

# Vehicle Vision Enhancement Sensors

MODULAR THERMAL IMAGING SYSTEM FOR VEHICLE AWARENESS



## APPLICATIONS

DRIVER'S VISION ENHANCEMENT

SITUATIONAL AWARENESS

## FEATURES

High resolution 640 x 480 LWIR uncooled thermal sensor

Electronic image stabilization

LAP/FLIR Digital Detail Enhancement (DDE)

Auto gain and level (AGC)

Variable speed pan/tilt

Quick release for Driver and Observer Modules on DVE and FADS systems

Minimum system volume

Designed to accommodate future spiral upgrades such as Low-Light CCD camera and laser pointer

It's all FLIR inside

## BENEFITS

Penetrate obscurants, long standoff ranges, outstanding image quality

Minimizes image jitter due to external platform motion resulting in improved image quality, reducing Driver and Observer fatigue

Provides image quality enhancements via spatial edge enhancement and dynamic range enhancement.

Automatically provides optimized imagery

Allows Driver/Observer to quickly scan a target scene, detect and acquire suspicious activity (operator controlled through Joystick Controller Module). Home position allows the user to quickly return to the forward orientation with one touch

Easy swap out of sensor modules. Quick removal allows easy access for vehicle maintenance

Insures Driver has optimized visibility to safely operate vehicle at all times.

Allows laser spot imaging and pinpointing of targets to NVG-equipped Soldiers.

FLIR controls the entire supply chain on the critical technology inside ThermoVision systems ensuring fast service and long term support





DV-FADS



DVS40



DV40

## Vehicle Vision Enhancement Sensors

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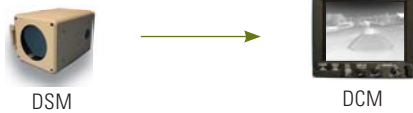
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FLIR'S VVE-FOS PRODUCT FAMILY				
		DV-FADS	DVS40	DV40
Driver Sensor Module (DSM)	COTS FLIR Design	640 x 480	640 x 480	640 x 480
Observer Sensor (OSM)	COTS FLIR Design	640 x 480	N/A	N/A
Display/Control Module (DCM)	COTS	• (2 ea)	•	•
Electronic Pan and Tilt (EPTM)	COTS FLIR Design	•	•	N/A
Controller Module (CM)	COTS FLIR Design	• (2 ea)	•	N/A

### DV40 OPERATIONAL FUNCTIONALITY



### DVS40 OPERATIONAL FUNCTIONALITY



### DV-FADS OPERATIONAL FUNCTIONALITY

