DS-2TS03-15XF/W
Handheld Observational Thermal Monocular

Hikvision DS-2TS03-15XF/W handheld observational thermal monocular is equipped with a 384 × 288 infrared detector and a 720 × 540 LCOS display. It supports functions of observation, highest temperature target 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°C), F#=1.0
- 720 × 540 resolution 0.2-inch LCOS display
- Built-in rechargeable lithium battery
- More than seven hours continuous running (with Wi-Fi hot spot function off)
- Wi-Fi hot spot
- Type-C Interface

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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)	15 mm
IFOV	1.13 mrad
Field of View	24.6° × 18.5° (H × V)
Digital Zoom	1 ×, 2 ×, 4 ×
Aperture	F1.0
Magnification	0.6
Frame Rate	50 fps
Image Display	
Monitor	0.2 inch, LCOS, 720 × 540
FFC (Flat Field Correction)	Auto, Manual, External Correction
Palettes	Black Hot, White Hot, Red Hot, Fusion
Smart Function	
Highest Temperature Target Tracking	Yes
Wi-Fi Hot Spot	Yes
Standby Mode	Yes
System	
Storage	Built-in memory module (8 GB)
Record Video	On-board video recording
Capture Snapshot	Yes
Power Supply	
Battery Type	Lithium Battery
Battery Operating Time	More than seven hours continuous running (with Wi-Fi hot spot function off)
Battery Capacity Display	Yes
General	
Power	5 VDC/2 A, 1.5 W, Type-C Interface
Working Temperature	-20 °C to 55 °C (-4 °F to 131 °F)
Protection Level	IP67
Drop Test Height	1.5 m (4.92 feet)
Dimension	161 mm × 61 mm × 57 mm (6.34" × 2.40" × 2.24")
Weight	Approx. 270 g (0.60 lb)

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Detection Range Table

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

Wide Range Coverage

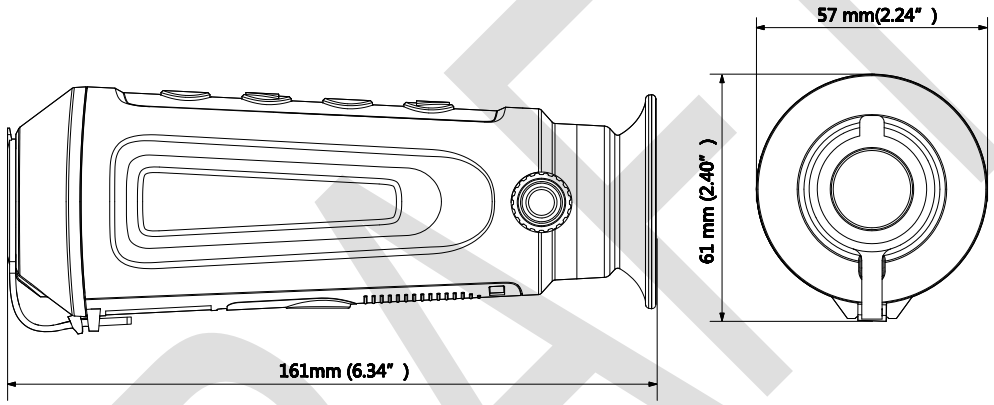
There is range limit for detecting, recognizing, and identifying human/vehicle targets.

Detection Range (Vehicles: 1.4 × 4.0 m)	Detection Range (Humans: 1.8 × 0.5 m)	Recognition Range (Vehicles: 1.4 × 4.0 m)	Recognition Range (Humans: 1.8 × 0.5 m)	Identification Range (Vehicles: 1.4 × 4.0 m)	Identification Range (Humans: 1.8 × 0.5 m)
1353 m	441 m	338 m	110 m	169 m	55 m

Available Model

DS-2TS03-15XF/W

Dimension



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