



NIMOS NIGHT MOBILITY SUB-SYSTEM

NIMOS is a modular, lightweight, Helmet Mounted Display (HMD) integrated with a low light level digital TV for soldier night mobility. NIMOS can receive and display the ASPIS Rifle Sight InfraRed (IR) or TV video channels by wireless data link for 'shooting around the corner' capability.

NIMOS can also be integrated with the C2/C4i systems to directly display digital maps, coded messages and alarms, providing snapshots shared with C2/C4i.

MAIN FEATURES

- Low light level digital TV technology
- SVGA OLED colour display
- Fully integrated with all helmet sizes and protected by helmet mimetic fabric
- Enhanced ergonomics and lightweight equipment by applying advanced, reinforced composite material.

INTEGRATION

Nimos is a fully integrated device:

- It includes a LLLTV and the possibility to receive images from external devices as well. Typically it is connected to Selex ES's Aspis to deliver "shoot around the corner" capability.
- It is designed to be "NET-centric", i.e. integrated in a network via a wireless (but also wired) connection allowing the "Soldier System" to be in his centre with the possibility to exchange information (images and data) with the rest of the system.

TECHNICAL CHARACTERISTICS

Optical

Magnification	1x
Field Of View (FOV)	34° x 25.9°
Focus Range	30cm to infinity
Eye Relief	≥ 20mm
Micro Display	800 x 600
Resolution	Equivalent to Gen. II+ or type Gen. III
Sensitivity	Up to 10-3 lux (Gen III° level equivalent)

LLTV

Technology	IL tube coupled with CMOS sensor
Image Intensifier	Gen II + or type Gen III

Man Machine Interface

Multifunction	
Rotary - joystick	ON/OFF by pushing >3 sec access to menu by rotation and press to selection

Environmental

Complies with MIL-STD-810 F

Electrical Interfaces

Video Input	Colour VGA
Video Output	USB 1.1
Wireless Link	BlueTooth 2.0
Serial Link	RS232
Power	DC source

Mechanical Interfaces

Mounting	Can be installed on the helmet without the need for special tools
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Physical Characteristics

Total Weight	0.7Kg
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NIMOS can receive a display of the ASPIS rifle sight IR or TV video channels.