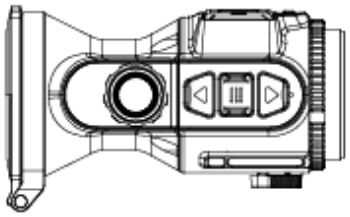
Carrying Case (×1)



Wrench (×1)







Unit: mm [inch]

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HIKMICRO SIGHT

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DETECTOR 10 YEARS

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