

Dual Sensor Night Vision Goggle (DSNVG), F6023DS

DSNVG, F6023DS

ITT Exelis (formerly ITT Night Vision) is the world's leading developer, producer, and supplier of Generation 3 image intensifier technology for U.S. and allied military forces, as well as the homeland security market. In addition to providing the AN/PVS-14, AN/AVS-6(V)3 and other legacy goggles, ITT Exelis is delivering the first fused dual sensor goggle, the DSNVG. ITT Exelis is committed to providing vision enhancement solutions for the future digital battlefield by developing advanced, digitally fused night vision systems.



DSNVG Description

This system combines an image intensified (I^2) tube and infrared (IR) micro-bolometer into a compact monocular. The monocular is approximately the same size as the AN/PVS-14. A separate battery pack provides power for helmet-mounted or hand-held use. The DSNVG will mount (helmet mount is optional) on a ACH helmet and will provide: flip-up, tilt, fore/ aft adjustment; left/right eye use; and quick disconnect from the helmet.

Soldier Benefits

DSNVG is the first head-mounted night vision goggle in production to provide fusion (via optical overlay) of I^2 and IR imagery. It will provide the following benefits to the user:

- Greater situational awareness due to improved threat detection under most obscurant environments; compatible with traditional weapon system ranges.
- Expanded viewing capability from highlight conditions to total darkness (no light) and through obscurants. Increases capability for urban operations.
- Improved wearing comfort due to better weight balance resulting in less fatigue.
- Easy-to-use controls similar to the proven AN/PVS-14.
- Non-exit pupil forming eyepiece allows soldier to maintain full field of view even as helmet shifts during vigorous physical movements.

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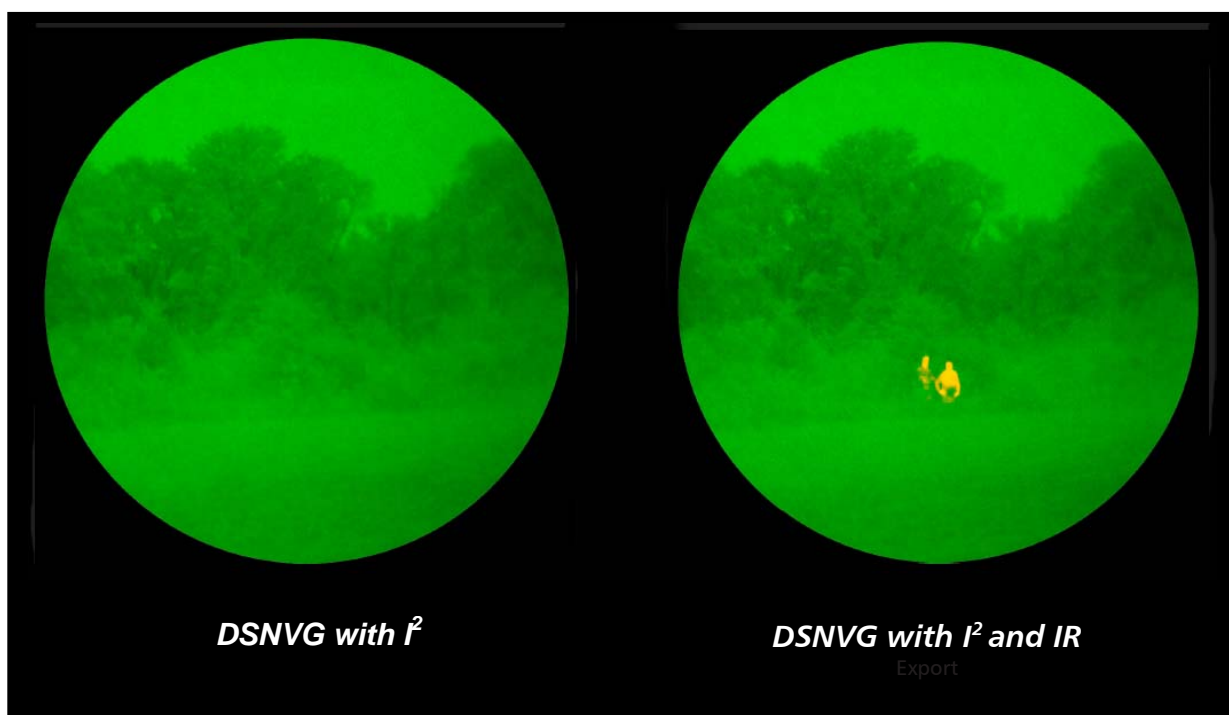
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DSNVG – Key Specifications:	
Less than 2 lbs (907 gm) including helmet mount and batteries	
Independent and fused sensor, controls, and modes	
Field of View	
- I ² ≥ 38°	
- IR ≥ 28° Diagonal	
I ² Resolution (I ⁻³ E fl). 1.14 cy/mr	



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