

## DS-2TR03-35UM/W Thermal Scope



Hikvision DS-2TR03-35UM/W Thermal Scope has 384×288 thermal detector and 1024×768 OLED monitor, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. The shutterless technology avoids the risk of target losing and self-exposure which was caused by shutter. These all make great efforts to better observe target situation and fight against crimes.

### Key Features

- 384\*288 thermal resolution, high sensitivity detector, NETD < 40mk (@25 °C,F#=1.0)
- Adopt shutterless technology
- Leading image processing technology: Adaptive AGC, DDE, 3D DNR
- 1024\*768 resolution 0.39-inch OLED display
- Support distance measurement, GPS and WIFI hotspot function
- Support video recording and snapshot, build in Micro SD memory module (Max 16GB)
- Support digital zoom and crosshair function, palettes of color adjustable
- Over 8 hours battery operating time



## Specification

| Parameter                       |                            | Model                                       | DS-2TR03-35UM/W                                    |
|---------------------------------|----------------------------|---|--|
|                                 |                            | Thermal Scope                               |  |
| <b>Thermal Module</b>           | Image Sensor               | Uncooled Focal Plane Arrays                 |  |
|                                 | Max. Resolution            | 384*288, 17um                               |  |
|                                 | Response Waveband          | 8~14um                                      |  |
|                                 | NETD                       | < 40mk(@25 °C, F#=1.0)                      |  |
|                                 | Lens (focal length)        | 35mm  |  |
|                                 | IFOV                       | 0.49mrad                                    |  |
|                                 | Field of View              | 10.0 °×7.5 °                                |  |
|                                 | F Number                   | F1.0  |  |
| <b>Image Display</b>            | Monitor                    | 0.39-inch, OLED, 1024 ×768                  |  |
|                                 | Palettes                   | Black hot, white hot, red hot               |  |
|                                 | Ocular Exit Pupil Distance | 30 mm                                       |  |
| <b>System</b>                   | Digital Zoom               | 2X, 4X                                      |  |
|                                 | Crosshair                  | Support                                     |  |
|                                 | WIFI                       | Support                                     |  |
|                                 | Distance Measurement       | Support                                     |  |
|                                 | GPS                        | Support                                     |  |
|                                 | Video Recording            | Support                                     |  |
|                                 | Picture Snapshot           | Support                                     |  |
|                                 | Contrast Adjustment        | Support                                     |  |
|                                 | Brightness Adjustment      | Support                                     |  |
|                                 | Uniformity Correction      | Support shutterless technology              |  |
|                                 | Storage                    | Built-in Micro SD memory module (Max 16GB)  |  |
|                                 | <b>Power Supply</b>        | Battery                                     | Two 18650 batteries, require 5h to be full charged |
| Power Consumption               |                            | ≤2.1W                                       |  |
| Battery Operating Time          |                            | ≥8h   |  |
| Anti-reverse battery connection |                            | Support                                     |  |
| Overvoltage Protection          |                            | Support                                     |  |
| Battery Capacity Display        |                            | Support                                     |  |
| <b>General</b>                  | Mounting                   | Picatinny rail system                       |  |
|                                 | Port                       | USB, analog video output                    |  |
|                                 | Working Temperature        | -30 °C ~55 °C (-22F ~ 131 F)                |  |
|                                 | Protection Level           | IP67  |  |
|                                 | Shock Absorption Design    | Support                                     |  |
|                                 | Prevent Ocular Light Leak  | Support                                     |  |
|                                 | Vibration & Shock          | MIL-STD-810F                                |  |
|                                 | Electrostatic Protection   | 15KV  |  |
|                                 | Dimension (L x W x H)      | 225mm x 65mm x 95mm (8.86" x 2.56" x 3.74") |  |
| Weight                          | < 0.8kg                    |   |  |

## 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.

| Detection Range<br>(Vehicles:<br>1.4×4.0m) | Detection Range<br>(Humans:<br>1.8×0.5m) | Recognition Range<br>(Vehicles:<br>1.4×4.0m) | Recognition Range<br>(Humans:<br>1.8×0.5m) | Identification Range<br>(Vehicles:<br>1.4×4.0m) | Identification Range<br>(Humans:<br>1.8×0.5m) |
|--|--|--|--|---|---|
| 3157m                                      | 1029m                                    | 789m   | 257m                                       | 395m  | 129m  |

## Order Models

DS-2TR03-35UM/W

Distributed by



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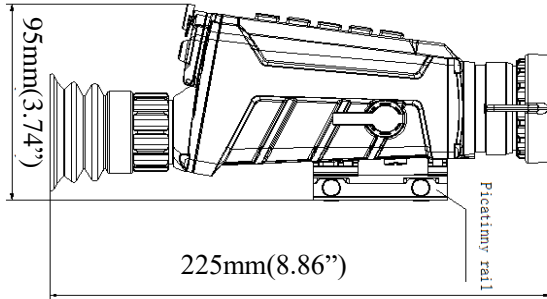
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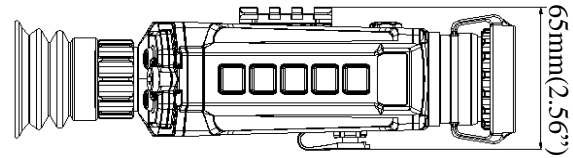
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## Dimensions



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