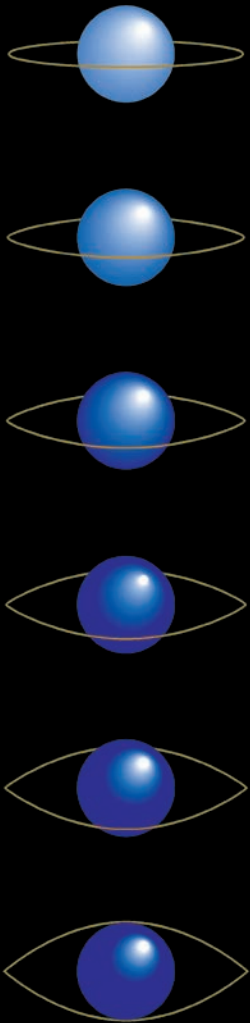


LRS 8

Fire Control System



LRS 8

Fire Control System



Description

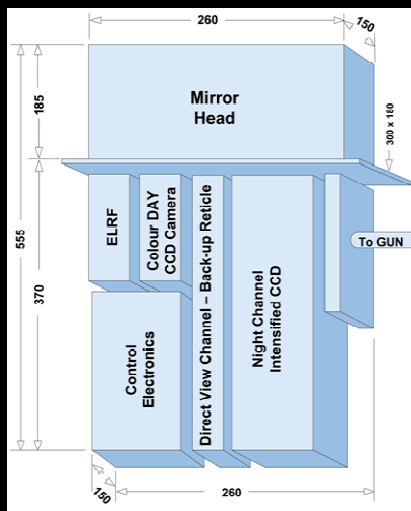
The LRS 8 is the next generation of the successfully integrated LRS family of fire control systems. The compact housing comprises all elements of a fire control system to increase the first hit probability of a vehicle mounted gun. Images are generated electronically and displayed on an LCD screen, allowing integration flexibility and optimal ergonomics for the gunner.

Compact and easy to install

The LRS 8 is even more compact than its predecessor and can be built into most types of armoured vehicles while interference with the turret is kept to a minimum.

Easy to use and maintain

The flexibility of the large colour LCD screen allows a very user friendly operation. The electronic computing allows extensive fire control and diagnostic modes. The solid state electronic and opto-electronic modules are very reliable and require minimal maintenance.



Configuration

- Video day channel
- Back-up optical day channel
- Night channel
- Eye-safe Laser Range Finder
- Ballistic Computer
- Colour LCD Monitor
- Link to Gun

Features

- Compact
- Cost-effective
 - Easy to install
 - Easy to use
 - Easy to maintain
- High reliability
- High MTBF

Options

- Monitor for Commander
- Meteo sensor
- Cant angle sensor

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-110 Ed.2, ECSS-Q-20A and has been certified by the British Standard Institute under certificate N° FM 80768.

TECHNICAL SPECIFICATIONS

Day Colour Zoom Camera

- Minimum Horizontal FOV : 1,8°
- Maximum Horizontal FOV : 16,8°
- Focus : automatic
- Contrast, brightness : automatic
- Overexposure : protected through Iris closure

Night Image Intensified Channel

- Horizontal FOV : 7,0°
- Focus : fix focus > 100 metres
- Contrast, brightness : Adjustable
- Zoom : 3° to 7°

Eye-safe Laser Range Finder

- Maximum Range : 10.000 metres
- Minimum Range : 75 metres
- Resolution : +/- 5 metres

Combat Horizontal FOV : 7°

Back-Up Optical Sight

- Magnification : 4x

Excursion Range

- Down : -10°
- Up : +35°

Display, Flat Panel LCD

- Size : 10 inch LCD
- Resolution : 800 x 600 pixels
- Controls : Softkeys
- Option : Commander Display

Power Supply

- Voltage : 24 Volt DC Nominal
- Power : 250 Watt max (50 W Nom)

Physical

- Weight : 25kg
- Dimensions : see drawing

Environmentals : MIL-STD-810E

OIP nv

Westerring 21
B-9700 Oudenaarde, Belgium
Tel.: +32 (0)55 333 811
Fax: +32 (0)55 333 802
Email: sales@oip.be
http://www.oip.be

 **OIP**
Sensor Systems