



Video & Audio Surveillance

DS-2TS03

Handheld Observational Thermal Monocular



Key Feature

- 384 × 288 resolution, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR, NETD less than 35 mk (@25°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

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	2×, 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

