THALES
Building a future we can all trust

Scorpion® for both Fixed and Rotary-Wing platforms
Capabilities

Maintain the most comprehensive situational awareness with the Scorpion® Helmet Mounted Display (HMD). Day or night, pilots have a complete, full-color symbology overlaid via augmented reality. Through a variety of platform network options, Scorpion enables total situational awareness with seamless, modular sensor and systems fusion. While Scorpion's open system architecture allows the integrator to define how it shares the mission status with fellow aircrew and connected platforms, state-of-the-art full color WaveGuide technology enables the aircrew to effortlessly assess the tactical situation to execute the mission. Selected features offer the freedom to customize how Scorpion is integrated into the aircraft mission systems, providing a true Modular Open Systems Approach (MOSA) capability within a cost-effective design. Personalized, completely agnostic mission-system interface allows users full control over how the HMD functionality is integrated into the tactical environment.

Operational Advantages:

- Combat proven technology with thousands of systems in service.
- Standard NVG compatibility allows users to switch from day to night with exceptional ease, without additional purchases or modifications to existing issued night vision devices.
- Uses digitized Hybrid Optical Inertial Tracking technology, HObIT, achieves zero-latency, enhanced accuracy tracking of pilot head movement.
- User-defined symbols enable truly modular pilot vehicle interface through full-color conformal symbology in augmented reality.
- Produces unparalleled consistency of vision and accuracy beyond any magnetic-based systems.

- Designed to maintain maximum performance while withstanding the harshest environments.
- Coordinated tactical responses are powerfully supported with the simultaneous ability for air and ground assets to identify, exchange, share, and visually display critical information in real time.
- Simple and rapid installation is enabled with customizable software and without modifications to the avionics bay.
- Intuitive visuals complete with full-color, dynamic 360° x 360° conformal symbology in augmented reality.