

DS-2TS03-35UF/W
Handheld Observational Thermal Monocular



Hikvision DS-2TS03-35UF/W 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. 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.

Key Features

- 384×288 resolution, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR, NETD less than 35 mK ($@25^\circ\text{C}$), $F\#=1.0$
- 1024×768 resolution 0.39-inch OLED display
- Built-in rechargeable Li-ion battery
- Up to five hours continuous running (with Wi-Fi hot spot function off)
- Wi-Fi hot spot



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Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Response Waveband	8µm to 14µm
NETD	less than 35 mK (@25°C), F#=1.0
Lens (Focal Length)	35 mm
Magnification	2.3
Field of View	10.66° × 8° (H × V)
Digital Zoom	2x, 4x
Aperture	F1.0
Image Display	
Monitor	0.39-inch, OLED, 1024 × 768
Palettes	Black Hot White Hot Red Hot Fusion
Smart Function	
Standby mode	Yes
FFC mode	Yes (auto, manual, external correction)
Hot Track	Yes
Wi-Fi hot spot	Yes
System	
Storage	Built-in memory module (16GB)
Record Video	On-board video recording
Capture Snapshot	Yes
Laser point	Yes (180m)
Power Supply	
Battery Type	Lithium Battery
Battery Operating Time	5h (with Wi-Fi hot spot function off)
Battery Capacity Display	Yes
General	
Menu language	English
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	189 mm × 74 mm × 66 mm (7.44" × 2.91" × 2.60")
Weight	Approx. 460 g (1.01 lb)

Detection Range Table

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

Wide Range Coverage

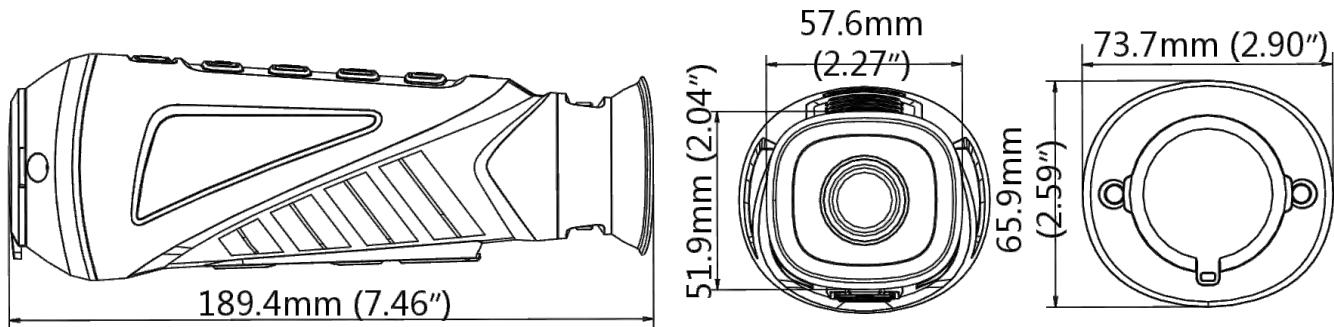
There is range limit for detecting, recognizing, and identifying human/vehicle targets.

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

Available Model

DS-2TS03-35UF/W

Dimension



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 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
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
salesru@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