




HIKMICRO HM-TR13-35XF Thermal Image Scope User Guide

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HIKMICRO HM-TR13-35XF Thermal Image Scope



HikMicro HM-TR13-35XF/CW-TH35C Thermal Image Scope has 384 × 288 thermal detector and 748 × 561 OLED monitor, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust,

rain, snow, wood, camouflage, etc. The scope is mainly applied to scenarios such as patrolling, and hunting, etc.

Key Features

- 384 × 288 thermal resolution, high sensitivity detector, NETD less than 35 mk (25 °C,F#=1.0)
- Image processing technology: Adaptive AGC, DDE, 3D DNR
- 748 × 561 resolution 0.39-inch OLED display
- Supports distance measurement, and hotspot function
- Supports video recording and snapshot, built-in EMMC (16 GB)
- Supports digital zoom and cursor function, palettes of color adjustable
- Up to 4.5 hours continuous working

Specification

Thermal Module	
Image Sensor	Uncooled Focal Plane Arrays
Pixel Interval	17 μm
Max. Resolution	384 × 288
Response Waveband	8 μm to 14 μm
NETD	less than 35 mk (25 °C,F#=1.0)
Lens (Focal Length)	35 mm
IFOV	0.49 mrad
Field of View	10.0° × 8°
F Number	F1.0

Frame Rate	50 Hz
Magnification	1X
Image Display	
Monitor	0.39-inch, OLED, 748 × 561
Palettes	Black hot, white hot, red hot, fusion
Exit Pupil	22 mm
Eye Relief	10 mm
Observation Distance	Max. 1235 m
Contrast Adjustment	Yes
Brightness Adjustment	Yes
System	
Digital Zoom	1X, 2X, 4X, 8X
Cursor	Yes
Hotspot	Yes

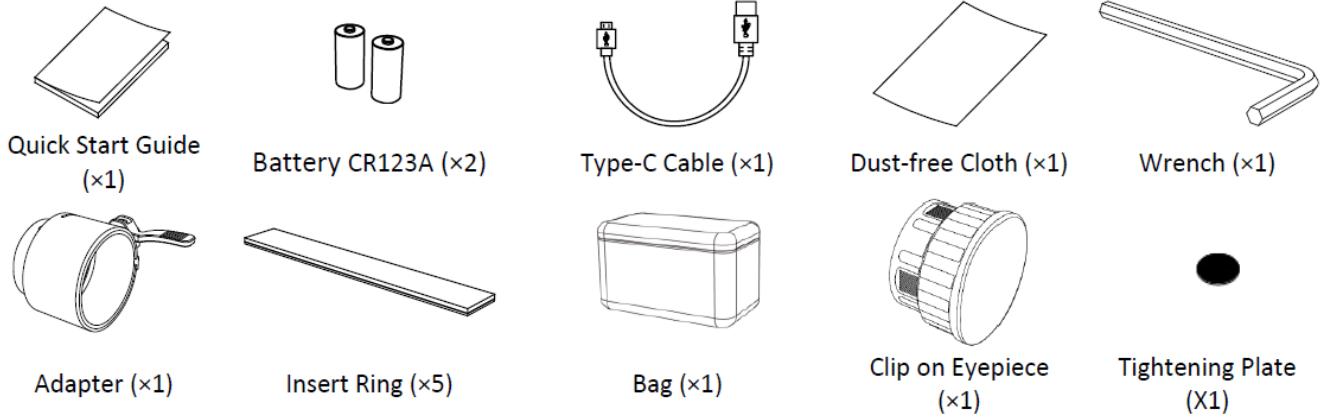
Distance Measurement	Yes
Scene Mode	Jungle, Recognition
Standby mode	Yes
Video Recording	Yes
Picture Snapshot	Yes
DPC	Yes
PIP	Yes
Uniformity Correction	Auto, Manual, External Correction
Storage	Built-in EMMC (16 GB)
Power Supply	
Battery	Replaceable Applicable type: CR123A, RCR123A
Battery Operating Time	4.5 h (25 °C, with hotspot off) 4 h (25 °C, with hotspot on)
Anti-reverse battery connection	Yes

Overvoltage Protection	Yes
Battery Capacity Display	Yes
Type-C Power Supply	5 VDC, 2 A Supports external power supply
General	
Port	Type-C
Working Temperature	-20 °C to 55 °C (-4 °F to 131°F)
Protection Level	IPX7
Shock Absorption Design	Yes
Vibration & Shock	750 g/1 ms
Transfer Ring Type	50-59 mm
Dimension (L × W × H)	153.2 mm × 62.5 mm × 59.2 mm (6.03" × 2.46" × 2.33")
Weight	0.42 kg (0.93 lb) without eyepiece and batteries

