Guide sensmart

GUIDE

20mK, Indulge in A Visual Feast

TJ Series Handheld Thermal Imaging Monocular

Introduction

Embark on nighttime explorations with the TJ Series, a top pick for hunters. Equipped with exceptional thermal imaging technology, this device features a high-sensitivity infrared detector that enables clear night vision. The Full-HD display enhances these benefits, while two-hand operation, video recording, and a 12-hour battery life make it the perfect companion for nighttime escapades.

Features

- 12μm advanced thermal detector, NETD down to 20mK
- Full-HD 1920×1080 AMOLED display
- Unique button and battery design enables blind operation in the dark
- Adaptable for left-and right-handed use
- Video recording including sound
- IP67, 12 hours of operation

Applications

- Night Hunting
- Law Enforcement
- Search & Rescue
- Personal Security

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Specifications

Product model	TJ420	TJ430	TJ630	TJ650
Sensor				
Type	Uncooled VOx Infrared Detector, 8 to 14 μm			
Resolution	400×300@12μm		640×512@12μm	
NETD	25mK		20mK	
Frame rate	50Hz			
Lens				
Objective lens	25mm, F1.0	35mm, F1.0		50mm, F1.0
Field of view	11.0°×8.2°	7.9°×5.9°	12.5°×9.4°	8.8°×6.6°
FOV m@100m	19×14	14×10	22×16	15×12
Magnification	3.04x~12.16x	4.25x~17.0x	2.66x~21.28x	3.79x~30.32x
Detection range	1300m/1400yd	1800m/1950yd		2600m/2800yd
Display				
Display type	0.39" AMOLED 1920×1080			
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia			
Eyepiece	Exit pupil distance 16mm; Diopter: -6 to +6; Zoom: 18x			
Hardware				
WIFI	2.4G, 5G			
Interface	USB Type-C (Power supply/USB2.0)			
Others	Microphone, Compass, Gyroscope, Bluetooth			
System				
Recording function	Photo/Video (Audio recording included)			
Memory capacity	32GB		64GB	
Power				
Battery type	2 replaceable 18650 batteries			
Operating time	12 hours		10 hours	
Environmental				
Operating temp.	-20°C to 50°C / -4°F to +122°F			
Encapsulation	IP67			
Physical				
Weight(g/oz)	479/16.90	504/17.78	502/17.71	546/19.26
Size(mm/in)	234×66×66/9.21×2.60×2.60	243×66×66/9.57×2.60×2.60	234×66×66/9.21×2.60×2.60	243×66×66/9.57×2.60×2.60
Standard	A device, Wrist strap, Battery charger, 18650 battery×2, 5V2A adapter (US, Britain, Australia and Europe), USB Type-C cable, Quick use guide, Warranty card			
Optional	Bluetooth remote control, 18650 battery			

* Product performance is based on testing in a controlled environment. All specifications are subject to the actual product. Guide sensmart reserves the right to change the technical specifications without notice or liability to you.