

DS-2TS36-100VI/WL**Handheld Bi-spectrum Multi-function Binocular**

Hikvision DS-2TS36-100VI/WL Handheld Thermal & Optical Bi-spectrum Multi-function Binocular is equipped with ultra-low light optical detector, $640 \times 512 @25\text{fps}$ thermal detector, $1920 \times 1080 @25\text{fps}$ OLED display and eyepiece with laser range capability. The device can quickly discover and accurately locate targets on the ground, at sea and river 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

- Thermal: $640 \times 512 @25\text{fps}$, optical: $1920 \times 1080 @25\text{fps}$
- Adaptive AGC, DDE, 3D DNR, NETD less than 40 mK (25°C , $F\#=1.4$)
- Ultra-low illumination (optical channel), B/W: $0.001 \text{ lux} @ (F1.0, \text{AGC On})$
- Bi-spectrum image fusion and object highlight (detail enhancement and target recognition)
- Video recording, replay, picture snapshot and search (capable to review the event on device)
- Wi-Fi hot spot
- Support Eye Safety Laser (Up to 3 km Laser-distance detection with measuring accuracy 0.75m)
- Built-in Laser-distance detection module, compass, and GPS module, support self-positioning and target positioning
- Digital Magnetic Compass and Inclination Sensor

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Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	640 × 512 @25fps
Pixel Interval	17μm
Response Waveband	8μm to 14μm
NETD	less than 40 mK (25°C, F#=1.4)
Lens (Focal Length)	100 mm, Electric focus
MRAD	0.17 mrad
Field of View	6.23° × 4.98° (H × V)
Digital Zoom	4×
Aperture	F1.4
Optical Module	
Max. Image Resolution	1920 × 1080 @25fps
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	B/W : 0.001 lux @ (F1.0 , AGC On)
Lens (Focal Length)	22 mm
Image Enhancement	3D DNR, Adaptive AGC
Image Display	
Monitor	0.39-inch, OLED, 1024 × 768
Thermal/Optical Mode	Thermal view, B/W optical view, image fusion view are selectable
Image Fusion	Color fusion, B/W fusion
Pallets	Black hot, white hot
Smart Function	
Hot Track	Yes
Object Highlight	Yes
Automatic Backlight	The OLED backlight automatically turns off if no human eyes are detected.
Laser-Distance Detection	Up to 3 km
System	
Storage	Built-in memory module (32GB)
Record Video	On-board video recording
Snapshot	On-board image capturing
Video Replay	Yes
Picture Search	Yes
Head Accuracy	0.2 °(RMS)
Measure Distance	Max. 3km
Accuracy	0.75m
Nominal Wavelength	1550 nm (class1)
Wi-Fi	Yes
GPS	Yes

Power Supply	
Battery Type	Four 18650 batteries, requires 7 hours to be fully charged
Battery Operating Time	More than 7 hours
Battery Capacity Display	Yes
General	
Menu language	English
Power	DC 5V/2A, Max.10W
Working Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Protection Level	IP67
Mounting	UNC 1/4"-20
Cable Output	Aviation plug: connecting to BNC, DB9, and USB
Accessories (Supplied)	Battery charger, battery charger power cable, wiping cloth, two wrist straps, User manual, aviation plug cable, eight batteries
Dimension	188mm × 276.9mm × 87.4mm (7.4" ×10.9" ×3.4")
Weight	Approx. 1.5 Kg (3.3 lb)

Detection Range Table

* The table is only for reference, the performance may vary from camera to camera.

