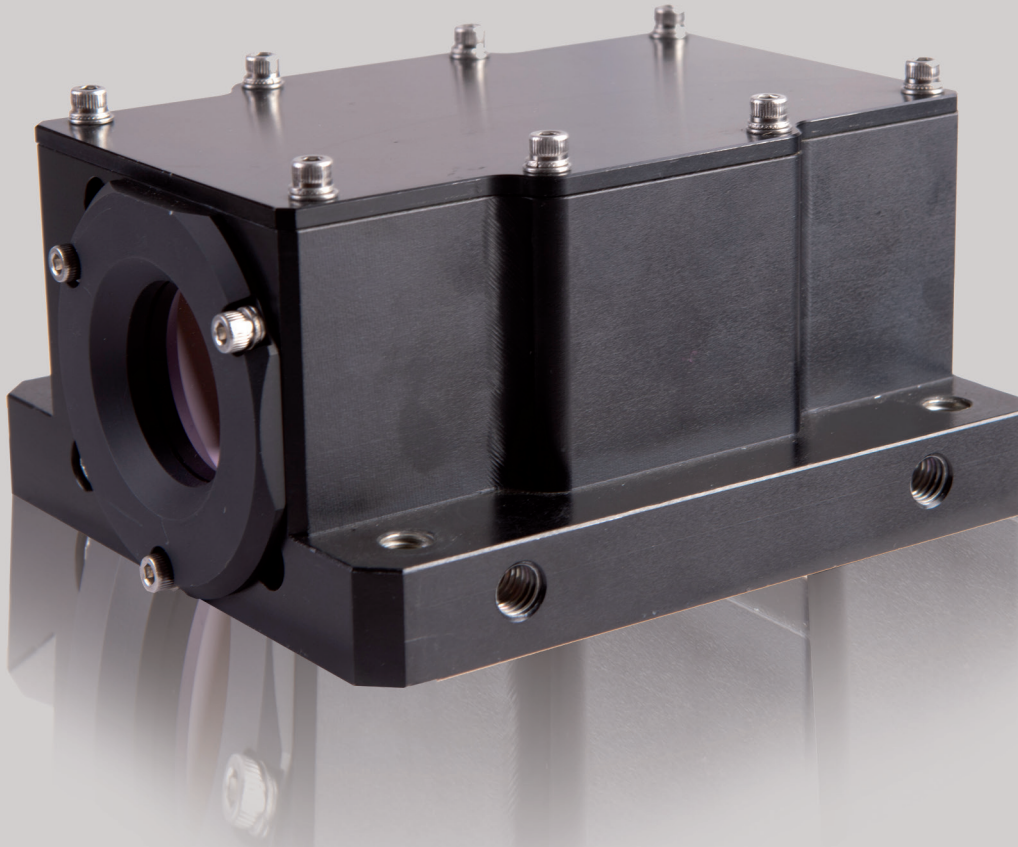




Camera Applications



Driver Viewer Enhancer



Tavor™ BS is a Driver Viewer Enhancer (DVE) solution enabling situational awareness and driving in complete darkness or difficult visibility conditions. Comprising a state-of-the-art thermal-imaging camera based on Opgal's market leading image processing capabilities and packed into a ruggedized housing. Tavor™ BS provides the ultimate vehicle vision solution for a wide range of military armored vehicles. Tavor™ BS comes with an in-vehicle ruggedized, high-resolution LCD display providing crisp picture of the landscape ahead or behind.



Tavor™ BS Specifications



Camera Applications

Key Benefits

- Enables driving in complete darkness and through smoke, dust and dirt
- Modular kit - each component can be supplied separately
- User-friendly operation
- Digital Zoom (x2 and x4)
- Variety of wide viewing angle (up to 64° horizontal)
- Sealed enclosure
- Off the shelf supply - short time to market
- Highly affordable and cost-effective
- Easy installation

Applications

- Driver vision enhancement for night driving
- Situational awareness
- Observation
- Vision solution for unmanned vehicles

Available Configurations

- Complete system kit comprising a camera and a high-resolution LCD display
- Stand alone camera

Optional Accessories

- Ruggedized carrying case
- Mechanical adaptor (camera attachment base)
- Camera protecting steel cover
- Modular kit - each component supplied separately

Camera Configuration Options

Features		Description / Performance			
	Camera				
FPA Resolution & Pitch ¹	384x288, 25µm	320x240 ,25µm	640x480, 25µm	640x480, 17µm	
Analog Video Output	CCIR	RS170	CCIR/RS170		
FOV ²	64°X48°	54°x40°	40°x30°	57°x43°	40°x30°
Remote Control (with optional cable)	RS 422 or RS 232				
Operating Temp.	-30°C to +60°C				
Dimensions (HXWXL)	65 x 111.5 x 150 mm		79x111.5x185 mm	79x111.5x163 mm	
Operating voltage	7-9 VDC		18-32 VDC (MIL-STD 1275)		
Control Operation	Video Polarity, NUC, e-ZOOM				
Weight	<0.9 kg		<1.4 kg	<1.3 kg	
Display / RCU					
Screen size	6.4"			7"	
Display resolution	640x480			800x600	
Ingress Protection Rating	IP67			IP65	
Control Operation	Display: ON/OFF, Contrast, Brightness Camera: Video polarity, NUC, e-ZOOM			Display: ON/OFF, Contrast, Brightness Camera: Video polarity, NUC, ROI	
Operating Voltage	18-32 VDC (MIL-STD 1275)			12-32 VDC	
Operating Temp. Range	-30°C to +60°C				
Dimensions	270x210x70 mm			188x135x52 mm	
Weight	4.8 kg			1.5 kg	

¹ VOx or ASi are available upon request.

² More FOV options available upon request



DVE Kit



7" Display

