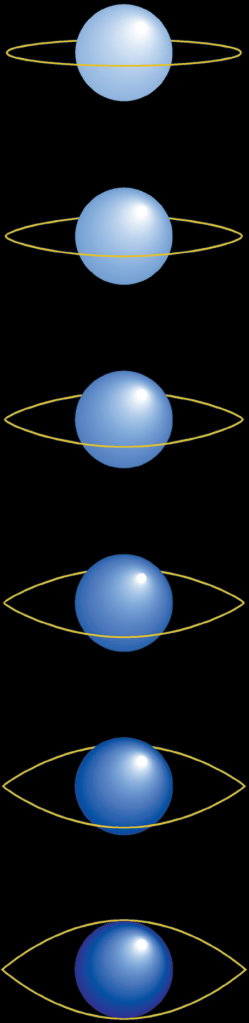
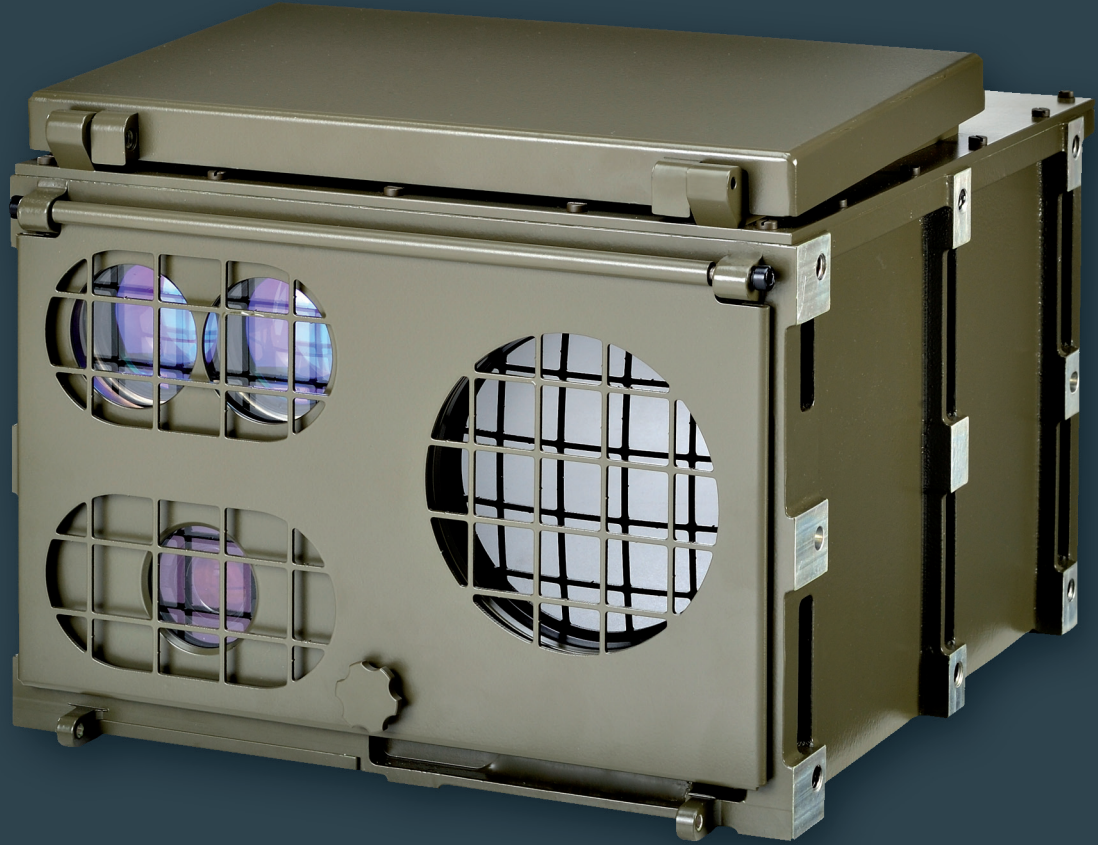


Mini-EOPTRIS

Miniaturized Electro Optical Ranging and Imaging System





Mini-EOPTRIS

Miniaturized Electro Optical Ranging and Imaging System

Description

OIP's Mini-EOPTRIS is a direct spin-off of the Electro-Optical Ranging and Imaging System (EOPTRIS), developed specifically to offer performances similar to those of the EOPTRIS, but with much reduced weight and size.

