

DS-2TS03-35UM/W

Handheld Observational Thermal Monocular



Hikvision DS-2TS03 handheld observational thermal monocular is equipped with a 384×288 infrared detector and a 1024×768 OLED display. It supports functions of observation, hot spot tracking, distance measurement, Wi-Fi hot spot, and so on. The high-sensitivity built-in thermal detector provides you with clear view even in total darkness.

Key Features

- 384 × 288 resolution, high sensitivity detector
- DDE (Digital Detail Enhancement) technique
- 3D DNR, adaptive AGC (Automatic Gain Control)
- 1024 × 768 resolution 0.39-inch OLED display
- Built-in rechargeable Li-ion battery
- Up to five hours continuous running (with GPS function and Wi-Fi hot spot function off)
- Small in size and light in weight



Application Scenarios

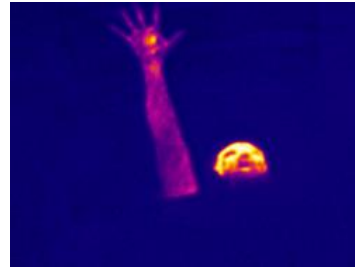
The monocular is mainly applied to scenarios such as patrolling, law enforcement, searching and rescuing, drug enforcement, anti-smuggling, criminal seizing, hiking, travel, and hunting, etc.,



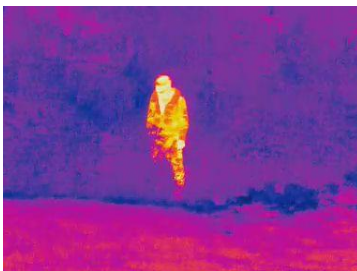
Security checking



Patrolling



Searching and rescuing



Criminal seizing



Avoid beasts



Hunting

Functions

Distance Measurement:

The device realizes distance measurement function after marking the top and bottom of target, and input the target height.

Hot Spot Mark:

The device detects and marks the hot spot of highest temperature.

Wi-Fi Hot Spot:

Device can capture snapshots, record videos, and set parameters via APP after being connected to your phone.

GPS Function:

The device can be located with GPS system.

Storage:

Built-in memory module supports video recording/snapshot capturing.

Digital Zoom:

Device supports 2× digital zoom.

Specifications

		Model	DS-2TS03-35UM/W
Parameter		Handheld Observational Thermal Monocular	
Thermal Module	Image sensor	Uncooled Focal Plane Arrays	
	Max. Resolution	384 × 288	
	Response waveband	8μm to 14μm	
	NETD	< 40mk (@25°C, F#=1.0)	
	Lens (focal length)	35mm, Manual Focus	
	MRAD	0.49	
	Field of View	10.66° × 8°	
	F number	1.0	
Image Display	Monitor	0.39-inch, OLED, 1024 × 768	
	Palettes	Black hot White hot Red hot	
System	Hot Track	Support	
	WIFI	Support	
	Storage	Built-in memory module (16GB)	
	Digital Zoom	2×	
	Capture Snapshot	Support	
	Record Video	Support on-board video / image recording	
	GPS	Support	
Power Supply	Battery Type	Lithium Battery	
	Battery Operating Time	Up to five hours continuous running (with GPS function and Wi-Fi hot spot function off)	
	Battery Capacity Display	Support	
General	Power	5V DC/2A, 2W	
	Working Temperature	-30 °C to 55 °C (-22 °F to 131 °F)	
	Protection level	IP67	
	Drop Test Height	2 m (6.56 feet)	
	Dimension (L x W x H)	202 mm × 74 mm × 66 mm (7.95 " × 2.91 " × 2.60 ")	
	Weight	500 g (1.1 lb)	

Wide Range Coverage for Different Specifications

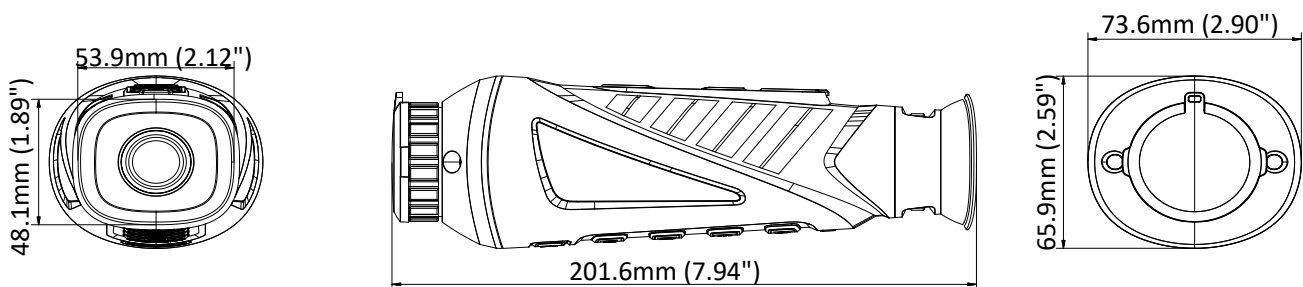
Note: The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm pixel space-between.

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)
3157m	1029m	789m	257m	395m	129m

Order Models

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Dimensions



Distributed by



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