

# TE Series

Handheld Thermal Imaging Monocular



Smaller Yet Sharp



## Introduction

The TE Series Handheld Thermal Imaging Monocular is a pocket-sized night vision powerhouse, offering exceptional performance at an affordable price. It is equipped with a highly sensitive infrared detector, providing multiple resolutions and lens options to meet your diverse needs in various environments. A 10-minute quick charge gives you an hour of continuous use, making it the perfect companion for your outdoor explorations.

## Features

- o Ultra-Lightweight: Only 200+ grams, effortlessly portable.
- o Comfortable Viewing: 0.32-inch screen for clear and smooth visuals.
- o Extended Battery: 6h runtime, 20W quick charging.
- o Smooth Operation: One-button & one-ring design, for simply operation.
- o Audio-Visual Sync: Record video with synced audio.
- o Rugged Design: IP66-rated for all-weather durability.
- o Smart Connectivity: Control via mobile APP, OTA firmware updates.

## Applications

- o Night Hunting
- o Wild Adventure
- o Search & Rescue



## Specifications

Product model	TE211	TE411	TE421
Sensor			
Type	Uncooled VOx Infrared Detector, 8 to 14μm		
Resolution	256×192@12μm	400×300@12μm	
NETD	30mK	25mK	
Frame rate	50Hz		
Lens			
Objective lens	10mm, F1.0	19mm, F1.0	25mm, F1.0
Field of view	17.5°×13.1°	14.4°×10.8°	11°×8.2°
FOV m@100m	31×23	25×19	19×14
Magnification	1.2x~4.8x	1.4x~5.6x	1.9x~7.6x
Detection range	500m/550yd	1000m/1090yd	1300m/1400yd
Focus	Focus-free	Manual	
Display			
Display type	0.32" AMOLED 800×600		
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia		
Eyepiece	Eye relief: 25mm; Diopter: -5 to +5; Zoom: 14x		
Hardware			
WIFI	2.4G, 5G		
Interface	USB-C (Support charging)		
Others	Microphone, Bluetooth		
System			
Recording function	Photo/Video (Audio recording included)		
Memory capacity	16GB		
Power			
Battery type	Built-in Battery		
Operating time	6 hours (Support 20W quick charging)	5 hours (Support 20W quick charging)	
Environmental			
Operating temp.	-20°C to 50°C / -4°F to +122°F		
Encapsulation	IP66		
Physical			
Weight (g/oz)	228/8.04	288/10.16	295/10.41
Size (mm/in)	47×47×132/1.85×1.85×5.20	47×47×148/1.85×1.85×5.83	47×47×155/1.85×1.85×6.10
Standard	Device, Wrist Strap, USB-A to USB-C Cable, Quick Start Guide, Warranty Card	Device, Wrist Strap, Quick Charging Adapter (US, UK, Australia, and Europe), USB-C to USB-C Cable, Quick Start Guide, Warranty Card	
Optional	Bluetooth Remote Control, Quick Charging Adapter, USB-C to USB-C Cable	Bluetooth Remote Control, USB-A to USB-C Cable	

\* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors.  
All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.