

TRVG-LD

LAND SURVEILLANCE SYSTEM

OPERATIONAL CAPABILITIES

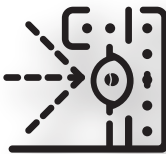
Target Tracking	
Target Detection and Classification	EO & IR & SWIR
Target Localization and Distance Estimation	
Object Types for Land Target Classification	Vehicle
	Human
	Animal
	Herd
	Anti-Tank Weapon
	Military Vehicles
Decision Support & Fire Control	Target Tracking Via Bounding Box Display
	Target Tracking by Keeping in Frame
	Target Position and Distance Feedback



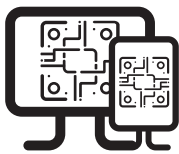
ADVANCED FEATURES



Laser Designator



Laser Range Finder



User Interface
Integration



Target Tracking



Inertial Measurement Unit



Integrated AI Processor



Object/Obstacle
Detection



Object/Obstacle
Classification



Object/Obstacle
Distance Estimation

Visible Band Camera	
Focus Length	15mm – 775mm
Zoom	50X
Wide FOV	26.5° x 20°
Narrow FOV	0.5° x 0.4°
Resolution	2048 x 1536
Infrared Camera	
Detector Type	Cooled Mid-Wave Infrared (MWIR)
Focus Length	35mm – 690mm
Zoom	15X+
Wide FOV	20.72° x 11,75°
Narrow FOV	1.06° x 0.6°
NETD	20K
Resolution	1280 x 720
Special Capabilities	Electronic Image Stabilization Black Hot/White Hot Selection
SWIR Camera	
Detector Type	InGaAs
Resolution	640 x 512
Focus Length	20mm – 200mm
Optical Zoom Level	10X
Wide FOV	24° x 19°
Narrow FOV	1.8° x 1.5°
Laser Range Finder (LRF)	
Measurement Range (Maximum)	32000m
Measurement Range (NATO Target)	8500m (2.3m x 2.3m target) (Reflection 30%, Observer Visibility 25km)
Measurement Sensibility	≤ 1m
Laser Designator	
Visibility Range	8000m
Designator Range	≥ 4000m
Mechanical Specifications	
Dimensions	110 x 75 x 79 cm
Weight	<100 kg
Stabilization	2 Axis – Gyro