

Tom-HDB Three Optical Channels HD Binoculars



HD thermal
images



HD color
day images



Targeting
positioning system



Intelligent



≤1.1kg

Lightweight



≥7h

Long battery life

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Tom-HDB Three Optical Channels HD Binoculars has two HD observing channels. The color day channel has a resolution of 6,200,000 pixels, and the thermal imaging channel has a resolution of 800,000 pixels. With the built-in positioning module, digital magnetic compass, and laser rangefinder, it can quickly and accurately locate itself and the target. And the target information can be acquired and uploaded. Tom-HDB has small size and low power consumption and is adaptive to various complex climates and environments.

Features

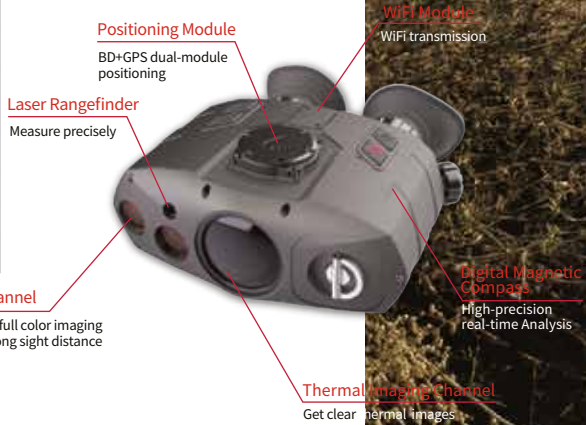
Item	Thermal Imaging Channel	Color Day Channel
Detector	1024×768, 12μm	2880×2160, 2.0μm
Spectral Band	8~14μm	0.4~0.63μm
FOV	15.5°×11.6°	11.0°×8.2°
Laser Rangefinder	Eye Safe: 1535nm Max Measuring Range: ≥3km Measuring Accuracy: 2m	
Positioning Module	Positioning Mode: BD+GPS Horizontal Positioning Accuracy (CEP): 5m Elevation Positioning Accuracy (PE): 10m	
Digital Magnetic Compass	Azimuth Measurement Range: 0°~360° Azimuth Measurement Accuracy: 1°(RMS) Pitch Angle Measurement Range: -90°~+90° Pitch Angle Measurement Accuracy: 1°(RMS) Inclination Angle Measurement Range: -180°~+180° Inclination Angle Measurement Accuracy: 1°(RMS)	
Display	1440×1080 OLED	
Storage	10000 JPG&4h AVI	
Ocular Lens	-4~+4 (Diopter)	
Weight	≤1.1kg (With battery)	
Battery life	≥7h	
Dimension	143×164×73mm	
Interface	External Power Supply/USB/PAL/RS232/WIFI	
Operating Temperature	-40°C~+55°C	
Storage Temperature	-55°C~+70°C	
Encapsulation	IP67	
Human Target 1.7m×0.5m	Identification	500m
	Recognition	1000m
	Detection	2000m
Vehicle Target 2.3m×2.3m	Identification	700m
	Recognition	1400m
	Detection	3000m



Color Day Mode



Thermal Mode



Operating Distance

