



THUNDER TQ35 2.0

Thermal Image Scope

HIKMICRO THUNDER TQ35 2.0 Thermal Image Scope has a 640 × 512 thermal detector and a 1024 × 768 OLED display. High thermal sensitivity ensures perfect detail recognition even in the hardest weather conditions when the object and background are with minimal temperature difference. With an extended operation time, the scope is mainly applied to scenarios such as hiking, hunting, searching and rescuing.

Key Features

- 640× 512 resolution with 12 μm sensor
- High sensitivity thermal module NETD ≤ 20 mK (25°C, F# = 1.0)
- 1024 × 768 resolution 0.39-inch OLED display
- Supports image brightness and tone adjustment
- Up to 6.5 hours of continuous operation
- Replaceable and rechargeable Li-ion battery
- Supports audio and recoil-activated recording
- High shock resistance up to 1000 g/0.4 ms
- Observation Distance up to 1800 m

Specification

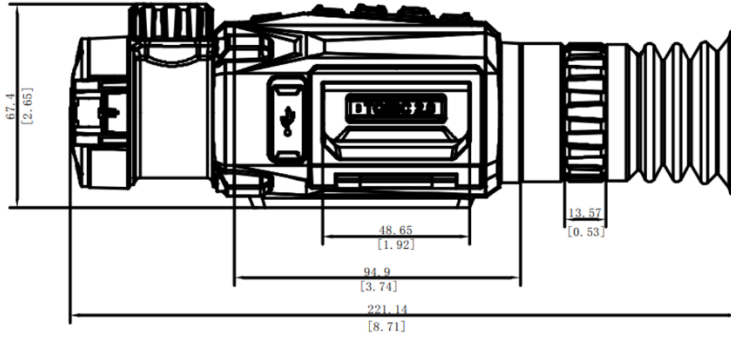
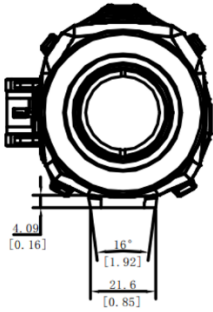
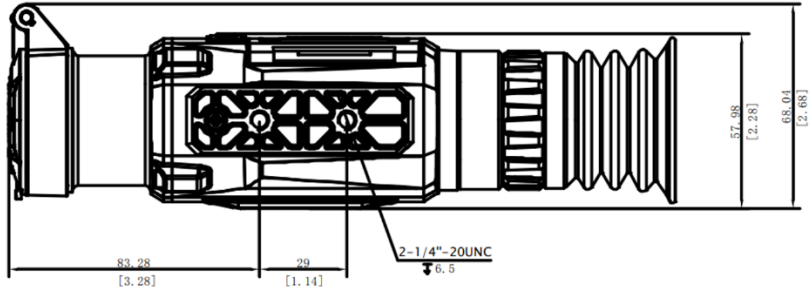
THERMAL MODULE	
IMAGE SENSOR	Uncooled Focal Plane Arrays
MAX. RESOLUTION	640 × 512
FRAME RATE	50 Hz
PIXEL INTERVAL	12 μm
NETD	less than 20 mK (25°C, F# = 1.0)
LENS (FOCAL LENGTH)	35 mm
FOCUS KNOB	Yes
DETECTION RANGE	1800 m
MIN. FOCUSING DISTANCE	2 m
APERTURE	F1.0
MAGNIFICATION	1.82 ×
FIELD OF VIEW(H × V), DEGREES/M @100 M	12.52° × 10.03°/21.94 m × 17.55 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	6 mm
EYE RELIEF	45 mm
DIOPTER (RANGE)	-5 D to 5 D
BRIGHTNESS ADJUSTMENT	Yes
TONE ADJUSTMENT	Cold, Warm
SYSTEM	
RECORD VIDEO	On-board video recording
CAPTURE SNAPSHOT	Yes
DIGITAL ZOOM	1x, 2x, 4x, 8x
STANDBY MODE	Yes
STORAGE	Built-in EMMC (16 GB)
PIP	Yes
DPC	Yes

