

## **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 Time	Operating	≥ 7h
	Battery Display	Capacity	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

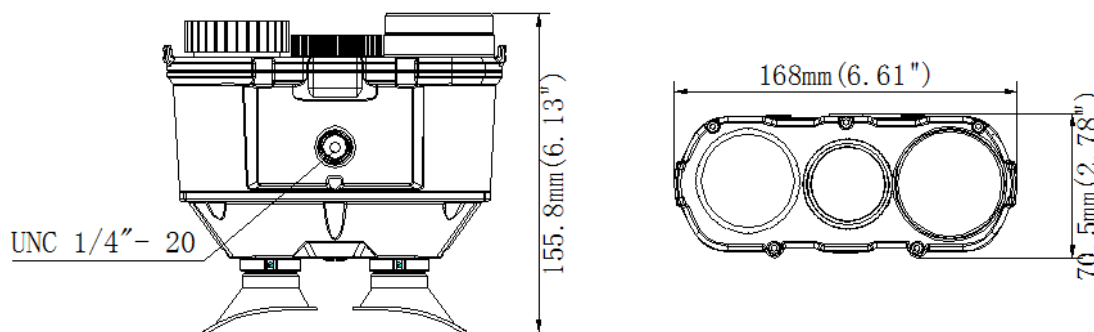
**Note:** The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm pixel space-between.

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

DS-2TS16-38VI

## Dimensions



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