

Tavor SA



DUAL SENSOR DVE CAMERAS



The **Tavor SA** are state-of-the-art thermal-imaging cameras based on Opgal's market leading image processing capabilities. Packed into a ruggedized housing, the field proven Tavor SA cameras provide the ultimate vision solution for a wide range of military armored vehicles and ships. Available in two lens configurations, the Tavor SA are ideal for Driver Viewer Enhancer (DVE) applications. They enable driving in complete darkness, difficult visibility conditions, or for situational awareness to increase crew safety. Manufactured to the highest military standards, our solutions are field proven and used by army and naval forces worldwide.

KEY BENEFITS

KEY FEATURES

- IR & CCD/CMOS Sensors
- IR 640 x 480 17 μ
- Field Proven
- Heavy Duty Ruggedized Design
- MIL-STD 810 Certified
- Ethernet Output

ADVANTAGES

- Ground and Naval Applications
- Improves Survivability
- Better Mission Completion Rates
- Reconnaissance
- Simple Installation
- Scalability & Flexibility - Different Levels of Solutions



APPLICATIONS

The Tavor SA Driver Viewer Enhancers (DVE) / Driver Night Vision Systems (DNVS) provide a convenient plug & play vision solution for armored vehicles and ships. The systems enable situational awareness and driving in complete darkness and difficult visibility conditions, while crew remains protected inside the vehicle.



Features	Tavor SA 110°	Tavor SA 90°
Thermal Camera		
FPA	Uncooled microbolometer 640 x 480, 17 μm	
Control Operation	Video Polarity, NUC, e-ZOOM, video MUX	
Horizontal FOV	110°	90°
Focus Range	5m to infinity	0.5m to infinity
Day Camera		
Type	CMOS	
Resolution	2592x1944 pixels resolution	VGA 1/3" 960H (700TV Lines)
HFOV	135°	60°
Focus Range	5m to infinity	2m to infinity
Characteristics		
Operating Temp.	-33°C to +65°C	-40°C to +70°C
Operating Voltage	16-36V MIL-STD 1275	
Frame Rate	Day: 14 full frames per second 2,500 x 300 in 25 fps Thermal: 30 fps	25/30 fps
Video Output Interfaces / Formats	Day: Progressive Scan, GigE vision, Mono 8 , Mono 12, Mono 12 Packed, YUV 4:2:2 Packed, YUV 4:2:2 (YUYV) Packed, Bayer BG 8, Bayer BG 12, Bayer BG 12 Packed, Bayer GB (Aptina), Bayer GR (CMOSIS) Thermal: 640 x 480 14bit Uncompressed over GigE	Video over Ethernet H264 10/100 mbps Analog video PAL/NTSC (optional)
Dimensions (HxWxL)	300mm x 300 x 400mm	160mm x 106mm x 100mm
Weight	< 3.5 kg	< 2.5 kg
Environmental		
Environmental Qualification	MIL STD 810F	
EMI Qualification	MIL STD 461F	