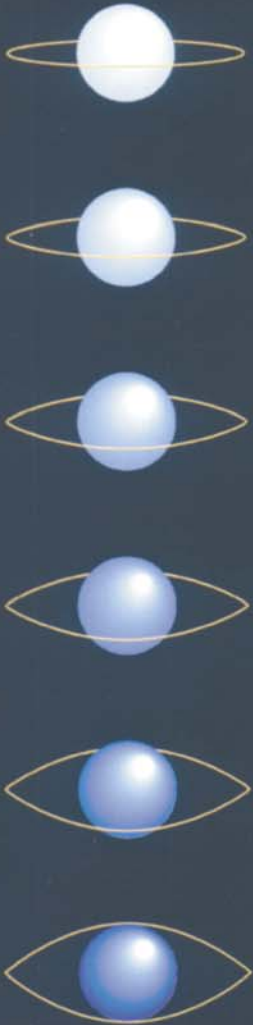




LORIS

Monocular Night Vision Devices





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Description

LORIS is a family of high performance monocular night vision devices to be used as hand-held observation systems or as mono or stereo goggles on a face mask or helmet mount. LORIS is available with integrated batteries or with a remote battery pack used as counter balance on the back of the face mask or helmet mount. Enhanced optics permit future integration of latest technology image intensifier tubes.

Configuration

LORIS consists of :

- a fiber-enforced plastic moulding containing :
 - an ANVIS-type GEN2, SuperGen, GEN3 or XD-4™ Image Intensifier Tube
 - a 1x magnifying focusable objective, with protective cover and day-training filter
 - an eyepiece with dioptré setting indications, eyeguard (with demist filter) and a combined in-eyepiece IR-LED/ON and battery-low indicator
 - integrated batteries (for the handheld monocular system)
- a remote battery pack (for the face mask or helmet mount system)
- a flip up / switch off module

Accessories & options

A variety of accessories and options to the LORIS is available :

- 60° FOV optics
- 4x magnifying add-on objective
- Face mask (mono or stereo)
- Helmet mount (mono or stereo)
- Laser filter
- Sacrificial window
- Minus blue filter (cockpit and instrument panel lighting compatible)
- Carry bag
- Transport case

FEATURES

- Enhanced comfort
- Increased resolution
- Enhanced, low-distortion optics
- Lightweight
- Compact & robust
- Built-in IR illuminator
- Ergonomic OFF/ON/IR rotary switch
- IR switch protected against accidental activation
- Monocular (left or right eye) or binocular
- Flip up / switch off capability
- Dioptré setting indications
- Adjustable interpupillary distance (binocular)
- Ease of operation
- IR LED ON / Battery-low indicator
- Operation under severe conditions
- High performance
- Low life cycle cost
- High reliability
- High MTBF

Quality

The quality system applied by OIP for development and production is in accordance with NATO AQAP-110 and ISO-9001 directives.

TECHNICAL SPECIFICATIONS

Sight

Magnification	1x
Field of View (FOV)	40° (option 60°)
Focusing range	25 cm to ∞
Resolution (typical)	≤ 0.8 mrad/lp
Exit pupil / eye relief	10 mm / 26 mm
IR-LED	incorporated
Dioptré adjustment	-5 to +2
Battery type/life (at + 20°C)	2 standard AA size Alkaline: ≥ 150 hours Nickel Cadmium: ≥ 50 hours
Weight (excl. battery pack)	≤ 320 gr
Dimensions (L x H x W) in mm	115 x 65 x 48

Face mask / helmet mount

Sight position	movement in 3 axis
Interpupillary adjustment	52 to 76 mm (stereo system)
Flip-up / switch off	yes

General

Environmental	Mil-STD-810E
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Data are for information only and can be subject to change without prior notice

Loris is a small arboreal, nocturnal animal with large eyes. It can move and climb very quickly.

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