**DS-2TS03-15XF/W**

**Handheld Observational Thermal Monocular**

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|  | D:\项目\Thermal\热成像产品线文档\07-手持观测 DS-2TSXX\08_V5.4.16【徐建峰】经济型单目手持4.0\02-Diagrams\透视图1  无镜头盖.png |

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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**

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| **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.

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| **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**

