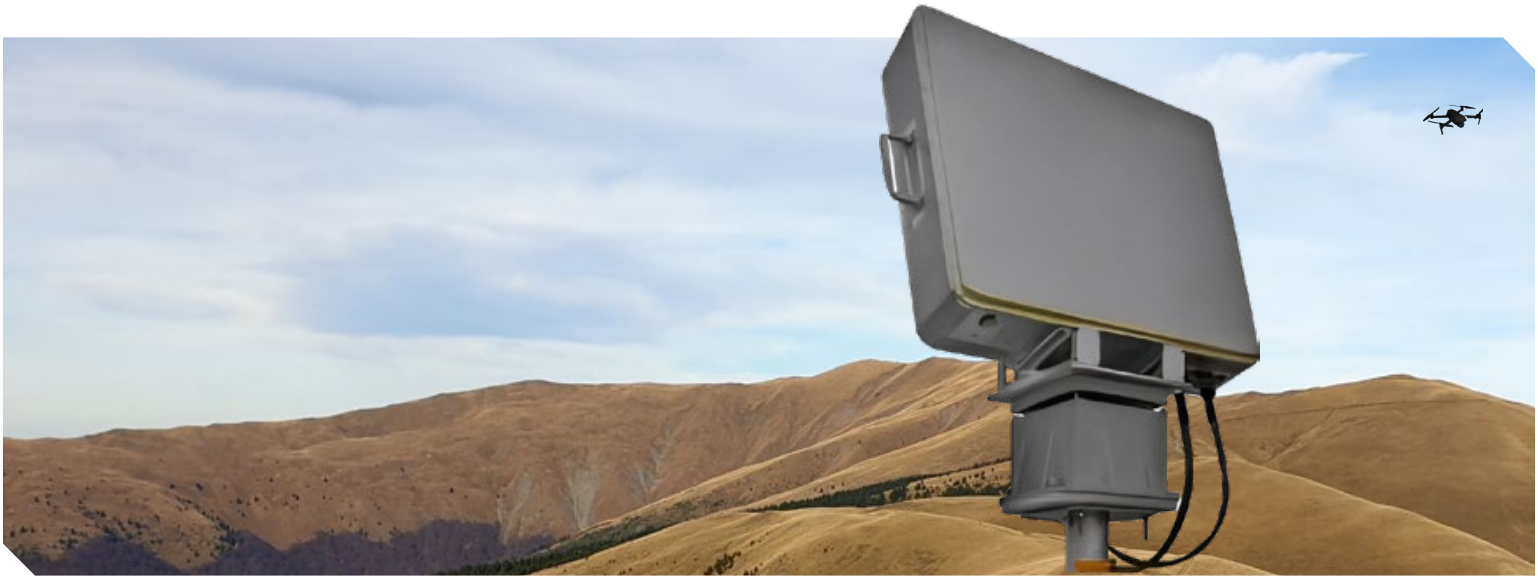
TV-904
3D ANTI UAV RADAR

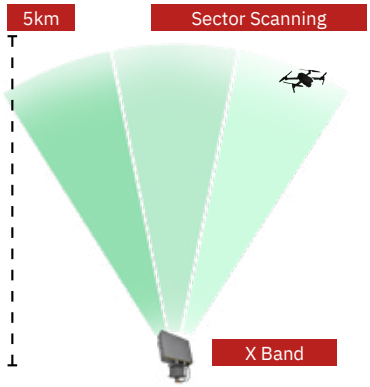


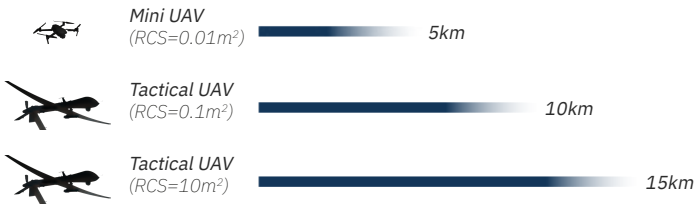
TV-904 3D ANTI UAV RADAR

General Features

TRANSVARO's TV-904 is mainly used to monitor close targets in the process of near-field operations. Under the complex environment with strong ground clutter, it can detect and extract target information to provide information support for operators

TRANSVARO's TV-904 is a low altitude security radar system is to detect, find, locate and classify Low altitude helicopters, UAVs, ground moving targets, and sea targets.
The TRV-904 is a flexible deployment, compact design, highly portable, low cost system which consisting of one or more remotely stationed radar sensors networked to a central control and display unit.
The TV-904 has all weather, all light level capability and can detect either moving or stationary targets. It is a low power continuous scan microwave radar sensor. Due to its small size and lightweight nature, it is easily transported and set up.
TV-904 can be configured for either temporary or permanent installations.





- *Full solid-state, full coherent, digital pulse compression system, available for the detection of targets moving at the extremely slow speed*
- *Excellent anti-active / anti-passive jamming capability*
- *Display of multiple targets, and synchronous searching and tracking function*
- *High data transmission performance, long- distance control and audio alarm function*
- *Playback and analysis of the stored historical data*
- *Piggyback or on-board design, easy to operate, fast erection and strong mobility*

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TV-904 3D ANTI UAV RADAR

Technical Specifications	
Working frequency band	X band - 3D Phase Array
Working mode	Phase Scanning system
Operating weight	35kg
Detection range *(Pd ≥ 90%, Pf ≤ 10-6)*	≥ 5km for mini UAV *(RCS=0.01m²)*
	≥ 10km for Tactical *(RCS=1m²)*
	≥ 15km for Tactical *(RCS=10m²)*
Scanning range	0 °~ 360 °
Antenna pitch angle	0 °~ 30 °
Pitch angle detection accuracy	≤ 0.7 °
Minimum detection height	≤ 10m
Azimuth detection accuracy	≤ 0,5 °
Speed detection accuracy	≤ 0.5m/sn
Dimensions	880 x 510 x 240 mm
Speed detection range	± 0.5m/s~± 50m/s *(radial speed)*
Tracked targets	>100
Search status	≤ 6Sn
Tracking status	≤ 2Sn
Environmental Temperature	- 40°C +60 °C
Overall power consumption	≤ 300W
Protection grade	IP66 *(with rain proof, dust proof, sand spinning, moisture-proof, mildew proof and other measures)*
Standards	Mil STD 810
MTBF	5000h
MTTR	30min

Areas of Application

Armored Vehicle Mounted

Border Line

Power Plants

Oil Refinery

Sea Ports

Civil & Military Aviation

Implementation Plan

Through the TV-904 low altitude detection radar system, the targets in the monitoring area are detected. When suspicious targets are found, their directions altitude and tracks are determined and generated, Monitoring with Droka camera system and effective relevant information is feed back, so as to send out early Warning & Protection systems in time.

Radar Scanning & Target Detection

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Thermal&day / Night Cameras Tracking and Target Identified

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Determinant Position, Direction Position, Speed, Target

↓

Protection By Droka System

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Information Feedback

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