

TRVG-S HD

(MARINE ISR SYSTEM)

TRANSVARO



OPERATIONAL CAPABILITIES

Target Tracking	HD EO & IR
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, Sealight)
	Others
Object Types for Land Target Classification	Vehicle
	Human
	Animal
	Herd
	Anti-Tank Weapon
	Military Vehicles
	Others



Hedef Takibi



Dahili Mesafe Ünitesi



Entegre Yapay Zeka



Obje ve Engel Tespiti



Obje/Engel Sınıflandırma



Obje ve Engel Mesafe Ölçümü



Compatibility to
Autonomy



Lazer Mesafe
Bulucu



360 Derece Arama

Electro-Optical Camera-HD			Detection	Recognition	Identification
Max Aperture Ratio	F No: 1.4 ~ 4.5	Vessel	800 km	200 km	100 km
Zoom	50 X	Small Boat	258 km	64.5 km	32 km
Number of Pixels	Effective Pixels: 3.19 M Resolution: 2048×1536				
Pixel Size	3.45 μm				
Field of View (H)	60.9° ~ 1.1°				
Special Capabilities	Electronic Image Stabilization				
	Auto Focus				
	Fog Reduction				
	Heathaze Reduction				

Infrared Camera-HD			Detection	Recognition	Identification
Detector Type	Cooled Mid-Wave Infrared (MWIR) HD	Vessel	240 km	60 km	30 km
Spectral Waveband	3.7- 4.8 μm	Small Boat	77 km	19 km	9,6 km
Zoom	20 X				
Wide FOV	44.9° (Horizontal)				
Narrow FOV	2.4° (Horizontal)				
Resolution	1280 × 720				
Special Capabilities	Electronic Image Stabilization Auto Focus Black Hot/White Hot Selection				

Laser Range Finder(LRF)	
Measurement Range(Maximum)	32 km
Measurement Range(NATO Target)	≥6500m
Measurement Accuracy	Precision: 0.01 - 0.5 m

System Specifications	
Dimensions	52 × 40 cm
Weight	~32 kg
Pan Axis Rotation Range	n x 360°
Tilt Axis Rotation Range	-90° / +90°
Pan Axis Speed	0.01°/sec →120°/sec
Tilt Axis Speed	0.01°/sec →100°/sec
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 Vessel and 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
Multi-profile Streaming	Available
Customizable Codec Compression	Available