

360 MVP Sensor

360 Multifunction Vehicle Protection Sensor

Providing **360-degree situational awareness**, enabling ground vehicles to **rapidly detect, track, and defeat threats**





Our LWIR cameras provide 360 degree black and white, thermal, and all weather imagery.

360 Multifunction Vehicle Protection (MVP) Sensor

BAE Systems' 360 MVP Sensor provides advanced situational awareness and threat detection for ground vehicles and crews while under the protection of armor. It combines four high-definition, extended-view, multifunction cameras that provide crews with sharp images of the battlespace around them, allowing for automatic cue to potential threats such as ground troops, small arms fire, aerial systems, disturbed earth, and missiles. The sensor provides 360-degree visibility and threat warning capabilities day or night despite challenging natural and manmade battlefield conditions, including adverse weather, dust, and smoke.

Integrated and layered defense systems tailorable to platform and mission

Rapidly detect, track, and defeat threats

Consisting of four high-definition, extended-view sensors built with BAE Systems' 1920x1200 longwave infrared camera cores, the 360 MVP Sensor improves situational awareness and reduces the cognitive load on ground vehicle drivers and crews. The sensors deliver low-latency imagery in challenging battlefield conditions, giving crews a "see first, act first" advantage.

See first, act first

The large field of view and advanced algorithms enable the system to provide early warning of incoming threats such as unmanned aerial vehicles and ground forces, allowing crews and systems to respond before the threat can engage. This improves maneuverability, lethality, and survivability, especially in dense, urban terrain.

Adaptability and compatibility when it counts

The 360 MVP Sensor is compatible with other vehicle protection systems and is a tailorable capability based on platform, mission, and budget. It is even backward-compatible with existing vehicle architectures.



Key features and benefits

- 1920 high-definition uncooled cameras provide enhanced situational awareness with 360° horizontal coverage and overlapping fields of view
- Larger format increases camera field of view from current 40° horizontal x 30° vertical to 120° HFOV x 75° VFOV, increasing look-up angle and shortening ground intercept
- Ability to integrate with other vehicle protection systems to provide passive cueing of soft-kill and hard-kill countermeasures
- Slew-to-cue capable – detecting, tracking, and alerting crews of potential threats

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