

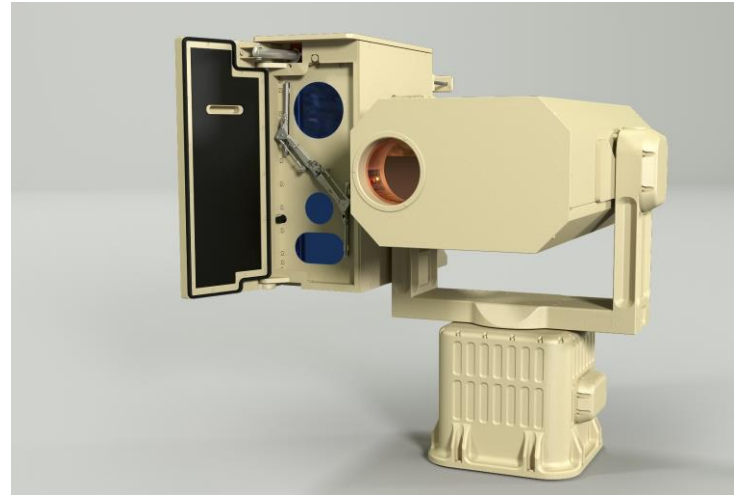
LASER PAN-TILT SYSTEM (LPTS)

LASER MODEL AL2000W 20X INTEGRATED WITH ADAPTIVE TELESCOPE

PRESENTATION

New class of laser system integrated with precision platforms will be a highly effective tool for protection of: Numerates premises such as: Airports, nuclear and other plants, embassies, military and civilian infrastructures. It can be safely used in populated areas.

Lpts is a powerful backlash-free manipulator working on very high accuracy and high angle speed drives with feedback coupling. This device is designed for fast moving object tracking, long distance moving objects surveillance. Ptp-03 can operate on moving objects. Lpts can be upgraded with ccd cameras with large zoom lens, cooled thermographic cameras, laser telemeters, directional antenna and spotlight. Lpts has 12 digital channels /5a, 4 power supply channels /10a and 2 ethernet channels (1000baset or 100baset). Lpts is fully compatible with our gcs (ground control station) of acs (automatic control system of moving objects), it can be combined with other systems as well.



TECHNICAL SPECIFICATIONS

Dimensions, mm - 830 x 910 x 835

Weight, kg - 149

Operating temperature -40°C to +60°C

Input Voltage - 24V

Azimuth Range - 360° continuous

Elevation Range - -30...+60°

Azimuth Velocity - 0.01 - 90°/sec

Elevation Velocity - 0.01 - 90°/sec

Accuracy - 0.05 mrad

Laser Power - 2000W (up to 5000W laser module)

Wave Length - 9.0-10.6 mic (EYE SAFE RANGE)

Effective Range - 300-800m

Typical Time of Disabling the Drones - 1-5 sec (depending on the distance)

LASER MODULE AL2000W 20X



DESCRIPTION

New class of laser system integrated with precision platforms will be a highly effective tool for protection of:

NUMERATES PREMISES SUCH AS:

Airports, nuclear and other plants, embassies, military and civilian infrastructures

It can be safely used in populated areas.

ADVANTAGES:

- 2-3 times more effective against drones vs. fiber lasers
- laser emission is eye safer vs. fiber lasers
- laser's beam has low turbulent distortion vs. fiber lasers
- laser beam concentration is more effective vs. fiber lasers by use unique methods of non-linear phenomena
- significant low cost of repair vs. fiber lasers
- high reliability, low maintenance and simplicity of technology

Type of Targets: Drones, Katyusha, Mortars, RPG, Land Mine Neutralization, Optical Electronic Devices and etc.

Laser Emission has Most Effective Absorption vs. fiber laser emission, by the following Materials: Carbon Graphite Any Plastics Glass Ceramic Concrete Wood any other nonmetals Stainless Steel Mild Steel

TECHNICAL SPECIFICATIONS

Laser Output Power: 2000W-5000W

Wave Length: 9.0-10.6 mic (EYE SAFE RANGE)

Laser Efficiency: 15-20%

Effective Range: 300-800m (and up to 1500m)

Typical Time of Disabling the Drones: 1-5 sec (depending of distance)

Dimensions mm: 834x447x296

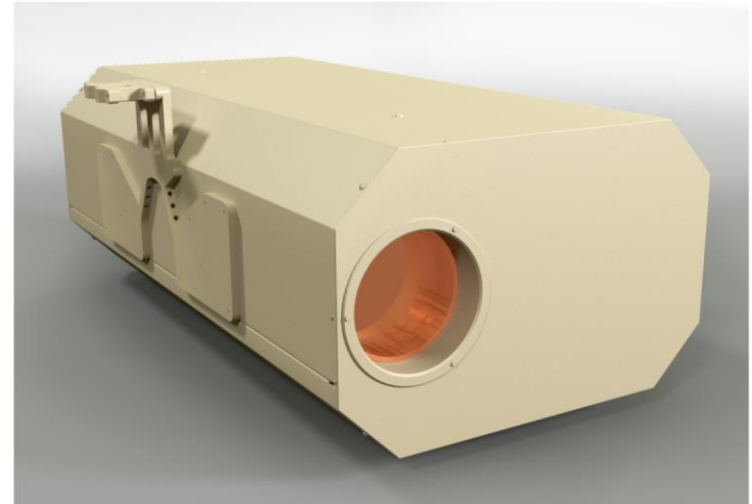
Weight of optical module: 60 kg

Operating temperature: -40C to +60C

Electrical Requirements: 230/380VAC @ 3ph

Cooling Low Water Rate: 4 l/min

Humidity: 90%



MORE POWERFUL VERSION OF THE LASER MODULES CAN BE OFFERED WITH POWER UP TO 5-6 kW AND THE EFFECTIVE RANGE UP TO 1500 m



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