

AIR DEFENCE SYSTEMS

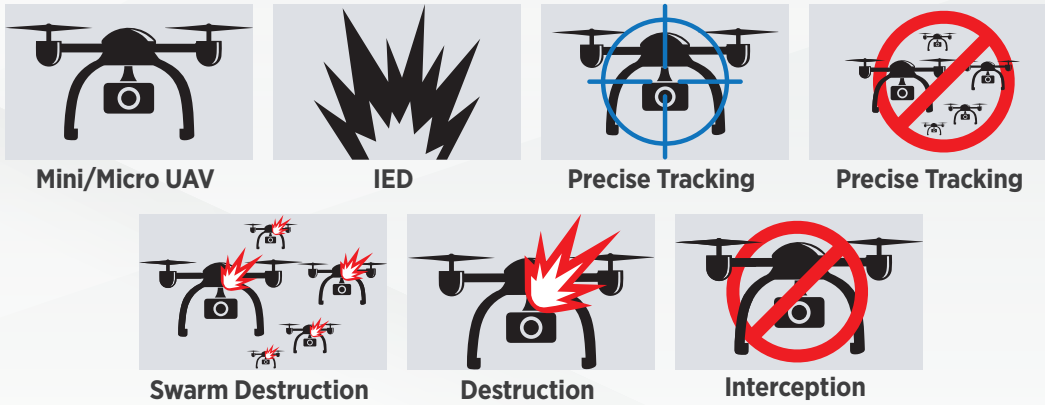


ALKA DIRECTED ENERGY WEAPON SYSTEM



ALKA Directed Energy Weapon System [DEWS]; uses electromagnetic and laser technology against asymmetric threats as very close hybrid air defense system. Threats are interfered by Electromagnetic Jamming System [EJS] and are destroyed by Laser

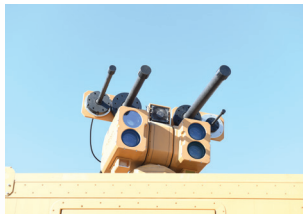
Destruction System [LDS] with two-layered defense architecture. It can also be used to counter bomb traps in residential areas and roadside Improvised Explosive Devices [IEDs].



SYSTEM SPECIFICATIONS

- Effective Laser Destruction Range 750 m
- Interfering Mini / Micro UAVs by EJS
- Detecting and Tracking Threats by Radar
- High Precision Target Tracking with Electro-Optical Target Tracking System
- Selection of the Precise Destruction Point on the Target

- Automatic Target Detection and Tracking Through Artificial Intelligence Assisted Image Processing [Minimum False Alarm / Warning Rate]
- Ability to Command from the Command Center
- Day-Night Operations
- Low Cost per Shot Compared to Conventional Methods
- Mobile and / or Stationary Usage



- Ability to Work Alone and/or In a Network Structure
- Redundant Command & Control Capability on Each Vehicle
- Autonomous Targeting of Multiple Laser on the Same Point on Target in the Network Structure
- Threat Evaluation and Weapon Assignment [TEWA] Against Multiple Threats
- Ability to Integrate With Different Radar and/or EJSs
- Low False Alarm Rate With Data Fusion [Multi-Sensor Usage]