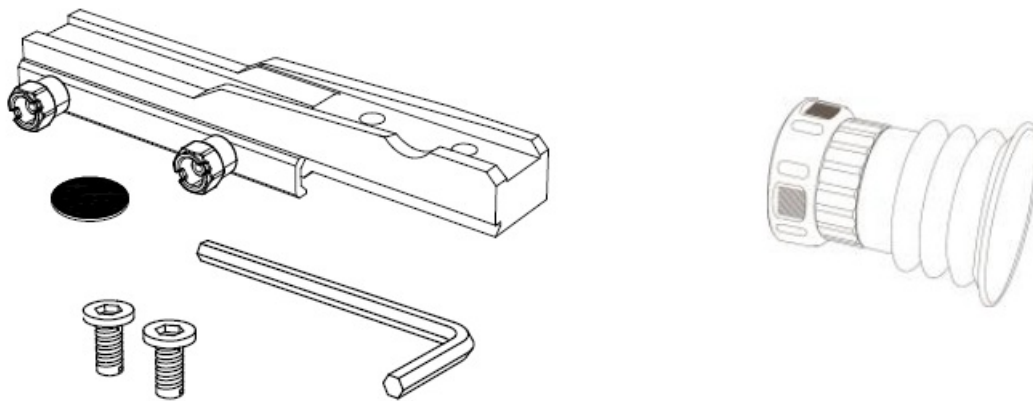
Available Model

HM-TR13-35XF/CW-TH35C

Accessory

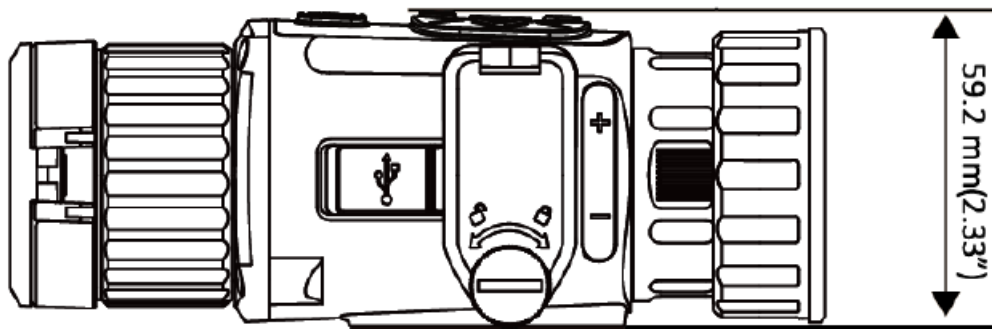
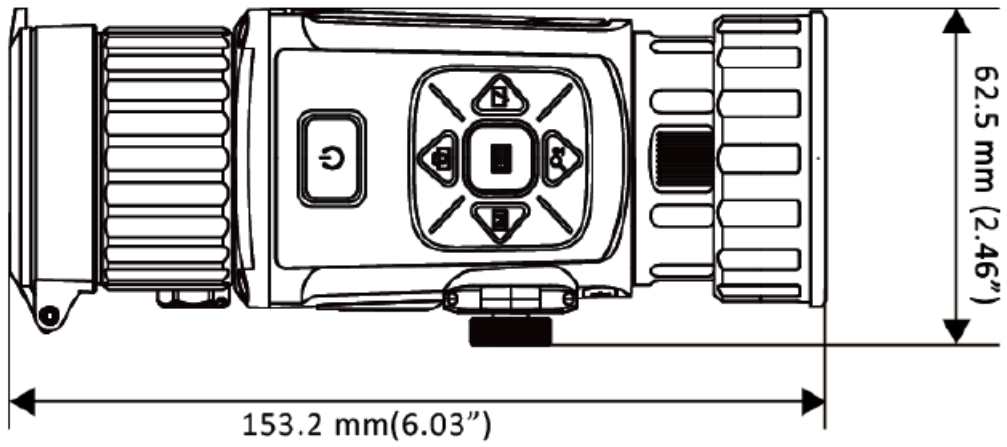


Optional



- Rail System Rail (×1) Tightening Plate (×1) Screws (×2) Wrench (×1)
- Eyepiece of Scope (×1)

Dimension



Documents / Resources



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