HOTSPOT	Yes
HOT TRACK	Yes
DISTANCE MEASUREMENT	Yes
RECOIL-ACTIVATION RECORDING	Yes
AUDIO RECORDING	Yes
MAX. RECOIL	1000 g/0.4 ms
POWER SUPPLY	
BATTERY TYPE	Replaceable and Rechargeable Li-ion Battery
BATTERY OPERATING TIME	≥ 6.5 h (25°C, with hotspot off)
TYPE-C POWER SUPPLY	5 VDC, 2 A Supports external power supply
GENERAL	
PROTECTION LEVEL	IP67
DIMENSION	221.14 mm × 67.4 mm × 68.04 mm
WEIGHT	515 g without battery
WORKING TEMPERATURE	-30°C to +55°C (-22°F to 131°F)

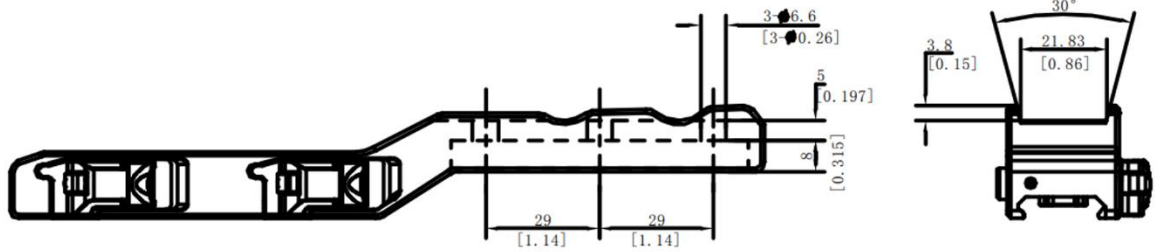
Available Model

HM-TR56-35S1G/W-TQ35 2.0

Dimension

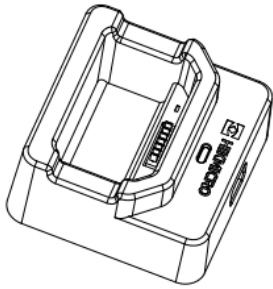


Unit: mm [Inch]

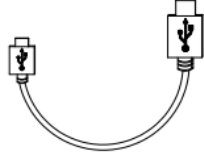


Unit: mm [Inch]

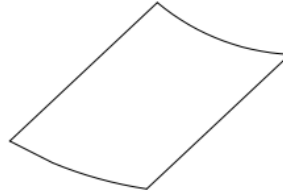
Accessories



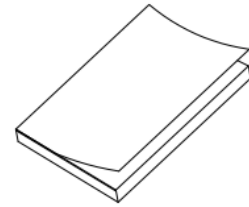
Battery Charger (x1)



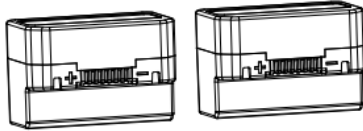
Type-C Cable (x1)



Lint-free Cloth (x1)



Quick Start Guide (x1)



Battery (x2)



Bag (x1)

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This section promotes the HIKMICRO SIGHT mobile application. On the left is the app's icon, which consists of a black square with a white stylized 'H' and a green eye-like shape. Next to it is a smartphone displaying the app's interface. To the right are two QR codes for downloading the app. Above the left QR code is the "Download on the App Store" logo, and above the right QR code is the "GET IT ON Google Play" logo. Below the app icon and smartphone is the text "HIKMICRO SIGHT".

Three green shield-shaped icons representing product warranties and detector life. The first shield contains the text "BATTERY" above a large "1" and "YEAR" below it. The second shield contains "FULL PRODUCT" above a large "3" and "YEARS" below it. The third shield contains "DETECTOR" above a large "10" and "YEARS" below it.

HIKMICRO Outdoor hikmicro_outdoor HIKMICRO Outdoor HIKMICRO info@hikmicrotech.com <http://hikmicrotech.com/en>

room 313, unit B, building 2, 399 danfeng road, xixing subdistrict, binjiang district, hangzhou, zhejiang
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