

DS-2TS03-15UM/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

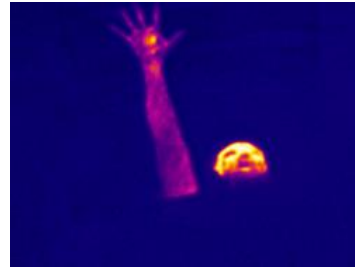
The monocular is mainly applied to scenarios such as patrolling, law enforcement, searching and rescuing, drug enforcement, anti-smuggling, criminal seizing, hiking, travel, and hunting, etc.,



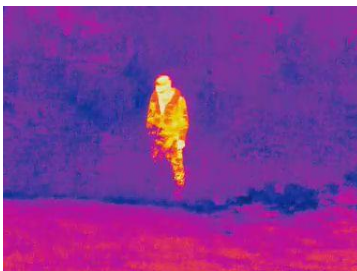
Security checking



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

		Model	DS-2TS03-15UM/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)	15mm	
	MRAD	1.13	
	Field of View	24.55° × 18.54°	
	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×	
	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)	189 mm × 74 mm × 66 mm (7.44 " × 2.91 " × 2.60 ")	
	Weight	460 g (1.01 lb)	

Wide Range Coverage for Different Specifications

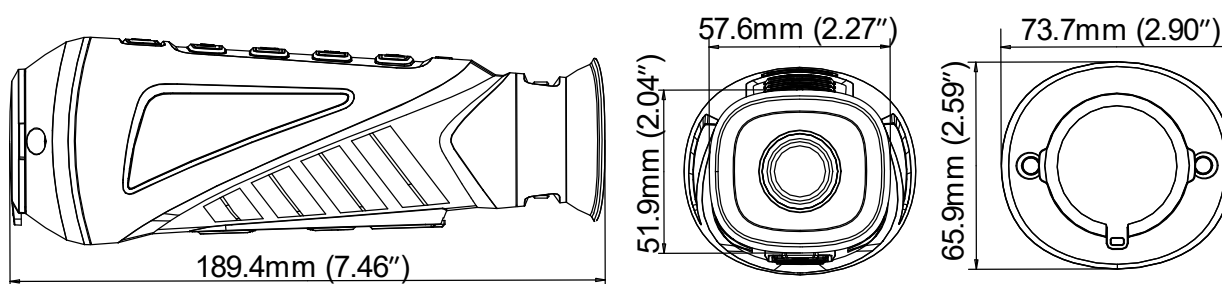
Note: The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm pixel space-between.

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)
1353m	441m	338m	110m	169m	55m

Order Models

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Dimensions



Distributed by



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

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

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

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

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

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +601-7652-2413
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

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

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

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

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

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
0100001080831n.com

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

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

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

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com