

ELECTRONICS & DEFENSE



IRONSNAKE™

Lightweight day/night
reflex weapon sight





IRONSNAKE

DETECT.
IDENTIFY.
ENGAGE.

Designed for assault rifles and light machine guns (5.56/7.72), the IRONSNAKE reflex sight offers a clear direct view channel enhanced by high contrast thermal imagery and a configurable digital reticle.

Combining a lightweight, small form factor package with innovative, state of the art camera/display technologies, IRONSNAKE is the most compact new-generation weapon sight on the market (size, weight and power concept).



Two-in-one weapon sight for reflex shooting and day/night target decamouflage.



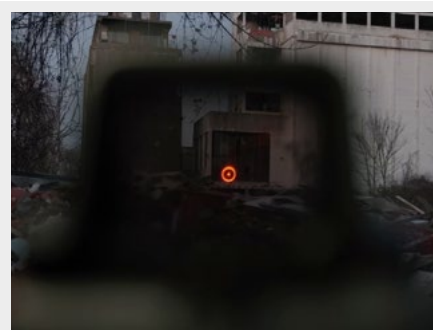
Exceptional situational awareness for all lighting conditions.



Compatible with night vision goggles and magnifiers use.



FUSED DAY AND NIGHT REFLEX SIGHT FOR ENHANCED SITUATION AWARENESS



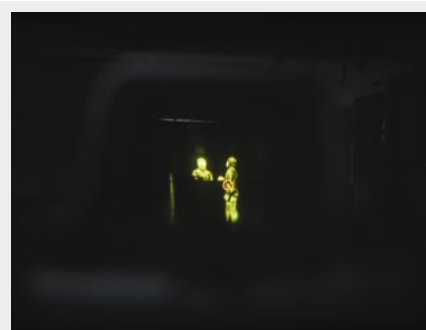
RED DOT SIGHT

The red-dot sight with digital reticle adapts to any weapon/ammunition pairing, offering quick adjustment to suit any shooting situation. It supports engagement with two eyes open for reflex shooting.



DVO/IR FUSION

In thermal mode, the Direct View Optic is enhanced by high contrast thermal imagery, providing additional decamouflage capability in daylight and low-light conditions.



THERMAL IMAGER

The uncooled IR sensor integrated in a latest-generation camera module, ensures outstanding image quality, including on-board processing. The three IR modes are usable 24/7 day and night in all weather conditions for detection, identification and engagement.

With more than 200,000 portable optronics equipment delivered over the last 30 years, including more than 15,000 riflescopes to the French Army, Safran Electronics & Defense has incomparable expertise in the design and mass production of high-performance portable optronic equipments.



UNRIVALED COMPACTNESS

- The best **performance to weight ratio** in its class: the **smallest** and **lightest** high performance two-in-one weapon sight



DAY/NIGHT TARGET DECAMOUFLAGE

- **Direct View Optics (DVO)** for positive identification by day
- **Thermal image** for detection and identification by day and night
- **DVO/IR fusion** for decamouflage by day and low light conditions
- Compatible with **Night Vision Goggles (NVG)** use, enabling I²/IR fusion by night



REFLEX SHOOTING

- **Configurable digital reticle** (selectable or customizable), suitable for **assault rifles and light machine guns** (5.56 and 7.62 calibers) and any weapon-ammunition pairing
- Soldiers keep **both eyes open**, allowing them to be fully aware of their surroundings while engaging targets



LONG OPERATIONAL LIFE

- More than **1,000h** in red dot mode
- More than **10h** in thermal mode
- Powered by 3x standard AA batteries



HIGH-PERFORMANCE INFRARED

- The integration of the latest-generation **IR camera module**, equipped with a 12 µm thermal sensor from LYNRED, ensures outstanding image quality, including on-board processing
- Recognition up to **600 m** (640 m with 3x magnifier)
- Identification up to **250 m** (280 m with 3x magnifier)



FOR ALL LIGHTING CONDITIONS

- Multiple **brightness** settings, including night vision mode
- Tilting **high-luminance** filter, offering rapid adjustment to suit any shooting situation



ERGONOMIC DESIGN

- **Simple and efficient** user interface
- **Single-handed** operation with **symmetrical** three-button control
- **Instant** view mode change, in a single click
- Lever actuated **rail grabber** for positioning without special tools
- **Rugged and durable, with Low Total Cost of Ownership (TCO)** thanks to virtually no maintenance



ECOSYSTEM

- **USB-C** interface
- Compatible with **magnifier use**
- **Remote control compatible**
- Other multiple **accessories**



APPLICATIONS

- **Dismounted Reconnaissance and Surveillance**
- **Close Quarters Battle (CQB)**
- **Combat Support**
- **Police and Customs**

THERMAL MODES FOR DAY/NIGHT TARGET DECAMOUFLAGE

FULL IR MODE



BLACK HOT MODE



OUTLINES MODE



TECHNICAL SPECIFICATIONS

LIGHTWEIGHT DAY/NIGHT REFLEX WEAPON SIGHT

PHYSICAL

Dimensions	150 mm × 70 mm × 80 mm
Weight	<450 g (with battery)
Compatible weapon calibers	5.56 mm and 7.62 mm
Ecosystem	Magnifier compatibility Remote controller compatibility Usable with operating NVG, offering unique I ² /IR fusion Picatinny interface

POWER

Run time in thermal mode	>10h
Run time in red dot mode	>1,000h
Power supply	3× AA

OPTICS DAY

Field of view (H × V)	12.5° × 9.4°
Sensor resolution	1×
Objective	Fixed focus, sharp from 20m to infinity
Eye relief	80-200mm
Window size (L × H)	31mm × 28mm

OPTICS THERMAL IMAGING SIGHT

Sensor resolution	640 × 480 VGA 12 μm pixels
Spectral band	8-14 μm uncooled
Thermal modes	Full IR, Black Hot and Outlines
Display	High luminance OLED screen 800 × 500 pixels
Time before 1st image	<1.5sec

Please refer to the product datasheet for additional technical specifications.

THERMAL RANGE (NATO HUMAN TARGET/1.7 X 0.9 M)

IDENTIFICATION



RECOGNITION



POWERED BY TRUST

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