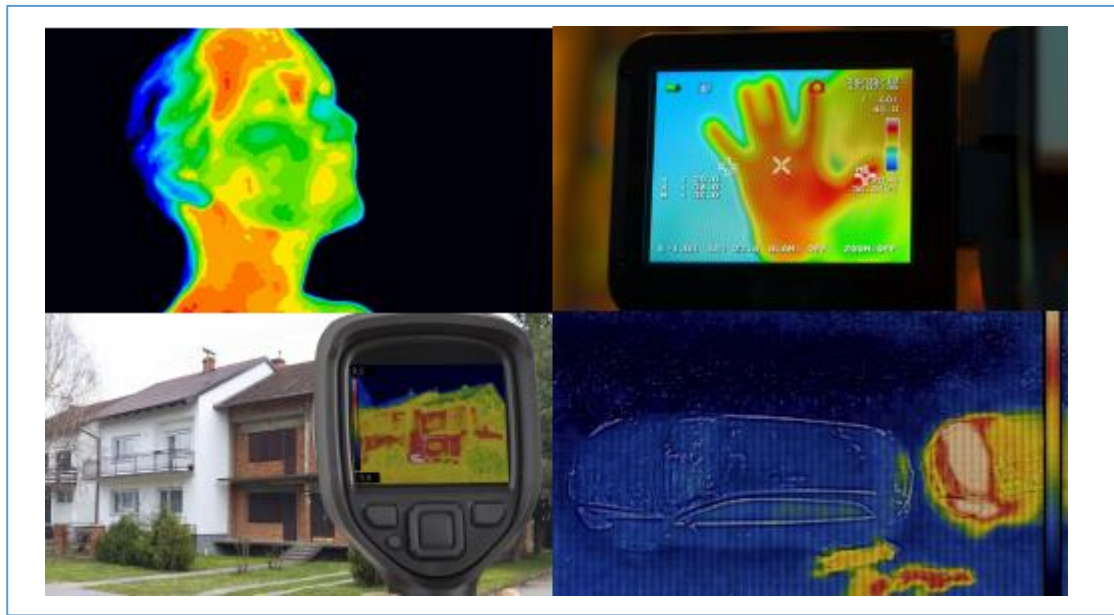




# **BW-TB23**

**Three Optical Channels HD Binoculars**

**Technical Manual**



## Introduction

Three Optical Channels HD Binoculars possess double high definition observation channels used for day and night use, in which visual resolution is 6.2MP and thermal resolution is 0.8MP. It has a built-in location module, a digital magnetic compass and LRF with the function of self-localization, target localization. Target information can be captured and saved. It can be used in complex climate and tough environment for its advantage on SWaP

## Component

### Basic components:

- Three Optical Channels HD Binoculars;
- 1 set of batteries (\*Optional);
- Battery Charger(\*Optional);
- Quick start guide;
- User Manual;
- Data Cables;
- Video Cables;

## Characteristic



### Performance Indicators

Product model	BW-TB23
<b>Thermal Imaging</b>	
Resolution	1024×768, 12μm
Spectral Range	8~14μm
FOV	15.5°×11.6°
<b>Visible light imaging</b>	
Resolution	6.2MP
FOV	11.0°×8.2°
<b>Laser Range Finder</b>	
Wavelength	1535nm
Max. measurement range	≥3.0km
Measurement accuracy	2m
Minimum Imaging Distance	Location module
Location mode	BD, GPS

Horizontal location accuracy (CEP)	5m
Elevation location accuracy (PE)	10m
<b>Digital magnetic compass</b>	
Magnetic Az Range	0~360
Magnetic Az measurement accuracy	1.0°
El Range	-90°~+90°
El measurement accuracy	1.0°
Inclination Range	180°~+180°
Inclination measurement accuracy	1.0°
<b>Display</b>	
Resolution	1440×1080
Observation mode	binocular
<b>External interface</b>	
Aviation	DC/USB/RS232
Video interface	HDMI

Wireless transmission	WIFI
<b>Overall device</b>	
Storage	64G
Eyepiece diopter	-4~+4
Weight	≤1.1kg
Operating time	≥7h (normal temperature)
Operating temperature	-40°C~+55°C
Storage temperature	-55°C~+70°C
Encapsulation Rating	IP67

# **BW-TB23**

## **Three Optical Channels HD Binoculars**

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