

MINIE-D

Night vision goggle with video display

MINIE-D (or MINIE-Display) is an image intensified night vision goggle including a video display, capable to superimpose data or video to the intensified image. Based on an original patented design, MINIE-D constitutes a new step in compactness, lightweight and optical performances in optronics field for infantryman while offering new essential functions for modern warfare.

MINIE-D is an ultra-compact and lightweight goggle, allowing remote aiming, IL - IR optical fusion and data display.

Compliant with all types of new soldier systems and video standards. MINIE-D is low profile with a wide 51° field of view, and a video display of 42.5°.

MINIE-D provides adjustments of intensifier tube gain and display brightness, and is compliant with 3.8x and 5x magnifiers.

With its ruggedised, waterproof design, MINIE-D is in full accordance with military specifications.



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The MINIE-D video display adjunction allows:

- the visualisation of data from the system
- the remote aiming from a camera mounted on the weapon, ensuring the soldier protection
- the fusion of intensified and infrared images by mean the adjunction of a thermal camera connected to goggle (this module being proposed by Thales Angenieux in MINIE DIR system)

MINIE-D 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, MINIE-D offers a close to face low profile, decreasing torque of the helmet-mounted equipment and assures long wearing comfort.

Standard Configuration

- Goggle
- Interconnection cable
- Carrying bag
- User manual
- Protective caps
- Cleaning set

Optional Accessories

- 3.8x or 5x magnifier lens
- Magnifier carrying bag
- Helmet adaptor
- Transport case
- Removable battery housing box

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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 pixels image
Field of view with 3.8x magnifier:	9°
Field of view with 5x magnifier:	10°
Typical on-axis resolution of intensified image at optimum light level, with intensifier tube at 60pl/mm:	1.1 cycle/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 of the intensifier in high light conditions.
Operating Temperature	-32°C to +44°C
Storage temperature	-46°C to +71°C
Water Immersion	1 metre for 2 hours (Navy version on request)
Optional accessories:	Objective lenses filters according to cockpit lighting, Transport case

