

DS-2TS16-38VI

Handheld Thermal & Optical Bi-spectrum Binocular



Hikvision DS-2TS16-38VI Handheld Thermal & Optical Bi-spectrum Binocular is equipped with ultra-low light optical detector, 640×512 thermal detector, 1024×768 OLED display and eyepiece with large field of view. The device can quickly discover and locate hiding objects even under extreme environment, such as smoke, fog, rain and snow. It can be widely applied to scenarios like patrol, law enforcement, search and rescue, drug enforcement, anti-smuggling and suspect capture.

Key Features

- 640 × 512 thermal resolution, NETD < 40mk (@25°C,F#=0.9)
- DDE (Digital Detail Enhancement) technique
- 3D DNR, adaptive AGC (Automatic Gain Control)
- 800 × 600 optical resolution
- Ultra-low illumination, B/W: 0.0001 lux @ (F1.2 , AGC On)
- 0.39-inch OLED display
- Bi-spectrum image fusion and object highlight (enhance details and object recognition)
- Video recording, replay, picture snapshot and search (capable to review the event on device)
- Over 7 hours battery operating time

Specifications

| Parameter | | Model | DS-2TS16-38VI |
|----------------|--------------------------|-------|--|
| | | | Handheld Thermal & Optical Bi-spectrum Binocular |
| Thermal Module | Image Sensor | | Vanadium Oxide Uncooled Focal Plane Arrays |
| | Max. Resolution | | 640 × 512, 17 μ m |
| | Response Waveband | | 8μm to 14μm |
| | NETD | | < 40mk(@25°C,F#=0.9) |
| | Lens (focal length) | | 38mm |
| | MRAD | | 0.45 |
| | Field of View | | 16.29° × 13.07° |
| | F Number | | 0.9 |
| | Digital Zoom | | 4x |
| Optical Module | Image Sensor | | 1” Progressive Scan CMOS |
| | Min. Illumination | | B/W : 0.0001 lux @ (F1.2 , AGC On) |
| | Max. Resolution | | 800 × 600 |
| | Lens (focal length) | | 40mm |
| Image Display | Monitor | | 0.39-inch, OLED, 1024 × 768 |
| | Display Type | | Thermal, B/W optical, image fusion |
| System | Image Fusion | | Color fusion, B/W fusion |
| | Pallets | | Black hot, white hot |
| | Storage | | Built-in memory module (32GB) |
| | Video Replay | | Support |
| | Picture Search | | Support |
| | Object Highlight | | Support |
| | Snapshot | | Support |
| | Video Recording | | Support |
| Power Supply | Battery | | Four 18650 batteries |
| | Battery Operating Time | | ≥7h |
| | Battery Capacity Display | | Support |
| General | Working Temperature | | -40 °C to 55 °C (-40°F to 131 °F) |
| | Protection level | | IP67 |
| | Mounting | | UNC 1/4”-20 |
| | Dimension (L x W x H) | | 155.8mm × 168mm × 70.5mm (6.13" × 6.61" × 2.78") |
| | Weight | | <1.0kg (2.20 lb) |

Wide Range Coverage for Different Specifications

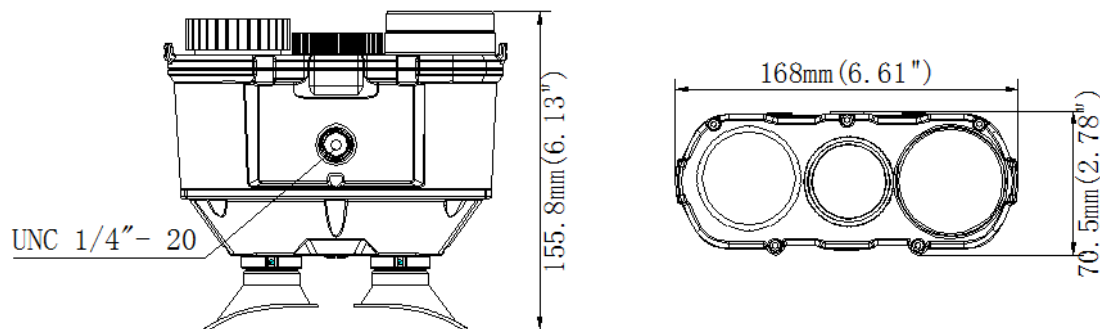
Note: The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm pixel space-between.

| Lens (focal length) | 10mm | 15mm | 25mm | 38mm | 50mm | 75mm |
|---------------------------------|------|-------|-------|------|-------|-------|
| Detection range (Vehicles) | 902m | 1353m | 2255m | 3427 | 4510m | 6765m |
| Detection range (Humans) | 294m | 441m | 735m | 1118 | 1471m | 2206m |
| Recognition range (Vehicles) | 225m | 338m | 564m | 857 | 1127m | 1691m |
| Recognition range (Humans) | 74m | 110m | 184m | 279 | 368m | 551m |
| Identification range (Vehicles) | 113m | 169m | 282m | 428 | 564m | 846m |
| Identification range (Humans) | 37m | 55m | 92m | 140 | 184m | 276m |

Order Models

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Dimensions



Distributed by



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