

DS-2TS03-25UM/W

Handheld Observational Thermal Monocular Camera



- 384 × 288 resolution, high sensitivity detector
- DDE (Digital Detail Enhancement) technique
- 3D DNR, adaptive AGC (Automatic Gain Control)
- 1024 × 768 resolution 0.39-inch OLED display
- Built-in rechargeable Li-ion battery
- Up to five hours continuous running (with GPS function and Wi-Fi hot spot function off)

The DS-2TS03-25UM/W Handheld Observational Thermal Monocular Camera is the latest addition to Hikvision's line of thermal devices, and features a host of strong proprietary features, such as a 1024 × 768 resolution, 0.39-inch OLED display, a highly sensitive thermal detector, and digital detail enhancement.

The Thermal Monocular can perform distance measurement and estimate target heights, detect high-temperature spots, and synchronize with GPS devices for geotagging functionality. Additionally, the camera has the capacity to detect human targets at distances of 2,411 ft (735 m), and vehicles at over 7,400 ft (2,255 m).

Available models: DS-2TS03-25UM/W



Specifications

DS-2TS03-25UM/W	
Thermal Module	
Image Sensor	Uncooled focal plane arrays
Maximum Resolution	384 x 288
Response Waveband	8µm to 14µm
NETD	< 50mk (@25°C, F#=1.0)
Lens (Focal Length)	25mm
MRAD	0.68
Field of View	14.88° × 11.19°
F Number	1.0
Image Display	
Monitor	0.39-inch, OLED, 1024 × 768
Pallets	Black hot, white hot, red hot
System	
Hot Track	Supported
WIFI	Supported
Storage	Built-in memory module (16 GB)
Digital Zoom	2×
LED Light Supplement	Supported
Capture Snapshot	Supported
Record Video	Support on-board video / image recording
GPS	Supported
Power Supply	
Battery Type	16 SATA interfaces
Battery Operating Time	1 eSATA interface
Battery Capacity Display	500 GB / 1 TB / 2 TB / 3 TB / 4 TB / 5 TB / 6 TB
General	
Power	5 VDC / 2 A, 2 W
Working Temperature	-22° F to 131° F (-30° C to 55° C)
Protection level	IP67
Drop Test Height	6.56 ft (2 m)
Dimension (L x W x H)	7.28" x 2.91" x 2.60" (185 mm x 74 mm x 66 mm)
Weight	0.20 lbs (0.46 kg)

Wide Range Coverage for Different Specifications

Standard Range Table	Model	
	DS-2TS03-25UM/W	
Johnson Criteria	Human	Vehicle
Detection	2,411 ft (735 m)	7,398 ft (2,255 m)
Recognition	604 ft (184 m)	1,850 ft (564 m)
Identification	302 ft (92 m)	925 ft (282 m)

Physical Interfaces

