



OPTICOELECTRON

THERMAL IMAGING RIFLESCOPE TERECON35-640



Description:

Terecon35-640 is the compact thermal imaging scope developed for 24 hours operation under any weather and environmental conditions. The objective allows the customer to choose perfect unit for your needs where 35mm lens designed for medium range shooting. Thermal image riflescope has 640×512, 12µm 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 device is used as a thermal rifle scope or handheld monocular. The scope is mainly applied to scenarios such as patrolling, hunting, etc.

Powered with two CR123 batteries the Terecon35-640 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 50 Hz imaging
- 1024×768 resolution, 0.39-inch OLED display
- 2x (TS35) and 2.5x (TS50) optical magnification
- 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:	35 mm; F/1.0
Magnification:	2× - 16×
Field of View:	12.5° × 10.0°
Digital Zoom:	1×, 2×, 4×, 8×
Observation Distance:	1,750 m
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:	0.21 mil / 0.73 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):	535 g (1.18 lb)
Overall Dimensions:	187× 63 × 80 mm (7.4 × 2.5 × 3.1 in)
Package Includes:	Thermal Imaging Rifle Scope, Mount, USB Cable, Lens Cloth, Manual



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