

Advanced Five Optical Channels Binoculars Feature Thermal Imaging Low-light Capability And Laser Technologies For Observation And Surveillance

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: TOM-B
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 1000units per month



Product Specification

- Storage: 64G
- Ocular Lens Diopter: -4~+4
- Weight: 2.1 Kg
- Operating Time: ≥8 H
- Operating Temperature: -40°C~+55°C
- Waterproof Grade: IP67
- Storage Temperature: -55°C~+70°C
- Wireless Transmission: WIFI
- Highlight: thermal imaging binoculars for surveillance ,
low-light capability binoculars with laser ,
five optical channels drone detector

Product Description

TOM-B Five Optical Channels Multi-function Binoculars

1, Product Overview

Five Optical Channels Multi-function Binoculars is a small intelligent observation device integrating infrared, low-light, visible light, laser rangefinder, and laser pointer. It has a built-in location module, a digital magnetic compass, and a laser rangefinder. It can be used for day and night observation and target search. Images and videos can be taken for targets. It is comfortable and portable to use.

2, Specification

Infrared Thermal Imaging	Resolution	640×512, 12 μm
	Spectral Band	8~14 μm
	Field of View	6.1°×4.8°
Low-Light Imaging	Resolution	750×600
	Low Illumination Capability	0.001 lux
	Field of View	6.8°×5.5°
Visible Light Imaging	Resolution	4.6 megapixels
	Field of View	4.6°×3.7°
Laser Rangefinder	Wavelength	1535 nm
	Maximum Range	≥6 km
	Minimum Range	≤50 m
	Measurement Accuracy	2 m
Location Module	Positioning System	BD, GPS dual-mode
	Horizontal Accuracy (CEP)	5 m
	Elevation Accuracy (PE)	10 m
Digital Magnetic Compass	Azimuth Range	0~360°

	Azimuth Accuracy	0.5°
	Pitch Angle Range	-90°~+90°
	Pitch Angle Accuracy	0.4°
	Inclination Angle Range	-180°~+180°
	Inclination Angle Accuracy	0.5°
Laser Pointer	Wavelength	830 nm
	Power Output	5 mW, Class IIIA
Display System	Resolution	1280×1024
	Viewing	OLED display
Storage & Memory	Internal Storage	64GB
Optical Specifications	Ocular Diopter Adjustment	-4~+4
Physical Specifications	Weight	2.1 kg
	Battery Configuration	6×18650 batteries (3.7V, 3000mAh)
	Operating Time	≥8 hours
Environmental Performance	Operating Temperature	-40°C~+55°C
	Storage Temperature	-55°C~+70°C
	Waterproof Rating	IP67
Connectivity	Interfaces	HDMI, USB, PAL, RS232, WiFi
	Wireless Transmission	WiFi enabled

3, Features

The Five Optical Channels Multi - function Binoculars (Tom - B) signify the apex of integrated optical observation technology. They integrate five advanced optical channels seamlessly within a single, portable device.

The infrared thermal imaging channel offers outstanding night vision capabilities. It has a resolution of 640×512 and a pixel pitch of 12μm. Operating in the 8 - 14μm spectral band, it can detect heat signatures even in complete darkness.

Complementing this, the low - light imaging channel enables clear visualization in near - dark conditions. With a resolution of 750×600 and a sensitivity of 0.001 lux, it ensures reliable performance during twilight and in low - visibility environments.

The high - resolution visible light channel captures sharp 4.6 - megapixel images during daytime operations, providing exceptional detail for identification and documentation purposes.

The integrated laser rangefinder technology provides precise distance measurement up to 6 kilometers with an accuracy of 2 meters. Additionally, the laser pointer aids in target designation and coordination.

The dual - mode BD/GPS location module offers accurate positioning information with a horizontal accuracy of 5 meters. This is enhanced by a high - precision digital magnetic compass that measures azimuth, pitch, and inclination angles with sub - degree accuracy. This comprehensive navigation system enables precise target location and tracking in any environment.

The system is equipped with a high - resolution 1280×1024 OLED display that presents clear imagery across all channels. It features intuitive controls for seamless mode switching and function adjustment. The built - in 64GB storage capacity allows for extensive image and video recording. Moreover, WiFi connectivity enables wireless data transmission to external devices for real - time sharing and analysis.

With a rugged design, weighing only 2.1 kilograms and operating for over 8 hours on six 18650 batteries, these binoculars are highly suitable for extended field operations.

Engineered to endure the most challenging conditions, the Five Optical Channels Multi - function Binoculars meet IP67 waterproof standards and can operate within a temperature range of - 40°C to +55°C. Multiple image processing modes, including various thermal palettes and fusion options, enhance target detection and recognition in diverse environmental conditions.

The device's ergonomic design ensures comfortable handling during prolonged use. The comprehensive connectivity options facilitate integration with other systems and equipment. Whether utilized for security surveillance, wildlife observation, search and rescue operations, or tactical applications, this multi - functional binocular offers unparalleled performance and versatility across all lighting and environmental conditions.



4, Application Scenarios



5, Certification Certificate



6, Company profile

Chongqing Miao Yitang Technology Co., Ltd. is a specialized company engaged in anti-drone and unmanned intelligent defense management. With the technical support from the AI Internet of Things Research Institute of the Chinese Academy of Sciences and collaborations with multiple intelligent AI companies, the company has established research laboratories for AI unmanned field products, accumulating a variety of technical patents.

The company's products are widely applied to unmanned automatic management solutions for various defense and perimeter areas, including AI anti-drone systems and AI unmanned vehicle patrol systems. These systems integrate with multiple technologies such as optoelectronics, radar, vibration, thermal imaging, facial recognition, and radio frequency management, truly achieving a 24-hour uninterrupted anti-drone defense and ground perimeter defense warning system. This allows for cost savings for clients, reduction in human resource allocation, and

ensures the safety of clients' lives and property. The outstanding security system has won the company an excellent reputation and created higher value for its partners.



7, Customer Service

- 1). We offer 24 hours service after sales
- 2). If there are any usage or quality issues with the product, we provide online technical support to diagnose the cause of the problem.
- 3). Should you find the products unsatisfactory, kindly return it to us within a period of 3 months from the date of dispatch. Upon receipt and inspection, should the products be found to be free from any damage attributable to human factors, a full refund will be granted. Alternatively, we can engage in discussions to amend the product and subsequently reship the product to you.

CUSTOMER SERVICE

- * Fast and patient communication: professional sales reply immediately
- * Fast delivery: usually 2-7 days
- * Flexible Safe shipping: fast by air or sea with cheap freight
- * Customer-friendly: complete user manual and exact video training provided
- * After sales service: one year warranty and life time technical support



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