

VEHICLE AGNOSTIC SAFETY ENHANCEMENTS (VASE)

Enabled by L3Harris' modular open systems architecture, VASE can be rapidly inserted into existing and future ground vehicles to reduce accidents, save lives and provide greater situational awareness to operators. VASE provides 360-degree coverage around the equipped vehicle, with redundancy, allowing for both mounted and dismounted troops to operate safely.

VASE seeks to augment the operator's ability to safely operate tactical vehicles by addressing the limited sightlines and extensive blind spots inherent in modern tactical ground vehicles. With VASE installed, the need for spotters to dismount and physically guide the vehicle in potentially hazardous areas is eliminated, while simultaneously, VASE provides occupants additional security awareness around the vehicle prior to disembarking.

FORWARD-FACING CAMERA

Allows the driver to see where the front wheels are aligned even if the driver can't see forward of the vehicle, providing additional visibility.

360-DEGREE VIEW

Allows operators to visually identify obstructions within close proximity to the vehicle, to include downward facing cameras that allow operators to view front and rear wheel alignment.

SIDE-VIEW CAMERAS

Offers the occupants greater field of view, enhancing safety and security by showing obstacles or personnel next to the vehicle.

NON-EXPORT CONTROLLED - These item(s)/data have been reviewed in accordance with the International Traffic in Arms Regulations (ITAR), 22 CFR part 120.11, and the Export Administration Regulations (EAR), 15 CFR 734(3)(b)(3), and may be released without export restrictions.

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

BLIND SPOT MONITORING

Provides the operator notification of an obstruction or another vehicle encroaching the vehicle's blind spots.

FRONT & REAR PARKING SENSORS

Notify the driver of obstacles in a defined range, and alerts increase in intensity as the vehicle closes in on an obstacle.

BACKUP CAMERA

Displays the area to rear of the vehicle, along with active guidelines to indicate the intended path of the vehicle while reversing as well as indicators of obstacles within the path of travel.

TRAILER HITCH RECEIVER CAMERA

Displays centerline tracking to align the vehicle's hitch while reversing towards a trailer, removing the need for an active spotter and allowing for final precise alignment.



TECHNICAL APPROACH:

MOSA Enabled

Safety Insertion Components

- > Forward and rear-facing cameras
- > Side cameras with 360-degree surround view
- > Front and rear collision sensors
- > Blind spot monitoring sensors with visual feedback
- > Touch-screen display
- > Video converter
- > Processor

