

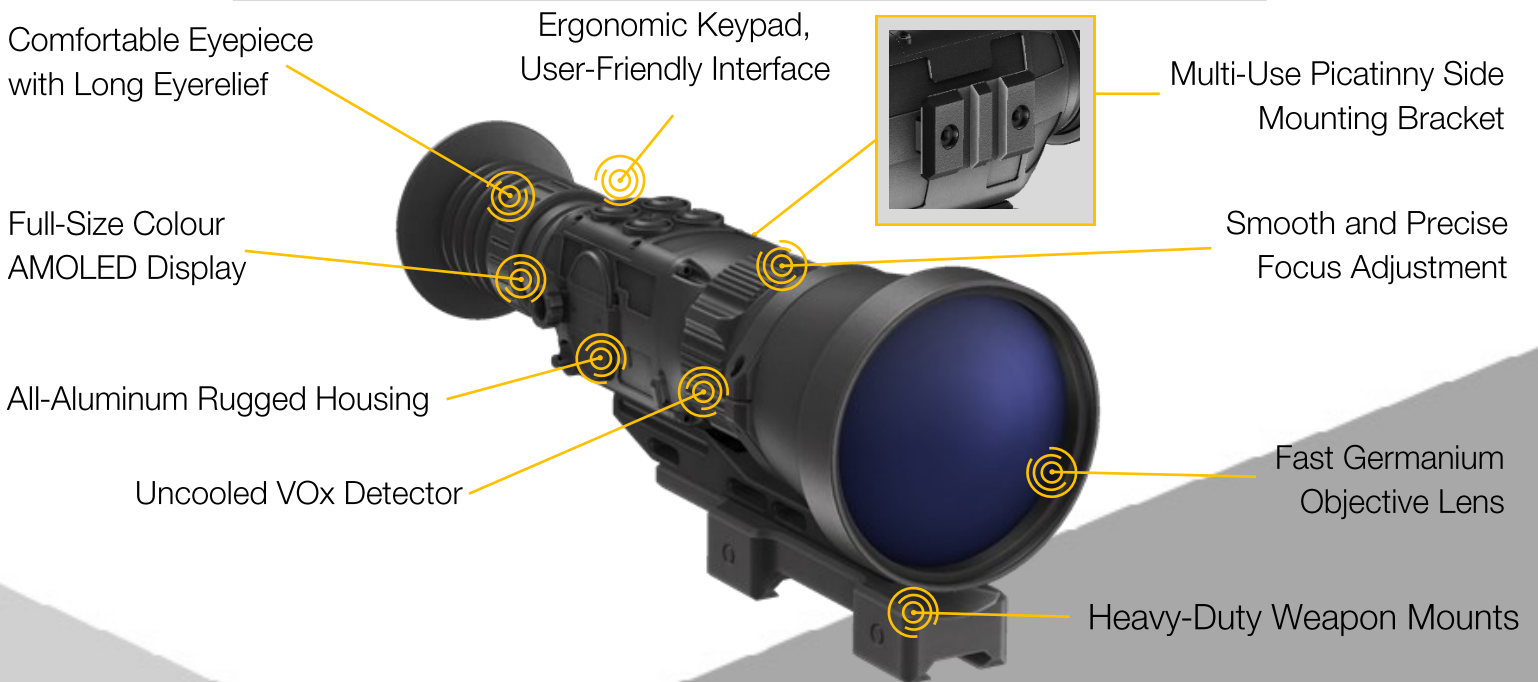


NIGHTOPTIX™

Scotopia-ER100 Thermal Sight

Scotopia extended-range thermal sights are designed for a wide range of applications for professional users, and provide them with an unrivaled advantage during day and night operations in detecting, observing and engaging targets.

The extended range family incorporates the latest infrared technology, electronics and the highest quality optical components to deliver best in class performance and reliability. All model variations produce superior infrared imagery, ensuring target recognition and engagement at the maximum possible range, while preserving the legacy format, features and options. Based on a 12-micron uncooled VOx sensor, they are built for plug-and-play applications, with increased detection and recognition capabilities and the comfort of distortion-free long eye relief.





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Scotopia-ER100 Technical Specifications

Optical Magnification	5.7X
Objective Lens System	100mm
Field of View	4.4° x 3.3°
Focusing Range	1.5m .. Infinity
Diopter Adjustment Range	-6 .. +4
Eyepiece	> 40mm
FPA Type	Uncooled VOx Detector
FPA Resolution and Pitch	640x512, 12µm
FPA Sensitivity (NETD)	<40mK
FPA Refresh Rate	50Hz
Digital Zoom	1X, 2X, 4X
Internal Display	Large Size: 0.6-Inch Diagonal, AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 4 Colour Palettes
Shot-Initiated FOV Feature (SIF)	Built-In Adjustable Shot Sensor
Electronic Reticles	8 Patterns, Easy Zeroing / Calibration
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes
Signal Noise Reduction (SNR)	Yes
Stow Safety Feature (SSF)	Yes
Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display)	Optional: 3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope
Integrated Compass	Optional
Pitch / Roll / Azimuth Indications	Optional
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats
Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	4720m / 6385m
Recognition Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	1770m / 2395m
Identification Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	945m / 1275m
Hand-Held Configuration	Yes
Tripod-Mountable	Yes
User Profiles (Configurable)	Yes
Reset to Factory Defaults	Yes
Automatic Power Down Control	User-Configurable: 10 .. 60 minutes of inactivity
Accepted Batteries	2 (two) CR123 of Any Type: Lithium / Rechargeable
Universal Port	Video-Out, Remote Control and External Power (4VDC .. 15VDC)
Battery Life on 2x CR123	Up to 6 Hours
Environmental Protection	Fully Waterproof, Nitrogen-Purged Housing
Dimensions	230 x 85 x 85 mm
Weight	720 grams
Operating Temperature	-40°C .. +50°C
Warranty	7 Years, Limited



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STANDARD EQUIPMENT: WHAT'S IN THE BOX

1	Thermal Imaging Sight
2	Long Eyereief Rubber Eyecup (<i>Attached</i>)
3	Front Lens Protective Cover (<i>Attached</i>)
4	Heavy-Duty Rifle Mount MAK-PICATINNY (<i>PICATINNY, Adapter included, Allen Key Included</i>)
5	Demist Shield
6	USB Power Cable
7	Video-Out Cable
8	Soft Carrying Pouch
9	User Manual
10	Quick Reference Card
11	Waterproof Hard Carrying Case
12	Cleaning Kit (<i>3-in-1 Multi-Pen + Cleaning Cloth</i>)

* Batteries not included