

OPTICOELECTRON

THERMAL IMAGING RIFLESCOPE TERECON50-640 PRO



Description:

Terecon50-640 Pro is a compact thermal imaging scope developed for 24 hours operation under any weather and environmental conditions. The objective lens option allow the customer to choose perfect unit for your needs where the 50mm lens model will be great for long range missions. Riflescope has 640×512 high-sensitivity thermal detector and 1024×768 OLED monitor, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. The scope is mainly applied to scenarios such as patrolling, and hunting, etc. Powered with two CR123 batteries the Terecon50-640 Pro gives up to 4.5 hours of continuous operation time. An external 5V power bank (battery pack) can be easily connected via a USB connector for a significant increase of operating time. Onboard Wi-Fi module for live video streaming and video/images recording via application are also available.

Features

- 640×512 thermal resolution
- 12 μm, 35 mK NETD high sensitivity detector
- Fast 50Hz imaging
- 1024×768 resolution, 0.39-inch OLED display
- 1x, 2x, 4x, 8x digital zoom
- Digital image processing technology
- Video recording and snapshot, built-in EMMC (16 GB)
- Various reticle types and colors
- Stadiametric rangefinder
- Adjustable color palettes
- Wi-Fi data transmission
- Standby mode
- Waterproof, shockproof
- Up to 4.5 hours continuous working
- External power supply capability
- Limited 3-year warranty

Technical characteristics

Resolution:	640 × 512
Detector:	12μm, Uncooled, 50 Hz
Lens System:	50 mm; F/1.0
Magnification:	2.5× - 20×
Field of View:	8.8° × 7.0°
Digital Zoom:	1×, 2×, 4×, 8×
Eye Relief:	45 mm
Display:	0.39-inch, OLED, 1024×768, 50 Hz
Reticle:	5 types, 4 colors, on/off
Boresight Adjustment:	Digital Controlled
Boresight Increment:	0.15 mil / 0.52 MOA
Distance Measurement:	Yes (Stadiametric Rangefinder)
Palettes:	Black Hot, White Hot, Red Hot, Fusion
Scene Mode:	Jungle, Recognition
Picture In Picture Mode (PIP):	Yes (2× Zoom)
Hotspot:	Yes
Standby Mode:	Yes
Video Recording:	Yes
Picture Snapshot:	Yes
CVBS Output:	Yes (via USB)
Defective Pixels Correction (DPC):	Yes
Uniformity Correction:	Auto, Manual, External Correction
Storage:	Built-in EMMC (16 GB)
Battery Type:	Two CR123 (3V) Lithium or two RCR123 (up to 4.2V) Rechargeable Batteries
Battery Life (Operating, 20°C):	Up to 4.5 hr
External Power Supply:	5 VDC/2 A, USB Type-C interface
Operating Temperature Range:	-20°C to +55°C (-4°F to +131°F)
Degree of Protection:	IP67
Drop Test Height:	1.5m (4.9 feet)
Weight (w/o battery):	0,76 kg (1.67 lb)
Overall Dimensions:	205 × 82 × 85 mm (8.1 × 3.2 × 3.3 in)
Package Includes:	Thermal Imaging Rifle Scope, Mount, USB Cable, Lens Cloth, Manual



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