Wide Range Coverage

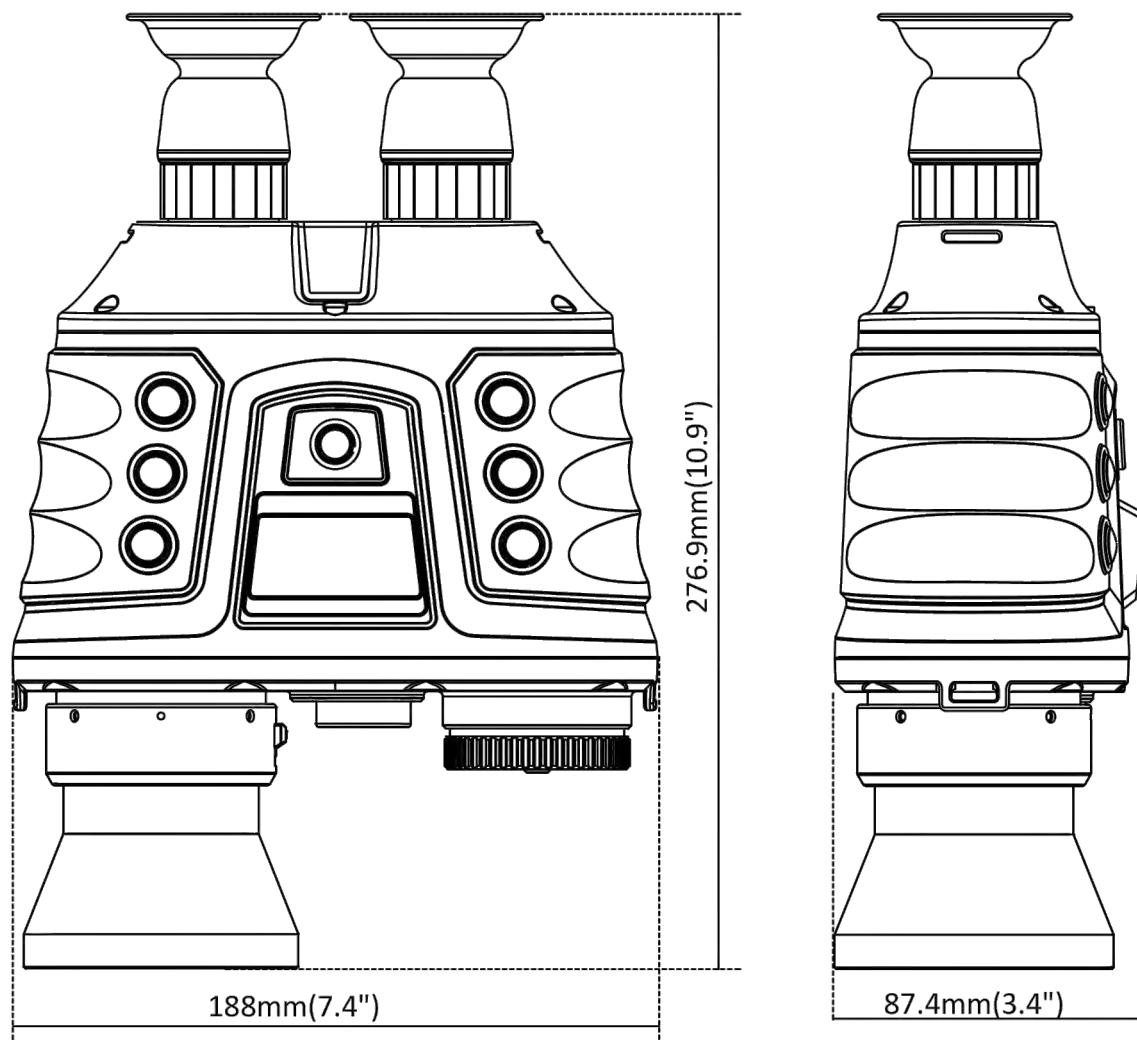
There is range limit for detecting, recognizing, and identifying human/vehicle targets.

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)
9020 m	2941 m	2255 m	735 m	1127 m	368 m

Available Model

DS-2TS36-100VI/WL

Dimension



Distributed by

**HIKVISION****Headquarters**

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-905-835-0400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +601-7652-2413
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision France
T +33(0)1-85-330-450
Info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
rikila.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
salesru@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com