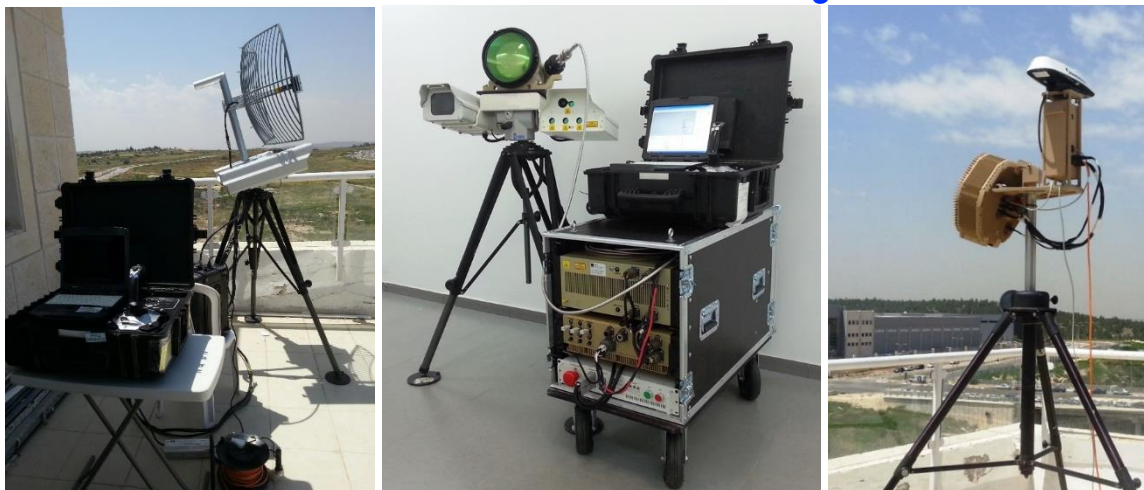




# Anti UAV Protection System



## Protection system

Day/Night verification of potential treats,  
 Video tracking and Gimbal pointing,  
 Directional and Omnidirectional RF & GPS Jamming and Immobilization  
 Laser video camera jamming, Laser burning,  
Operation, monitoring and control of protection system  
 Video and Data backlog of events

**Laser Burner!**

**Laser Jammer!**

## External Detector system, via interface

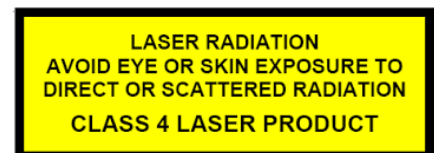
Panoramic (360deg) Radar (or Electro-optic) Detection and Classification  
 of mini UAVs and Quadcopters, monitoring and mapping of threats

FEATURES	APPLICATIONS
RF inhibition • Laser jammer • Laser burner Video and Data Backlog of events Portable • Affordable cost • Low Maintenance Internal Battery • Passive cooled Withstands field environmental conditions	Protection of power stations, airports, locations of national events, government buildings, state borders, stadiums and convention centers against hostile quadcopters and mini UAVs



ANTI UAV PROTECTION SYSTEM		MAIN PARAMETERS,		MODEL : AUPS
Radar minimum target Size (RCS) and Speed		0.005m <sup>2</sup> / 5 knots		
Radar Detection range, meters		150 - 3000		
Radar Frequency band		S - band		
Radar Transmitter power, watts		240 (60 x 4)		
Radar Coverage (Azimuth x Elevation)		360° (90° x4) x 80° (+70°/-10°)		
Gimbal Travel Range Azimuth / Elevation		360° (+/-180°) / 60° (+50°/-10°)		
Gimbal Travel Rate / Follow Aim Rate (°/sec)		30 / 15		
Gimbal Position Resolution, mrad		0.1		
Day Camera Type		Color 2/3 CCD HD 1920 x 1080, 60 fps		
Day Camera Zoom		x30 optical, (x3 digital)		
Day Camera FOV horizontal		45° – 1.5° (15° - 0.5°)		
Night Camera Type		MWIR Cooled 640x480x15um, 60 fps		
Night Camera Zoom		X15 optical, (x3 digital)		
Night Camera FOV horizontal		12° – 0.8° (4° - 0.3°)		
Rangefinder Repetition rate		1pps		
Rangefinder Range, m		70 – 3,000		
Rangefinder Eye safety category		Class 1M IEC 825-1 2001-08		
RF Jammer frequency coverage, GHz		0.06–6, 4 bands (GPS, GLONASS, 2.4, 2.4ISM)		
RF Jammer power, W		50 - 100 per band		
RF Jammer High gain antenna beam width		6° @3dB		
Laser Camera Jammer Wavelength		VIS / NIR		
Laser Camera Jammer Divergence		2°		
Laser Burner Type		Single Mode CW Ytterbium fiber laser		
Laser Burner Power		1kW (up to 5 kW optional)		
Laser Burner Eye safety category		Class 4 IEC 825-1 2001-08		
Clear apertures, mm	Laser burner	< 200,	Rangefinder	< 40 x 100
	Day camera	< 70,	Night camera	< 120
Warm-up time (min)		< 2		
Environmental		-20°C ... +50°C		
Weight (kg)	Optical assembly	– 30	Tripod	– 10
	Control unit	– 120	Radar	– 110
Power input from Battery or AC/DC adapter		85-132/170-264 VAC 50/60 Hz 10 A		

Specifications in this document are subject to change without notice.



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