

TRVG-S LD



SYSTEM FEATURES & SPECIFICATIONS

OPERATIONAL CAPABILITIES

Target Tracking	EO & IR (MWIR & SWIR)
Target Detection and Classification	
Target Localization and Distance Estimation	
Object Types for Maritime Target Classification	Boat
	Unmanned Surface Vessel
	Ship / War Ship
	Floating Object (Human, Buoy, Sealignht)
Object Types for Land Target Classification	Vehicle
	Human
	Animal
	Herd
	Anti-Tank Weapon
	Military Vehicles



ADVANCED FEATURES



Laser Designator



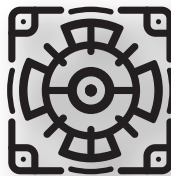
Laser Range Finder



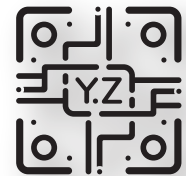
Simultaneous 360° Detection



Target Tracking



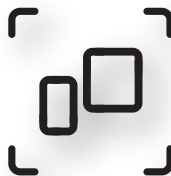
Inertial Measurement Unit



Integrated AI Processor



Object/Obstacle Detection



Object/Obstacle Classification



Object/Obstacle Distance Estimation

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AEROMAC

SYSTEM FEATURES & SPECIFICATIONS

Electro-Optical Camera			Detection	Recognition	Identification				
Focus Length	15mm – 775mm	Human	14000m	7500m	5500m				
Zoom	52 X	NATO Target	60000m	23000m	15000m				
Wide FOV	26.5° x 20°								
Narrow FOV	0.5° x 0.4°								
Resolution	2048 x 1536								
Special Capabilities	Electronic Image Stabilization								
	Optical Image Stabilization								
	Auto Focus								
	Fog Reduction								
	Heathaze Reduction								
Infrared Camera						Detection	Recognition	Identification	
Detector Type	Cooled Mid-Wave Infrared (MWIR)	Human	10000m	2500m	1500m				
Focus Length	35mm – 690mm	NATO Target	45000m	11000m	7500m				
Zoom	10 X+								
Wide FOV	20.7° x 11,8°								
Narrow FOV	1.06° x 0.6°								
Resolution	1280 x 720								
Special Capabilities	Electronic Image Stabilization								
	Auto Focus								
	Black Hot/White Hot Selection								
SWIR Camera						Detection	Recognition	Identification	
Detector Type	InGaAs					Human	3700m	1000m	600m
Resolution	640 x 512	NATO Target	16000m	4000m	2700m				
Focus Length	~20mm – 200mm								
Optical Zoom Level	10X								
Wide FOV	24° x 19°								
Narrow FOV	1.8° x 1.4°								
Laser Range Finder(LRF)									
Measurement Range(Maximum)	32000m								
Measurement Range(NATO Target)	8500m								
Measurement Accuracy	≤0.5m								
Laser Designator									
Visibility Range	≥ 8000m								
Designating Range	≥ 4000m								
System Specifications									
Dimensions	TBD								
Weight	TBD								
Pan Axis Rotation Range	n x 360°								
Tilt Axis Rotation Range	-90° / +90°								
Pan Axis Speed	0.1°/sec --> 100°/sn								
Tilt Axis Speed	0.1°/sec --> 90°/sn								
Axis Accuracy	<0.1°								
Mechanical Stabilization	Available								
Moving Object Tracking	Available								
Distance and Position Estimation	Available								
AI Capabilities									
Change Detection	Available								
Moving Object Detection	Available								
Object Detection	Available								
Object Classification	5+ Class Including Ship, Boat, Person, Vehicle,Small Vesseland Buoy								
Object Tracking	32 Objects concurrently (can be increased)								
Intrusion Detection and Virtual Fence	Available								
Target Localization and Distance Estimation	Available								
Video Processing									
Image Stabilization	Electronic And Optical								
Multi-profile Streaming	Available								
Customizable Codec Compression	Available								