

# Night Vision Camera



**B**all Aerospace & Technologies Corp. has revolutionized night imaging with the development of the Night Vision Camera, a complete camera in one compact unit. Using exclusive, proprietary technology, Ball Aerospace's lightweight, real-time enhanced, high-definition intensified TV ( $>1,0$  cy/myrad) is designed to be attached or removed from a helmet in flight, weighs only 7.2 ounces and consumes just 5.2 watts.



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**B**all Aerospace is the world leader in sensor-coupled night vision, specializing in custom packaging for high-performance platforms. Ball provides primary night vision pilotage capability that exceeds operational and reliability requirements for: Marine AH-1 with BAE systems 'Striker' Helmet; Comanche Targeting and Night Pilotage Turret; and the Apache Pilotage Turret.

Ball Aerospace's expertise in Anti-Blooming Technology (ABT-21\*) combines with a low halo tube to eliminate blooming and to provide the whole picture, in contrast to standard cameras that hide important details because of bright light blooming. Ball Aerospace offers miniature packaging — small enough to fit in the palm of your hand — for a variety of applications including air vehicles, ground vehicles and soldiers. The result is high-resolution performance in a single, compact and lightweight package.

### ***Interscene Dynamic Range (100 million:1)***

- Overcast Starlight to Overcast Day
- Intensifier Gating
- MCP Control

### ***Intrascene Dynamic Range (1 million:1)***

- Anti-Blooming Technology (ABT-21)
- Enhanced AGC
- Low Halo 18 mm Intensifier

### ***Demonstrated Resolution > 1.0 cy/mrad***

- 40 Field of view
- 1414 x 1024 Pixels
- 2<sup>nd</sup> GEN FLIR Compatible

*\*Covered by U.S. Patent No. 6,188,433. Other patents pending.*