



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 14 μm			
Resolution	256 \times 192@12 μm	384 \times 288@12 μm		
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 $^{\circ}$ \times 13.2 $^{\circ}$	13.6 $^{\circ}$ \times 10.3 $^{\circ}$	10.4 $^{\circ}$ \times 7.9 $^{\circ}$	7.5 $^{\circ}$ \times 5.6 $^{\circ}$
FOV m @100m	31 \times 23	24 \times 18	18 \times 14	13 \times 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 \times 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 \times 45 \times 74/ 5.51 \times 1.77 \times 2.91	150 \times 45 \times 74/ 5.91 \times 1.77 \times 2.91		150 \times 49 \times 74/ 5.91 \times 1.93 \times 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			