

DS-2TR03-50UF/W Thermal Scope



Hikvision DS-2TR03-50UF/W Thermal Scope has 384 × 288 thermal detector and 1024×768 OLED monitor, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. The shutterless technology avoids the risk of target losing and self-exposure which was caused by shutter. These all make great efforts to better observe target situation and fight against crimes.

Key Features

- 384 × 288 thermal resolution, high sensitivity detector, NETD less than 35 mk(25°C,F#=1.0)
- Adopt shutterless technology
- Leading image processing technology: Adaptive AGC, DDE, 3D DNR
- 1024 × 768 resolution 0.39-inch OLED display
- Supports distance measurement, GPS and WIFI hotspot function
- Supports video recording and snapshot, build in Micro SD memory module (Max 16GB)
- Supports digital zoom and crosshair function, palettes of color adjustable
- Over 8 hours battery operating time



Specification

Thermal Module	
Image Sensor	Uncooled Focal Plane Arrays
Max. Resolution	384 × 288, 17 μm
Response Waveband	8μm to 14μm
NETD	less than 35 mk(25°C,F#=1.0)
Lens (Focal Length)	50 mm (support manual focus)
IFOV	0.34 mrad
Field of View	7.4°× 5.6°
F Number	F1.0
Image Display	
Monitor	0.39-inch, OLED, 1024 × 768
Palettes	Black hot, white hot, red hot
Ocular Exit Pupil Distance	30 mm
System	
Digital Zoom	2X, 4X
Crosshair	Yes
Wi-Fi	Yes
Distance Measurement	Yes
GPS	Yes
Video Recording	Yes
Picture Snapshot	Yes
Contrast Adjustment	Yes
Brightness Adjustment	Yes
Uniformity Correction	Support shutterless technology
Storage	Built-in Micro SD memory module (Max 16GB)
Power Supply	
Battery	Two 18650 batteries, require 5h to be full charged
Power Consumption	≤ 2.1 W
Battery Operating Time	≥ 8 h
Anti-reverse battery connection	Yes
Overvoltage Protection	Yes
Battery Capacity Display	Yes
General	
Mounting	Picatinny rail system
Port	USB, analog video output
Working Temperature	-30°C ~55°C (-22F ~ 131°F)
Protection Level	IP67
Shock Absorption Design	Yes
Prevent Ocular Light Leak	Yes

Vibration & Shock	MIL-STD-810F
Electrostatic Protection	15KV
Dimension (L × W × H)	248 mm × 79 mm × 104 mm (9.76" x 3.11" x 4.09")
Weight	< 0.8 kg

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Detection Range Table

* The table is only for reference, the performance may vary from camera to camera.

Wide Range Coverage

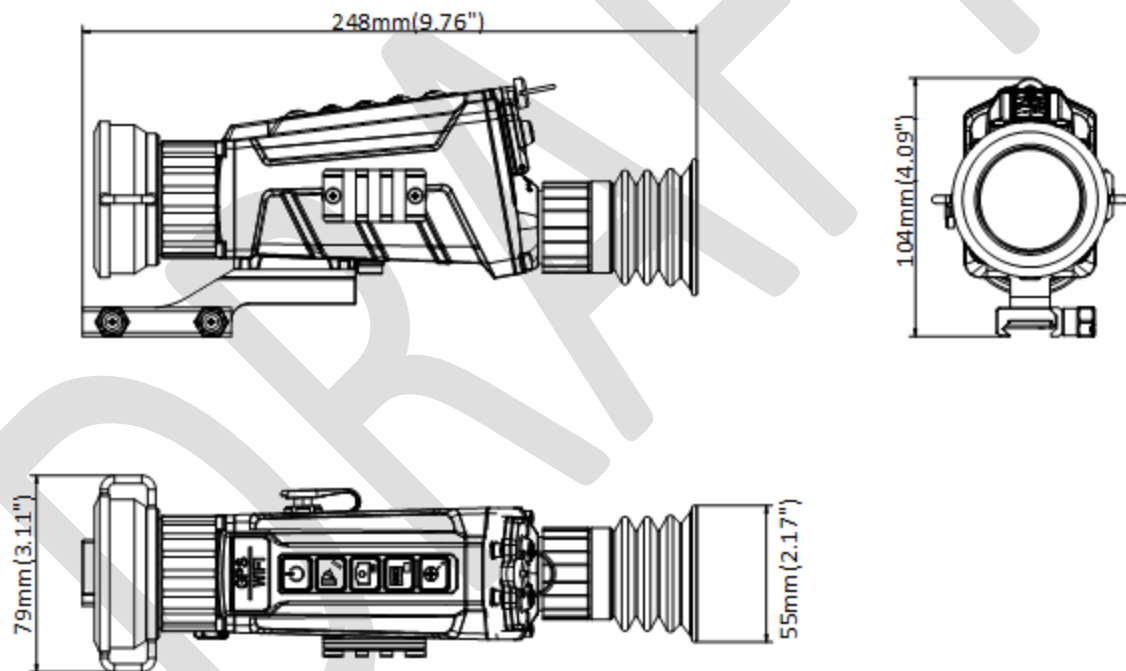
There is range limit for detecting, recognizing, and identifying human/vehicle targets.

Detection Range (Vehicles: 1.4×4.0m)	Detection Range (Humans: 1.8×0.5m)	Recognition Range (Vehicles: 1.4×4.0m)	Recognition Range (Humans: 1.8×0.5m)	Identification Range (Vehicles: 1.4×4.0m)	Identification Range (Humans: 1.8×0.5m)
4510 m	1471 m	1127 m	368 m	564 m	184 m

Available Model

DS-2TR03-50UF/W

Dimension



Distributed by

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