



GUIDE

Experience Visual Delight with AMOLED

TD Gen2 Series

Handheld Thermal
Imaging Monocular

Introduction

TD Gen2 Series follows the design of traditional optical equipment. It is a lightweight, portable, simple operation with a wide range of application scenarios for handheld thermal imaging monoculars. With a high-brightness AMOLED display, TD Gen2 Series provides clear imaging and a comfortable viewing experience with a battery life of up to 10 hours, making it the ideal equipment for outdoor night vision.

Features

- Boot up in 2 seconds and ready to use
- High-brightness AMOLED display for a comfortable observation
- Upgraded image algorithm for richer details
- Super long battery life of up to 10 hours
- IP66 encapsulation, rugged and durable
- New UI and interaction design for easier operation
- OTA firmware upgrade by connecting APP

Applications

- Night Hunting
- Law Enforcement
- Wild Adventure
- Search & Rescue
- Personal security
- Livestock Breeding



Specifications

Product model	TD211	TD411	TD421	TD431
Sensor				
Type	Uncooled VOx Infrared Detector, 8 to 14μm			
Resolution	256×192@12μm	384×288@12μm		
NETD	50mK	35mK		
Frame rate	50Hz			
Lens				
Objective lens	10mm, F1.0	19mm, F1.0	25mm, F1.1	35mm, F1.0
Field of view	17.5°×13.2°	13.6°×10.3°	10.4°×7.9°	7.5°×5.6°
FOV m@100m	31×23	24×18	18×14	13×10
Magnification	1.1x~2.2x	1.4x~5.6x	1.9x~7.6x	2.6x~10.4x
Detection range	500m/550yd	1000m/1090yd	1300m/1400yd	1800m/1950yd
Display				
Display type	0.23" AMOLED 640×400			
Color palettes	Black Hot, White Hot, Red Hot, Iron Hot, Blue Hot			
Eyepiece	Exit pupil distance 12 mm; Diopter: -4 to +2; Zoom: 18x			
Hardware				
WIFI	2.4G			
Interface	USB Type-C			
Power				
Battery type	Single, replaceable 18650 battery			
Operating time	12 hours	10 hours		
Environmental				
Encapsulation	IP66			
Physical				
Weight(g/oz)	280/9.88	330/11.64	325/11.46	345/12.17
Size(mm/in)	140×45×74/5.51×1.77×2.91	150×45×74/5.91×1.77×2.91		150×49×74/5.91×1.93×2.91
Standard	A device, lens cover and lanyard, Wrist strap, Carry bag, Eye mask, Battery charger, single 18650 battery, USB Type-C cable, Quick use guide, Warranty card			

* 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.