

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



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) |

Detection Range Table

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

Wide Range Coverage

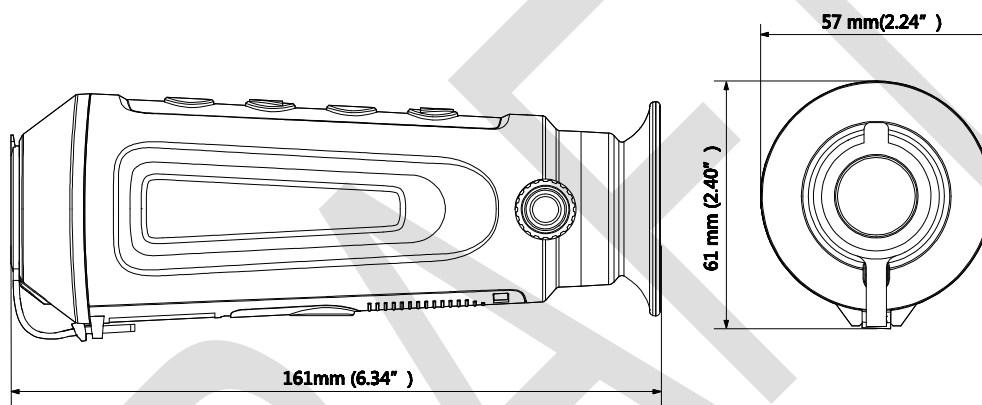
There is range limit for detecting, recognizing, and identifying human/vehicle targets.

| 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



Distributed by

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