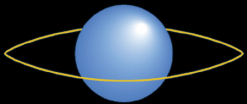
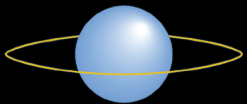
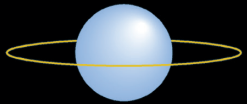




ILTIS-S

Uncooled Lightweight Thermal Weapon Sight



BH

GPMG

1X



ILTIS-S

Uncooled Lightweight Thermal Weapon Sight

Description

ILTIS-S is a compact, lightweight, uncooled thermal weapon sight for small arms. ILTIS-S features a 8-12 μm single Field of View uncooled thermal imager and a high resolution OLED display and viewer, all housed in a ruggedized and sealed housing. ILTIS-S, when mounted on small arms or individual weapons, will enable the user to detect, acquire and engage targets during day and night.

Configuration

ILTIS-S comprises the following main components :

- Uncooled Thermal Imager
- Main Electronics Board
- OLED display and viewer
- Ruggedized and Sealed Housing

The ILTIS-S is an uncooled single FOV LWIR (8-12 μm) thermal Imager based on the VOx microbolometer technology.

The main electronics board includes and controls the thermal imager signal, the image processing, the OLED and monitors and controls all power and communication interfaces.

The OLED display is a miniature, high resolution monochrome display coupled to a monocular diopter adjustable magnifying viewer fitted with a light concealing rubber eyecup.

The metal ILTIS-S housing is ruggedized, sealed and Nitrogen purged. It features an integrated MIL-STD-1913 (Picatinney) interface for mounting the sight on the weapon. Other types of mechanical adapters are available (optional).

Features

- Lightweight
- Compact
- Day/night operation
- Quick initialization process (from power up to displayed image of the scene)
- Can be mounted on any type of rifle (Picatinney rail or custom made)
- Can be used as hand held monocular Thermal Imager
- Powered by standard AA batteries.
- Integrated OLED display.
- High reliability

Applications

- Infantry
- Special forces
- Future soldiers
- Covert operation

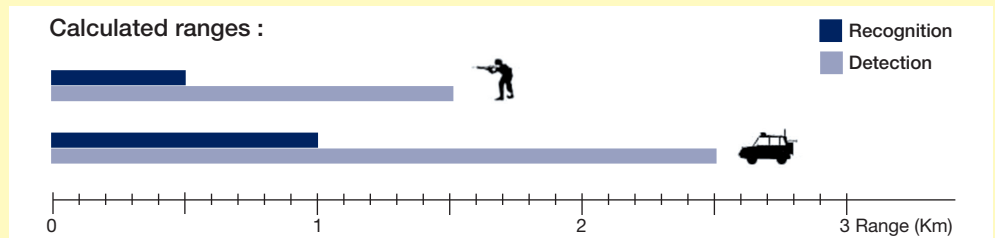
Options

- Integrated day camera for "see spot" or laser pointer
- Custom made weapon adapters

Quality

The quality management system applied by OIP Sensor Systems for design, development and manufacturing of opto-electronic systems, is compliant with and includes the requirements of ISO 9001:2008, AQAP-2110 Ed.1, ECSS-Q-20B and has been certified by the British Standard Institute under certificate N° FM 80768.

RANGE PERFORMANCE



TECHNICAL SPECIFICATIONS

Wavelength	: 8-12 μm
Detector	
- type	: uncooled VOx microbolometer
- N° of elements	: 384 x 288
Field-of-View	: 13.3° x 10.0° or 8.0° x 6.0°
Electronic zoom	: x2, x3
Diopter adjustment	: +2 to -6 D
Display	: high resolution OLED
Focus adjustment	: yes

Power sources

6x L91 AA Batteries (autonomy \geq 5hrs)
6x Rechargeable NPF 550

Mechanical

Weight : \leq 1.2 kg (incl. batteries & interface)
Dimensions : 246x99x64 mm

General

Operating temperature : -30°C to +55°C
Environmentals : MIL-STD-810F

Data are for information only and can be subject to change without prior notice

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