

LOOP



LR500 Series Radar

Anti-drone detection against the unsafe use

- X-band radar
- Target data acquisition for a PTZ camera and countermeasure device
- Chirp-pulse and doppler technologies to provide UAV detection
- Muti-beam receiving antenna
- Control and data transmission using Gigabit Ethernet interface
- Applicable to airports, power plants, chemical facilities as well as large scale events



'360° 3D Radar'

Protection against threatening or unsafe use of unauthorized UAVs

LR500 Series Radar

Ground Surveillance Radar

LR500 radar system was developed for automatic detection of air drones (mini UAVs) as well as of ground and surface targets, measuring of coordinates and velocity and target data acquisition and offering to optoelectronic equipment and electronic countermeasure complexes.

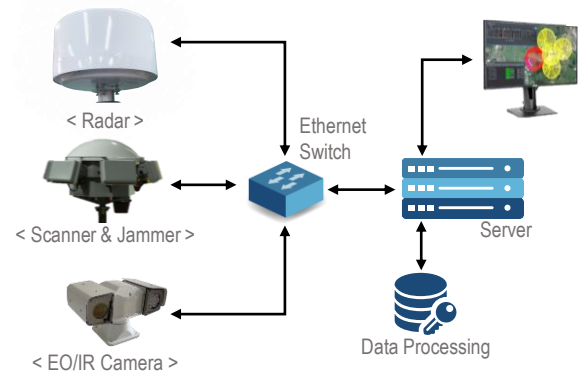
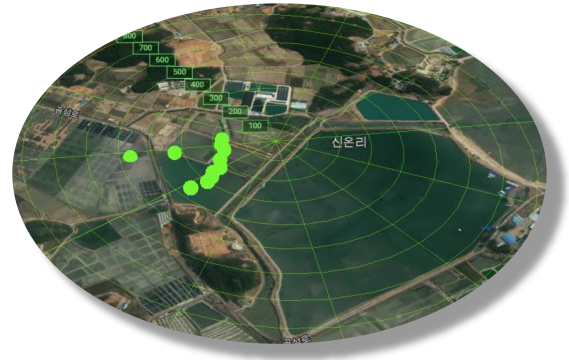
LR500 uses chirp-pulse doppler technologies which has been proved and developed in a field for years.

Included Parts

- Radar Station
- Power Supply Unit
- Cable Set
- Operator Software

Specification

| | |
|-----------------------------------|-----------------------------------|
| Frequency | X-BAND |
| Azimuth coverage | 360° |
| Elevation coverage | 50° |
| Azimuth measurement accuracy | 2° |
| Elevation measurement accuracy | 5° |
| Maximum detection range | 3.0 km (RCS: 0.01m ²) |
| Minimum detection range | 15m (RCS: 0.01m ²) |
| Minimum radial speed of a target | 0.8 m/s |
| Maximum radial speed of a target | 40 m/s |
| Radial speed measurement accuracy | 0.6 m/s |
| Time for updating | Less than 2.5 sec |
| Interface | TCP/IP |
| Weight | 24 kg |
| Input power | 220VAC |
| Peak power | 200 W |
| Operating temperature | -32° to +55° |



<Anti-UAV Detection Complete Solution>