Mini-EOPTRIS is a fully integrated imaging system, especially developed for Remotely Operated Weapon Stations equipped with light to medium-caliber weapons.

In its basic configuration it features an uncooled thermal imager and a colour CCD camera. Numerous options are available.

In its high-end version, the Mini-EOPTRIS is a true Fire Control Systems able to link to various types of external sub-systems providing data for enhanced accuracy of the ballistic solutions.

Mini-EOPTRIS provides a 24 hours surveillance and target acquisition capability.

Like the EOPTRIS, Mini-EOPTRIS is a line replaceable unit (LRU) featuring an hermetically sealed enclosure with shop replaceable units (SRU's) in an open frame architecture, allowing for enhanced compactness and modularity.

Basic architecture and modular approach allow to design several types of variants and to implement future technological improvements.

Applications

- Surveillance and reconnaissance
- Target acquisition
- Fire control

Features

- High performances
- Extra compactness and modularity
- Very lightweight
- Excellent image quality
- Growth potential
- MOTS product
- Sealed unit
- High reliability

Options

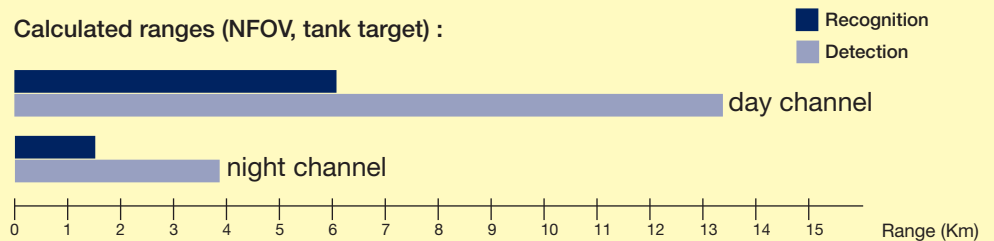
- Laser Range Finder
- Auto-Tracker
- Stabilization Unit
- Image Processing and Image Stabilisation
- Full Fire Control System
 - Linked to :
 - Integrated Ballistic computer
 - Multi-Function Display (MFD)
 - Joystick (optional)
 - Compatible with :
 - Positional Accuracy Systems
 - Laser Warning Systems
 - Etc....

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

Calculated ranges (NFOV, tank target) :



TECHNICAL SPECIFICATIONS

Thermal Imager (uncooled)

Wavelength	: 8 - 12 μ m
WFOV	: 12° x 9°
NFOV	: 4° x 3°
Resolution	: 384 (H) x 288 (V)
Video Format	: CCIR B/W

Day Camera

Sensor	: 1/4" CCD Colour
Horizontal FOV	: 42° - 1.7°
Optical zoom ratio	: 24 x
Digital zoom ratio	: 12 x
Sensitivity	: 0.7 lux

Laser Range Finder (optional)

Type	: Class1M Eyesafe
Wavelength	: 1.54 μ m
Range	: 30 - 5.000 m
Range accuracy	: \pm 5 m

Electronics & Power Units

Embedded computer	: compatible with PC 104
Power supply	: 16 VDC - 32 VDC (Mil-Std-1275B)
EMC / EMI	: Mil-Std-461 E / 464
Power Consumption	: 40 W nom / 100 W max
Communication protocol	: RS422 / CANBUS

Weight : < 14,5 kg

Dimensions (LxWxH) : 315 mm x 304 mm x 204 mm

Environmentals : Mil-Std-810F

Climatic conditions : STANAG 2895: A2, A3, B0, B1, B2, B3, C0 and C1

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

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