



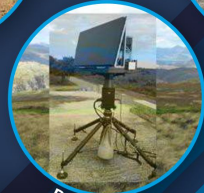
Jammer system



Laser Directed Energy weapon



Electro Optic System



Radar system

ANTI DRONE SYSTEM

The Anti-Drone System Soft & Hard kill provides the Multi Sensor based complete and comprehensive solution with regards to UnmannedAriel System detection, tracking, identification, designation and neutralization. It has the Capability to enforce effective UAS No-Fly zones by intercepting identified threats while inflicting minimal collateral damage to the surrounding environment.

KEY ELEMENTS

- ◆ Active Phased Array Radar provides 3D air situation picture.
- ◆ Radio Frequency Counter Drone System consists of RF Sensor, Satellite Navigational Jammer System and RF Jammer.
- ◆ Electro Optic System consists of Thermal Image, Day Camera and Pan Tilt unit will be slewed towards the direction of the detected target.
- ◆ Laser based Directed Energy Weapon(DEWS).
- ◆ Independent C2 operation Center or can be integrated with other systems.



KEY SPECIFICATION

Radar Parameter		
01	Azimuth Coverage	360°
02.	Elevation Coverage	-5° to 50°
03.	Range	(a) Nano RPA (RCS:0.001): 2 Km (b) Micro RPS (RCS: 0.01 m2) : 250m to 4 Km (c) Small/Hybrid RPA (RCS: 0.05 m2): 250m to 8m

RF Sensor Parameter		
01	Subsystem type	Passive Subsystem
02.	Operating Environment	Urban and Rural
03.	Receiver types	Wide Band SDR receivers
04.	Coverage Range	2 km (typ) for " commercial, tactical and large sized drones
05.	Azimuth Coverage	Omni-directional (360° deg)
06.	DF Accuracy	Accuracy 5- 10 deg RMS based on Frequency

Jammer System		
1	Jamming Module Type	Sweep Source & Power Amplifiers
2	RF Operating Bands	All possible links on Standard ISM Bands and Wi-Fi
3	GNSS Jamming /Range	"GPS, GLONASS, Galileo, Beidou" Constellations
4	RF Jamming Range	5Km (Directional)

Electro Optics System		
1	Detection Range	5 Km for 1.6x.3 mtr target
2	Tracking Range	4 Km for 1.6x.3 mtr target
3	Azimuth rotation	+/- 180°
4	Elevation Angle	-15° to +50°

Laser Directed Energy Weapon System		
1	Laser Source Power	2kW
2	Laser engagement range	200m to 1 km(max) under 4Km visibility

*Specifications are subject to change due to design improvements.

PLEASE CONTACT

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