

DS-2TS01-06XF/W Handheld Thermal Monocular Camera



Hikvision DS-2TS01-06XF/W handheld thermal monocular camera is equipped with a 160×120 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 hiking, travel, and hunting, etc.

Key Features

- 160×120 resolution, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR, NETD less than 35 mk ($@25^{\circ}\text{C}$), $F\#=1.0$
- 720×540 resolution 0.2-inch LCOS display
- Built-in rechargeable lithium battery
- Up to 10 hours continuous running
- Wi-Fi hot spot
- Type-C Interface



Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	160 × 120
Pixel Interval	17 μm
Response Waveband	8 μm to 14 μm
NETD	less than 35 mk (@25°C), F#=1.0
Lens (Focal Length)	6.2 mm
Field of View	24.7° × 18.7° (H × V)
Digital Zoom	1 ×, 2 ×, 4 ×
Aperture	F1.1
Magnification	0.6 to 2.4
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
Frame Frequency	50 Hz
Smart Function	
Highest Temperature Spot Tracking	Yes
Wi-Fi Hot Spot	Yes
Standby Mode	Yes
System	
Storage	Built-in memory module (8 GB)
Record Video	Yes
Capture Snapshot	Yes
Power Supply	
Battery Type	Lithium Battery
Battery Operating Time	10 hours continuous running with CVBS and Wi-Fi hot spot off (@25°C) 7.5 hours continuous running with CVBS and Wi-Fi hot spot on (@25°C)
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
Dimension	158.3 mm × 61 mm × 57 mm (6.23" × 2.40" × 2.24")
Weight	250 g (0.55 lb)

Detection Range Table

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

Wide Range Coverage

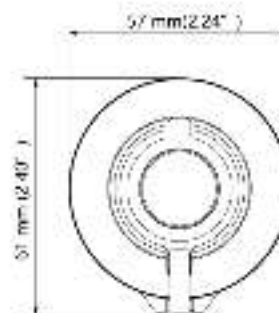
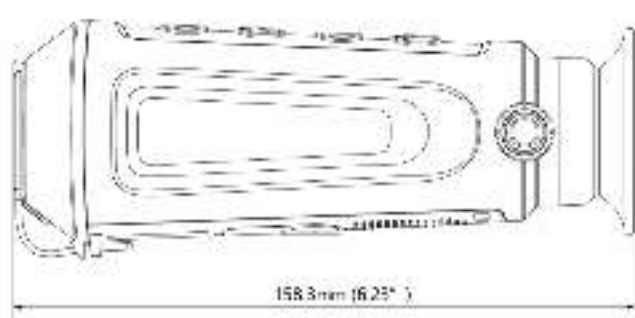
There is range limit for detecting, recognizing, and identifying human/vehicle targets.

Detection Range (Vehicles: 1.4 × 4.0 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)
559 m	182 m	140 m	46 m	70 m	23 m

Available Model

DS-2TS01-06XF/W

Dimension



Distributed by



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