



# ITT

## Dual Sensor Night Vision Goggle (DSNVG), F6023DS

---

ITT 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 is delivering the first fused dual sensor goggle, the DSNVG. ITT 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.

### ***User 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 proven AN/PVS-14
- Non-exit pupil forming eyepiece allows the user to maintain full field of view even as helmet shifts during vigorous physical movements

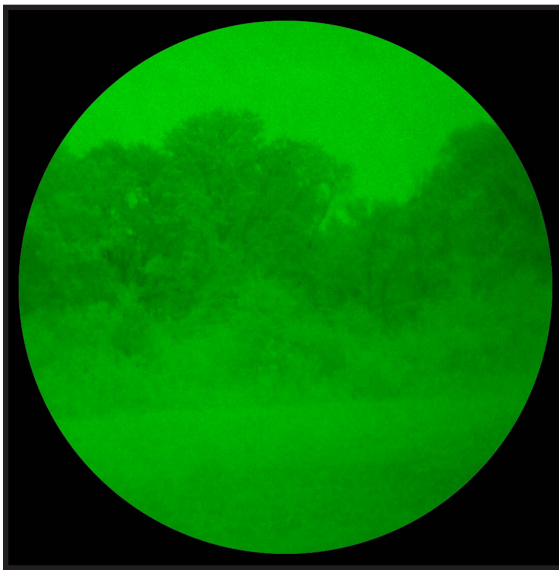
# Dual Sensor Night Vision Goggle (DSNVG), F6023DS

---

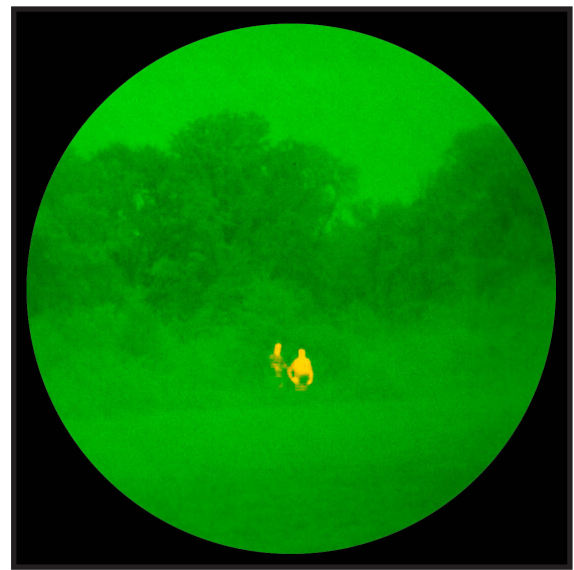


## **Key Capabilities**

- Less than 2 lbs (907 gm) including helmet mount and batteries
- Field of View
  - $I^2 \geq 38^\circ$
  - IR  $\geq 28^\circ$  Diagonal
- $I^2$  Resolution ( $1E^{-3}$  fl), 1.14 cy/mr
- Independent and fused sensor, controls, and modes



*DSNVG with  $I^2$*



*DSNVG with  $I^2$  and IR*



**ITT**

**For further information contact:**  
ITT Night Vision & Imaging  
7635 Plantation Road, Roanoke, VA 24019  
Attention: Business Development  
Telephone: 800-533-5502 or 540-563-0371  
Fax: 540-362-4979  
E-mail: [nvsales@itt.com](mailto:nvsales@itt.com)  
[www.nightvision.com](http://www.nightvision.com)

Export of this product is regulated by the U.S. Dept. of State in accordance with guidelines of "International Traffic in Arms Regulations (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130.

Approved for unlimited distribution per 10-S-1066.

Specifications subject to change without notice.  
© 2010 ITT, Rev. 06-10

---