Striker® II
Performance without compromise
Introducing Striker® II

Fully digital colour helmet-mounted display system with integrated night vision camera.

With decades of combat-proven experience, the new platform-agnostic Striker® II helmet-mounted display (HMD) builds upon BAE Systems’ current Striker HMD, which has been successfully deployed in theatre on Eurofighter Typhoon and Gripen fleets. Striker® II is a fully digital solution that provides today’s combat pilot with exceptional night vision and target tracking technology within a fully integrated visor-projected HMD system.
All the capability, all the time

Striker® II helmet-mounted display (HMD) brings its high performance digital night vision camera inside the helmet, which helps reduce G-force effects on the pilot’s head and neck to improve comfort, and eliminates the need to manually configure and adjust night vision goggle (NVG) hardware for day-to-night transitions. With its high resolution binocular visor-projected full colour display, the new system integrates a centre-mounted ISIE™ 11 sensor based on Intevac Photonics’ patented advanced imaging sensor technology, known as electron bombardment active pixel sensor (EBAPS™). This advanced sensor increases the display’s 24-hour capability – bringing the system’s night vision acuity to a level equivalent to or better than NVG performance but without the compromises that NVGs impose. The Striker® II system delivers the ultimate in day/night situational awareness through immersive visor-projected imagery augmented with symbology.

Maximum integration flexibility

Striker® II HMD is designed for ease of integration across a range of platform types. It is compatible with aircraft that have analogue display drive electronics, via a low latency conversion device, and has a digital interface for aircraft with digital display drives. Striker® II also offers a true plug and play solution for aircraft equipped with the current generation Striker HMDS.
Fast vision without delay
A cutting-edge tracking system that ensures the pilot’s exact head position and the aircraft computer system are continuously in sync, reducing problems common to other HMDs. The Striker® II tracking system, with new hybrid tracker technology, creates an unlimited ‘head motion box’ and eliminates any delay in determining where the pilot is looking. The system can therefore perfectly position symbology onto the visor, even if optical tracking is lost. The results are high-precision target tracking and engagement as well as superior situational awareness and mission effectiveness, including ‘near zero’ latency on tracked symbols.

Light operation without fatigue
The new night vision integrated configuration also significantly reduces weight, when compared to today’s HMD/NVG solutions so pilots can fly longer duration missions with reduced fatigue. The system also enables increased aircraft G-limits for night HMDS operations. Striker® II also offers a better balance and centre of gravity with its integrated night vision camera delivered through the ‘cyclops’ configuration which increases comfort in G-level manoeuvres.

Enhanced pilot experience performance without compromise
The low profile design of the integrated night vision camera within the helmet eliminates physical cockpit/canopy interaction issues experienced with NVGs. The new lighter and more compact system allows the pilot unhindered movement within the cockpit whilst maintaining tracking and display performance throughout the mission.
Performance without compromise