

## TE Series

Handheld Thermal Imaging Monocular

# Smaller Yet Sharp

outdoor **APEX  
VISION**

### Introduction

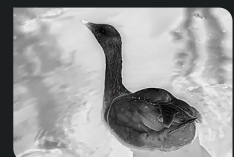
The TE Series Handheld Thermal Imaging Monocular is a pocket-sized night vision powerhouse, offering exceptional performance at an affordable price. It is equipped with a highly sensitive infrared detector, providing multiple resolutions and lens options to meet your diverse needs in various environments.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

### Features

- o **APEXVISION:** Next-gen infrared imaging system for ultra-clarity
- o **Ultra-Lightweight:** Only 320 grams, effortlessly portable.
- o **Comfortable Viewing:** 0.32-inch screen for clear and smooth visuals.
- o **Extended Battery:** Up to 5 hours of use, 20W quick charging for worry-free power.
- o **Audio-Visual Sync:** Record video with synced audio.
- o **Smooth Operation:** One-button, one-ring design for seamless control.
- o **Rugged Design:** IP67-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        | TE425S  |
|----------------------|---|
| <b>Sensor</b>        |   |
| Core Technology Item | Equipped with full ApexVision S1 system architecture: Detector ApexCore S1 + Platform Nexus 1.0 + Algorithm Hyper-Light 2.0 |
| Type                 | Uncooled VOx Infrared Detector, 8 to 14μm   |
| Resolution           | 400×300@12μm  |
| NETD                 | 15mK  |
| Frame rate           | 50Hz  |
| <b>Lens</b>          |   |
| Objective lens       | 25mm, F0.9  |
| Field of view        | 11.0°×8.2°  |
| FOV m@100m           | 19×14   |
| Magnification        | 1.9x-7.6x   |
| Detection range      | 1300m/1400yd  |
| Focus                | Manual  |
| <b>Display</b>       |   |
| 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: 13.8x  |
| <b>Hardware</b>      |   |
| WIFI                 | 2.4G, 5G  |
| Interface            | USB-C (Charging/Power supply/USB2.0)  |
| Others               | Microphone, Bluetooth   |
| <b>System</b>        |   |
| Recording function   | Photo/Video (Audio recording included)  |
| Memory capacity      | 32GB  |
| <b>Power</b>         |   |
| Battery type         | Built-in Battery  |
| Operating time       | 5 hours (Support 20W quick charging)  |
| <b>Environmental</b> |   |
| Operating temp.      | -20°C to 50°C / -4°F to +122°F  |
| Encapsulation        | IP67  |
| <b>Physical</b>      |   |
| Weight (g/oz)        | 320/11.29   |
| Size (mm/in)         | 157x51x47/6.18×2.01×1.85  |
| Standard             | Device, Wrist Strap, Carry Bag, Lint-Free Cloth, USB-C to USB-C Cable, Quick Start Guide, Warranty Card                     |
| Optional             | Quick Charging Adapter, 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.