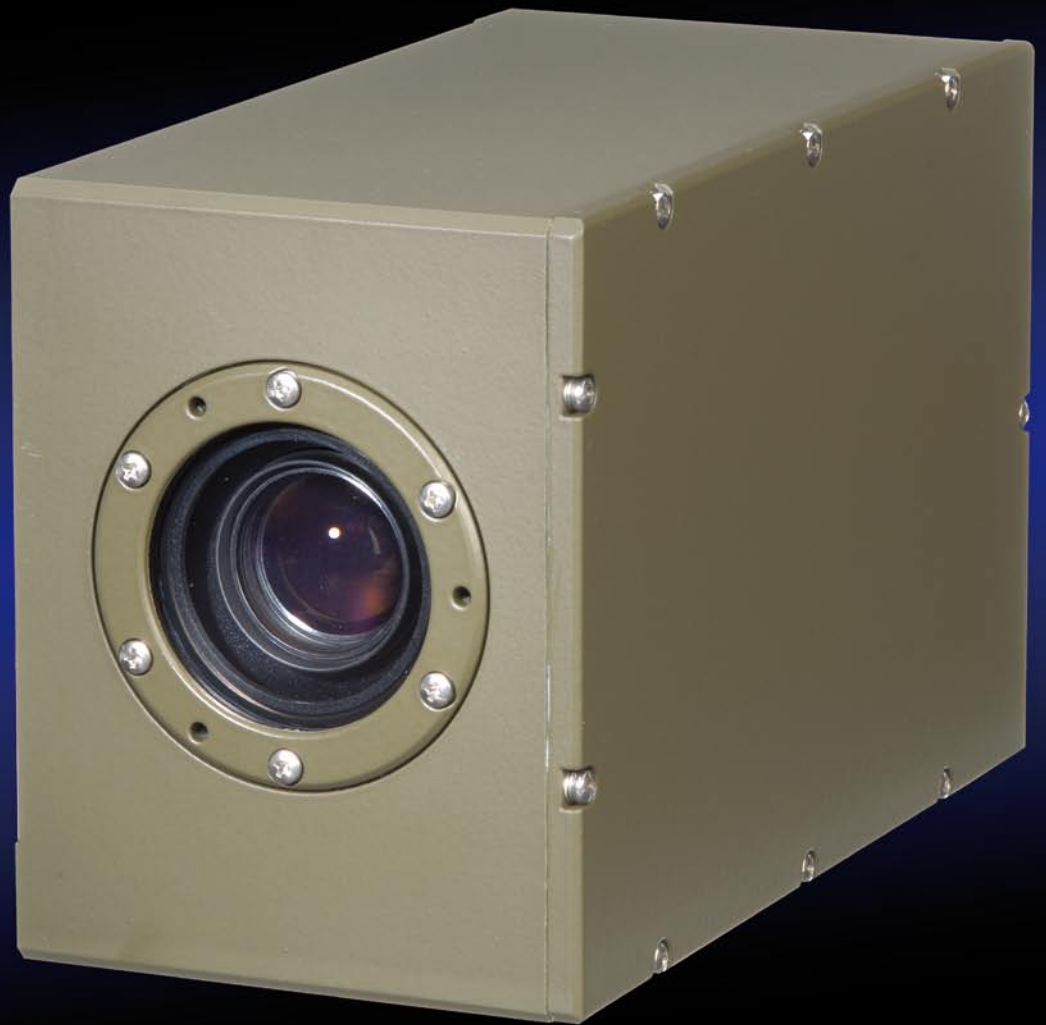
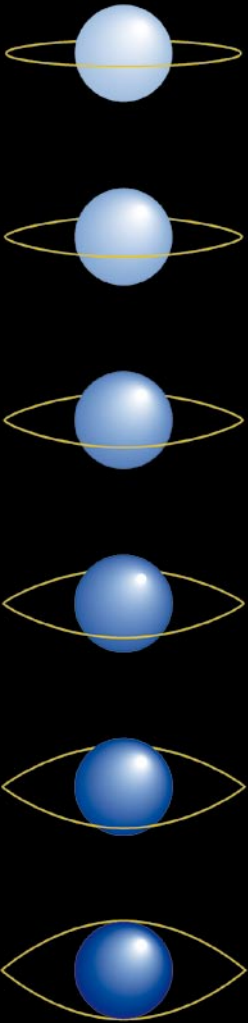




VINIRIS-S

Visible and Near-InfraRed Imaging System





VINIRIS-S

Visible and Near-InfraRed Imaging System

Description

OIP's visible and near-infrared imaging system (VINIRIS-S) is a generic VIS/NIR CCD camera that consists of 3 major SRUs : visible/NIR observation unit, environment conditioning unit and a self-diagnostics unit. VINIRIS-S was especially developed for being used on fire control systems, remotely operated weapon stations and recognition systems.

The system was designed as line replaceable unit (LRU). The concept results in a hermetically sealed enclosure with shop replaceable units (SRU's) in an open frame architecture. This approach results in a lightweight and modular product.

VINIRIS-S is based on OIP's long experience in the field of developing and manufacturing observation equipment and fire control systems.

The basic architecture and the modular approach enable the adoption of different configurations, as well as the adaptation to future technological improvements.

Applications

- Surveillance and reconnaissance
- Target acquisition
- Fire control

Specially adapted for installation on remotely weapon stations (wide variety of calibers).

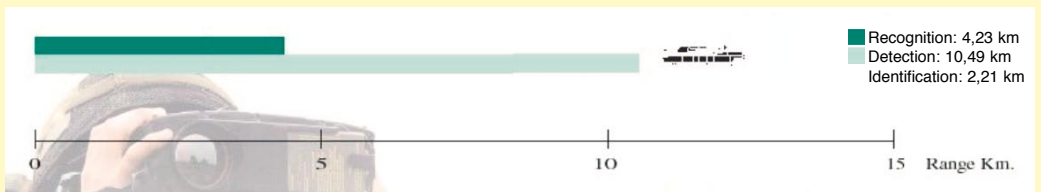
Features

- High performances
- Compact and modular
- Lightweight
- Excellent image quality
- Growth potential
- MOTS product
- Sealed unit
- High reliability

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 9001:2000, AQAP-2110 Ed.2, ECSS-Q-20A and has been certified by the British Standard Institute under certificate N° FM 80768.

Range performance of VINIRIS-S for a NATO target of 2,3m x 2,3m with 23km visibility



TECHNICAL SPECIFICATIONS

VIS/NIR Camera

| | |
|----------------------|----------------------------|
| Sensor | : 1/4" CCD VIS/NIR |
| Horizontal FOV range | : 42° to 1,75° |
| Optical zoom ratio | : 26 x |
| Digital zoom ratio | : 12 x |
| Sensitivity | : 0.7 lux (VIS) |
| Video signal | : CCIR PAL/ CCIR BW or Y/C |

Weight : < 2 kg

Dimensions (LxWxH) : 195,5mm x 115mm x 89mm

Environmentals : Mil-Std-810F

Climatic conditions

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

Electronics & Power Units

| | |
|------------------------|-----------------------|
| Embedded computer | : Custom boards |
| Power supply | : 16 VDC – 32 VDC |
| EMC / EMI | : Mil-Std-461 E / 464 |
| Power Consumption | : 2 W nom / 22 W max |
| Communication protocol | : RS422 |

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

OIP N.V.
Westerring 21
B-9700 Oudenaarde
Belgium
Tel.: +32(0)55 333 811
Fax: +32(0)55 333 802
e-mail: sales@oip.be
www.oip.be

OIP
Sensor Systems