

MONIE

Night Vision Monocular Device

MONIE constitutes a new step in the miniaturisation of the general purpose night vision devices.

Like LUCIE (night vision goggles), MONIE offers a wide 51° field of view and can be used either as a monocular or in BI-MONIE configuration with 3D effect.

MONIE is compatible with 2nd Generation tube, XD4, XR5 with autogating (option) or 3rd Generation tube.

MONIE offers 4 magnifications (1x in standard, 4x, 5x and 6x) and is in full accordance with military specifications.

MONIE monocular and BI-MONIE configuration devices are used for various applications hands-free or hand-held: walking, observation, aiming, driving or any night-time tasks.



MONIE

Night Vision Monocular Device

Mechanical & Environmental

- Ultra compact and lightweight
- Head-mounted or hand-held
- Adjustable gain for reducing eye strain
- Built in infra red illuminator with IR-on indicator in the eyepiece
- High light cut off set
- Powered by only one standard battery
- Low voltage indicator
- Waterproof
- Multi-features face-mask:
 - Quick mounting, dismounting, with auto-off when the monocular is flipped up or removed
 - Folding structure for storage
- Used for the right or left eye in hands-free operations
- Quick mounting magnifiers : 4x, 5x or 6x
- Weapon mount
- 3D vision for driving application

Standard Configuration

- Monocular
- Batteries
- Carrying bag
- Left eye support
- Face mask
- User manual
- Cleaning set
- Right eye support

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Optional Accessories

- 4x, 5x or 6x magnifier lens
- Helmet adaptor
- Transport case
- Weapon mount (picatinny interface)
- Binocular support (two monoculars)

Main features

Magnification 1x	Field of view 51°
Magnification 4x	Field of view 9°
Magnification 5x	Field of view 10°
Magnification 6x	Field of view 8.5°
Intensifier Tube	2nd Gen., XD4, XR5 with autogating (option) or 3rd Gen tube. Automatic brightness Control.
Typical on-axis resolution at optimum light level	1.1 cycles/mrd with XD4 tube (60 lp/mm) 1.2 cycles/mrd with XR5 tube (72 lp/mm)
Diopter Adjustment	-6 to +3 diopters
Eye Relief	>17 mm
Focus range	20cm to infinity
Monocular Weight (with battery)	<270g
Power Supply	(1) standard 1.5V or 3.6 V (Lithium) AA battery, 1.2 V rechargeable battery
Size	75 x 70 x 68 mm

Operating time at 20°C	Standard tube	Autogating tube
1.5 V battery	45 hours	25 hours
3.6 V battery	70 hours	40 hours
Operating Temperature	-51°C to +50°C	
Storage temperature	-51°C to +65°C	
Water Immersion	1 metre for 2 hours (Navy version on request)	



A comparison between MONIE & LUCIE goggles