

2-Color Advanced Warning System

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BAE SYSTEMS

2-Color Advanced Warning System

Our 2-Color Advanced Warning System, or 2CAWS, builds upon BAE Systems' experience in fielding systems for the complex rotary-wing environment. Optimized for size, weight, and power, 2CAWS features an open system processor, two-color infrared sensors for increased range, and a fiber optic A-kit for faster data transmission. Serving as the high-bandwidth digital backbone, the system processor is built to modular open system approach, or MOSA, standards. It houses advanced machine learning missile warning algorithms specifically designed for complex, high-clutter environments with rapid threat updates. 2CAWS is compatible with existing U.S. Army aircraft survivability equipment, including pilot interfaces and countermeasure systems, allowing for accelerated installation and integration timelines.



Proven, scalable, centralized processor with missile launch and hostile fire detection provides a digital backbone for rotary and fixed-wing aircraft

Total system protection

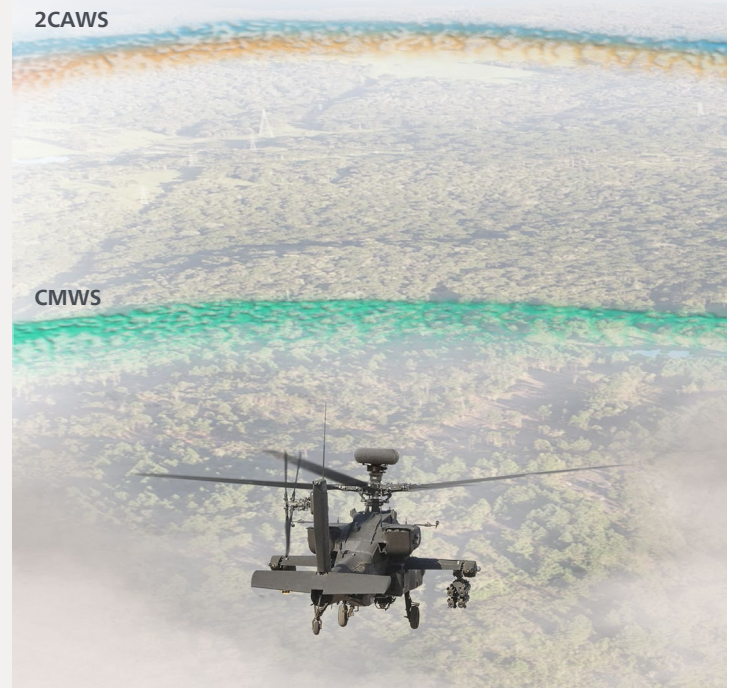
Current and future rotary-wing aircraft require an adaptable and expandable missile warning system that supports a layered countermeasure defense capability; using expendable and directable laser-based countermeasures ensures mission success in any environment. BAE Systems delivers the answer to the ever-changing threat environment by pairing 2CAWS with the AN/ALE-47 countermeasures dispensing system, and Smart D2. If required, 2CAWS will even interface with current and future directed infrared countermeasure systems. With these low SWaP systems, aircraft are equipped with the most advanced aircraft protection package available in the world.

Key features and benefits

- Advanced declaration and discrimination algorithms improve probability of detection and false alarm rate
- Two-color IR sensors allow for enhanced detection range that significantly improves the declaration timeline
- The system processor's utilization reserve enables growth towards integrated capabilities
- The 2CAWS system fits within the current CMWS footprint on the aircraft
- A backwards compatible A-Kit greatly reduces aircraft modification time

Proven legacy of experience

BAE Systems has a proven legacy of installation experience with missile and hostile fire detection on over 40 different platform types supporting U.S. and allied forces.



Specification	System processor	2-color sensors
Size (in.)	9.1 width 5.5 height 12.9 depth	3.4 diameter 5.9 depth
Weight (lb.)	20.0	3.0
Power (405Hz)	350W	Powered by SPU
Power (28VDC)	111W	NA

For more information contact:

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