

## DS-2TR03-50UM/W Thermal Scope



Hikvision DS-2TR03-50UM/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 < 40mk (@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
- Support distance measurement, GPS and WIFI hotspot function
- Support video recording and snapshot, build in Micro SD memory module (Max 16GB)
- Support digital zoom and crosshair function, palettes of color adjustable
- Over 8 hours battery operating time



## Specification

Parameter		Model
		DS-2TR03-50UM/W
<b>Thermal Module</b>	Image Sensor	Uncooled Focal Plane Arrays
	Max. Resolution	384*288, 17um
	Response Waveband	8~14um
	NETD	< 40mk(@25 °C, F#=1.0)
	Lens (focal length)	50mm (support manual focus)
	I FOV	0.34mrad
	Field of View	7.4°×5.6°
	F Number	F1.0
<b>Image Display</b>	Monitor	0.39-inch, OLED, 1024 ×768
	Palettes	Black hot, white hot, red hot
	Ocular Exit Pupil Distance	30 mm
<b>System</b>	Digital Zoom	2X, 4X
	Crosshair	Support
	WIFI	Support
	Distance Measurement	Support
	GPS	Support
	Video Recording	Support
	Picture Snapshot	Support
	Contrast Adjustment	Support
	Brightness Adjustment	Support
	Uniformity Correction	Support shutterless technology
	Storage	Built-in Micro SD memory module (Max 16GB)
<b>Power Supply</b>	Battery	Two 18650 batteries, require 5h to be full charged
	Power Consumption	≤2.1 W
	Battery Operating Time	≥8h
	Anti-reverse battery connection	Support
	Overtoltage Protection	Support
	Battery Capacity Display	Support
<b>General</b>	Mounting	Picatinny rail system
	Port	USB, analog video output
	Working Temperature	-30°C ~55°C (-22°F ~ 131°F)
	Protection Level	IP67
	Shock Absorption Design	Support
	Prevent Ocular Light Leak	Support
	Vibration & Shock	MIL-STD-810F
	Electrostatic Protection	15KV
	Dimension (L x W x H)	244mm x 65mm x 95mm (9.61" x 2.56" x 3.74")
Weight	< 0.8kg	

## Wide Range Coverage for Different Specifications

**Note:** The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm pixel space-between.

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)
4510m	1471m	1127m	368m	564m	184m

## Order Models

DS-2TR03-50UM/W

Distributed by




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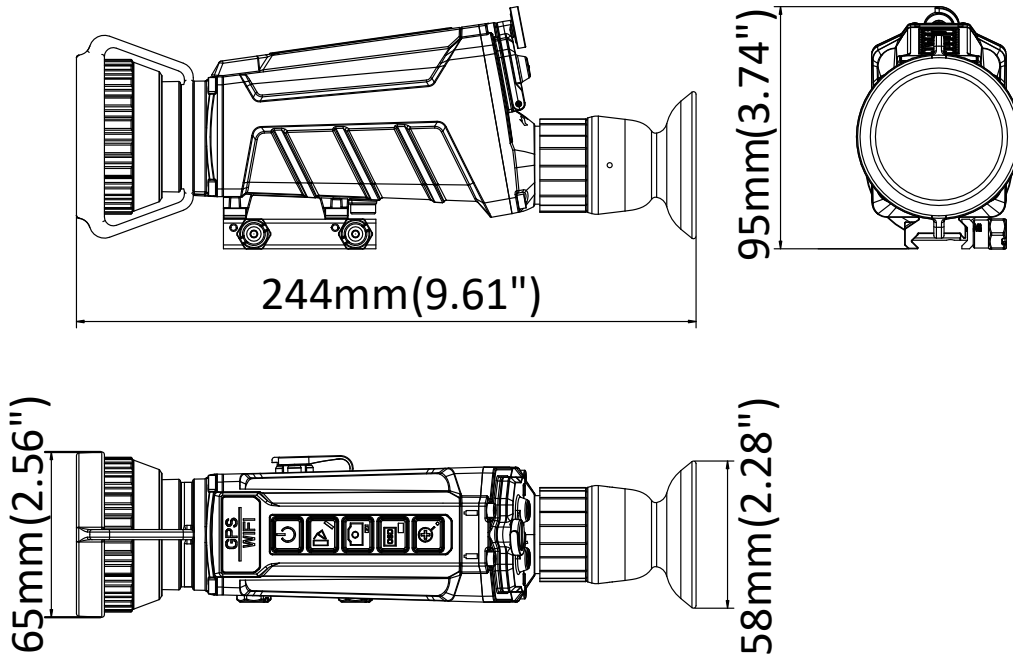
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**Dimensions**



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