

LUCIE 2D

Night vision goggle with video display

LUCIE 2D is an image intensified night vision goggle incorporating a video display, capable of superimposing data or video onto the intensified image.

LUCIE 2D heralds a new step in compact, lightweight optical performances in the optronics field for infantryman while offering new essential functions for modern warfare.

LUCIE 2D is an ultra-compact and lightweight goggle, allowing remote aiming, II - IR optical fusion and data display overlays.

Compliant with soldier systems and video standards. LUCIE 2D is low profile with a wide 51° field of view, and a video display of 42.5°.

LUCIE 2D is equipped with a variable gain image intensifier tube and display brightness Adjustment in order to balance the viewed image.

With its ruggedised, waterproof design, LUCIE 2D compiles with military specifications.



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The LUCIE 2D video display capability allows:

- the visualisation of data from the system
- the remote aiming from a camera mounted on the weapon, ensuring the soldier protection
- Fusion of intensified and infrared images by mean the adjunction of a thermal camera connected to goggle

LUCIE 2D can be mounted on all systems for infantryman or be coupled with all kinds of cameras thanks to its multi-standard electrical interface. With its folding optical architecture, LUCIE 2D offers a close to face low profile, decreasing torque of the helmet-mounted equipment and assures long wearing comfort.

Standard Configuration

- User manual
- Connection cable
- Carrying bag
- Protective caps
- Cleaning set
- Transport case
- Helmet mount

Optional Accessories

- 3.8x or 5x magnifier lens
- Magnifier carrying bag
- Removable battery housing box
- Clip-on thermal module

Main features

Magnification:	1x
Field of view of intensified image:	51° circular
Field of view of video display :	34° horizontal x 25.5° vertical (42.5° diagonal) for a 800x600 pixel display
Typical on-axis resolution of intensified image at optimum light level, with intensifier tube at 60pl/mm:	1.1cycle/mrd.
Diopter Adjustment:	-6 to +3 dioptries
Interpupillary distance:	56 to 74mm
Eye relief:	> 20mm
Focus range:	20cm to infinity
Goggle weight (without cable):	370g
Power supply:	Either from the system or from the (1) standard 1.5V AA battery (Lithium)
Communication interfaces:	RS232 serial link
Video standards compliance:	VGA, SVGA, CCIR, RS170 Built-in infrared illuminator with IR-on indicator Low voltage indicator when in stand alone mode. Automatic cut-off for intensifier in high light conditions.
Operating Temp:	-32°C to +44°C
Storage Temp:	-46°C to +71°C
Water Immersion:	1 metre for 2 hours
Optional accessories:	Objective lenses filters according to cockpit lighting, Transport case

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