



## RED SKY 2 - Drone Defender System

The Most Effective Low Altitude Point & Air Defense Solution

**RED SKY 2 - Drone Defender System** - is designed to Detect, Disrupt and Neutralize unmanned Aerial Vehicles (UAVs) engaged in potentially malicious activity or hostile airborne surveillance missions. Stopping them from infiltrating sensitive location such as Stadiums, Airports, Secured compounds, Military bases and etc., or in order to protect a V.I.P against armful attack carried out by those systems.

The **RED SKY 2 - Drone Defender System** - combines a unique Aerial Radar Detection, Electro Optical Thermal Acquisition and a High Powerful Directional RF Neutralization abilities with supreme range of 3-5km of detection and neutralization.

The System can be supplied either as an active system or reactive system that operates only after triggering an alarm when unfamiliar object reaches to the aerial security zone.

## Technical Characteristics:

### Neutralization Subsystem

Interfacing two jammers, FLIR camera & Laser Range Finder [LRF].  
Enables target tracking, investigation, identification & Neutralization

### IR Tracker

Modes of Operation - Rate, Position, Automatic Video Tracker, BIT  
Coverage: Range - up to 15km [target & weather dependant]

Elevation - +/- 45° (Optional: +30°/-85°)

Azimuth - full 360° continuous rotation

Spectral Range - 3.0 - 5.0 micron

Fields of View - Widest: 27°x20.3°, Narrowest: 2.2°x1.7°

Continuous zoom IR camera

### Wide band hi-power jammer

RF Omni / Directional jamming system block RF communication frequencies and GPS

Total Power Output - Up to 400 WATTS

Antennas - 3 Directional / 17 dbi high Gain antennas

Spectral bands and power outputs - can be finelized upon complition of request

### RADAR System

Track while scan of more than 100 targets, solid state technology

Detection Range of small UAV Up to - 6 km

Frequency Band - X Band

Accuracies - 1 deg

Coverage - El 20°-60°, AZ 360°

Weight - 30 kg

### Control Unit [CU]

Single operator controls all system activities through the CU:

Target detection & identification, target engagement & Neutralize

### Laser - "Hard Kill" system

HPFL - high power fiber laser (Details will be provided)

### Power Supply [PS]

28VDC or 110/220VAC



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