



# TU Cute 3.0 Series

Thermal Imaging Scope

Big Vision, Smart Touch



## Introduction

The TU 3.0 Series redefines precision optics with advanced thermal imaging, modular design, and AI-powered performance. Offered in six sub-series—from ultra-light compact units to dual-spectrum, long-range solutions—they meet the demands of hunters, professionals, and tactical users alike. Featuring AI-enhanced imaging, shutterless design, ergonomic controls, IP68 protection, and dual-band Wi-Fi, they deliver reliable performance in any environment.

## Features

- o High-sensitivity thermal sensor × Hyper-light algorithm.
- o Integrated 1.43" touchscreen to reduce eye fatigue.
- o Shutterless 3.0 design ensures smooth, uninterrupted visuals.
- o Only 438g, effortlessly portable.
- o IP68-rated, shock resistance up to 6000J.
- o Dual-band Wi-Fi connection, OTA upgrade via TargetIR APP, ballistic solutions via Ballistic APP.

## Applications

- o Night Hunting
- o Law Enforcement
- o Search & Rescue



## Specifications

| Product model        | TU425C 3.0   |
|----------------------|--|
| <b>Sensor</b>        |  |
| Type                 | Uncooled VOx Infrared Detector, 8 to 14μm  |
| Resolution           | 400×300@12μm   |
| NETD                 | 20mK   |
| Frame rate           | 50 Hz  |
| <b>Lens</b>          |  |
| Objective lens       | 25mm, F1.0   |
| Field of view        | 8.2°×8.2°  |
| FOV m@100m           | 14×14  |
| Magnification        | 0.7x~2.8x  |
| Detection range      | 1300m/1400yd   |
| Focus                | Manual   |
| <b>Display</b>       |  |
| Display type         | 1.43" AMOLED 466×466   |
| Color palettes       | White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia  |
| <b>Hardware</b>      |  |
| WIFI                 | 2.4G, 5G   |
| Interface            | USB-C (Charge/USB2.0)  |
| Tube diameter        | Standard 30 mm   |
| Others               | Microphone, Bluetooth  |
| <b>System</b>        |  |
| Recording function   | Photo/Video (Audio recording included)   |
| Memory capacity      | 32GB   |
| <b>Power</b>         |  |
| Battery type         | 18500 ×1 Battery (Built-in) and 18650 ×1 Battery (External)  |
| Operating time       | 12 hours   |
| <b>Environmental</b> |  |
| Operating temp.      | -20°C to 50°C / -4°F to +122°F   |
| Shock                | 6000J  |
| Encapsulation        | IP68   |
| <b>Physical</b>      |  |
| Weight (g/oz)        | 438/15.45  |
| Size (mm/in)         | 245×89×70/9.65×3.50×2.76   |
| Standard             | Device, Quick-Release Scope Mount, Carry Bag, 18650 Battery ×2, Battery Charger, 5V 2A Adapter (US, UK, Australia, and Europe), USB-A to USB-C Cable, Quick Start Guide, Warranty Card |
| Optional             | Bluetooth Remote Control, Laser Rangefinder, 18650 Battery   |

\* 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.