

DS-2TS03-25UM/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.,



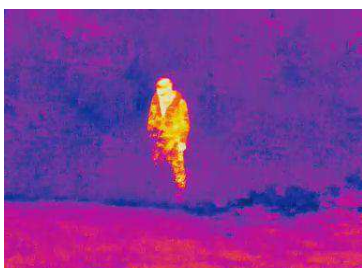
Security checking



Patrolling



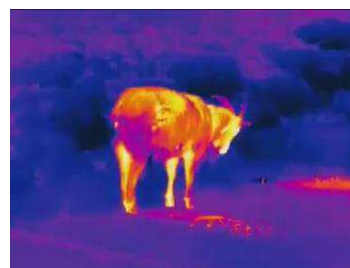
Searching and rescuing



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.

LED light:

LED light supplement makes the device a torch in the wild field.

Specifications

Parameter		Model	DS-2TS03-25UM/W
			Handheld Observational Thermal Monocular
Thermal Module	Image sensor		Uncooled Focal Plane Arrays
	Max. Resolution		384 × 288
	Response waveband		8μm to 14μm
	NETD		< 50mk (@25°C,F#=1.0)
	Lens (focal length)		25mm
	MRAD		0.68
	Field of View		14.88° × 11.19°
	F number		1.0
Image Display	Monitor		0.39-inch, OLED, 1024 × 768
	Pallets		Black hot White hot Red hot
System	Hot Track		Support
	WIFI		Support
	Storage		Built-in memory module (16GB)
	Digital Zoom		2×
	LED Light Supplement		Support
	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)		185 mm × 74 mm × 66 mm (7.28 " × 2.91 " × 2.60 ")
	Weight		460 g (0.20 lb)

Wide Range Coverage for Different Specifications

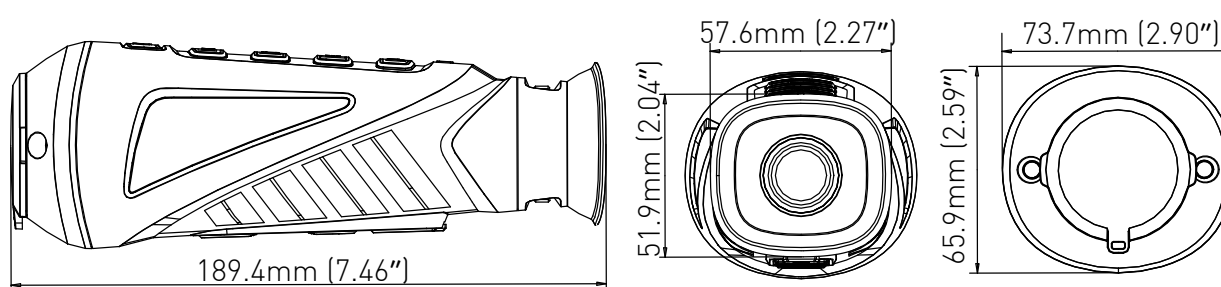
Note: The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 µm pixel space-between.

Lens (focal length)	10mm	15mm	25mm	35mm	50mm	75mm
Detection range (Vehicles)	902m	1353m	2255m	3157m	4510m	6765m
Detection range (Humans)	294m	441m	735m	1029m	1471m	2206m
Recognition range (Vehicles)	225m	338m	564m	789m	1127m	1691m
Recognition range (Humans)	74m	110m	184m	257m	368m	551m
Identification range (Vehicles)	113m	169m	282m	395m	564m	846m
Identification range (Humans)	37m	55m	92m	129m	184m	276m

Order Models

DS-2TS03-25UM/W

Dimensions



Distributed by



HIKVISION®

Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Africa
T +27 (0) 0351172
sale.africa@hikvision.com

Hikvision Europe
T +31-23-55-42-770
info.eu@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Oceania
T +61-2-8599-4233
salesau@hikvision.com

Hikvision Hong Kong
T +852-2151-1761

Hikvision Middle East
T +971-4-8816086
salesme@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Canada
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Poland
T +48-22-460-01-50
poland@hikvision.com

Hikvision Korea
T +82-31-731-8841
sales.korea@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahirikvision.com

Hikvision UK
T +01628-902140
support.uk@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com