

GPS Spoofer & RF Jammer



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Recently, the drone market grows rapidly, malicious use of drones such as precision bombing and illegal filming has become a social issue. Since drones are small, fast and move through the air, they can attack by ignoring existing ground defense systems.

Replex has developed GNSS Spoofer which can make deceptive position signals that can prevent drones from flying normally. Replex's Hellosat can protect infrasture such as nuclear power plants, gas facility, water facility and Data center from drone threats.

Replex Anti-drone System



GPS Spoofing & RF Jamming



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SOLUTIONS PROVIDER **GPS & RF Jammer**

RF Jamming & Spoofing system

Replex GPS Spoofer can make deceptive position signals that makes prevent drones from flying normally. Replex GPS Spoofer can protect infrasture such as nuclear power plants, gas facility, water facility from drone threats.

- **Quick reaction time** - Immediate reaction upon drone detection
- **Defend against 360 degrees** - 360-degree defense by applying high-gain dipole antenna
- **Drone flight through RF Jamming** – Disrupt the signal from the controller to stop or return drone flight
- **GNSS Jamming** – Route flight interception and erroneous flight inducement
- **Block video transmission** – Block illegal drone video transmission

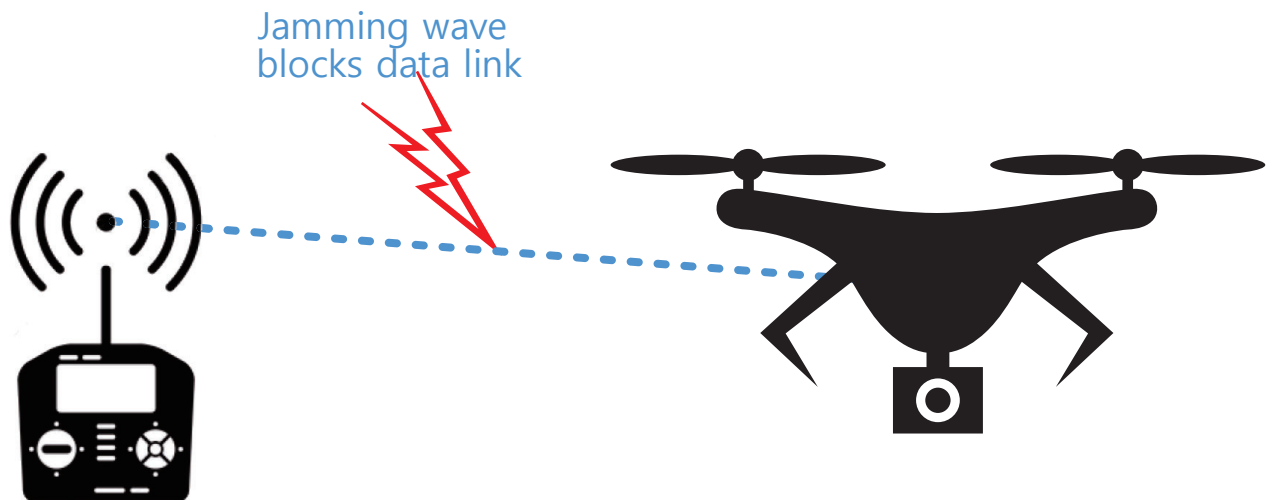




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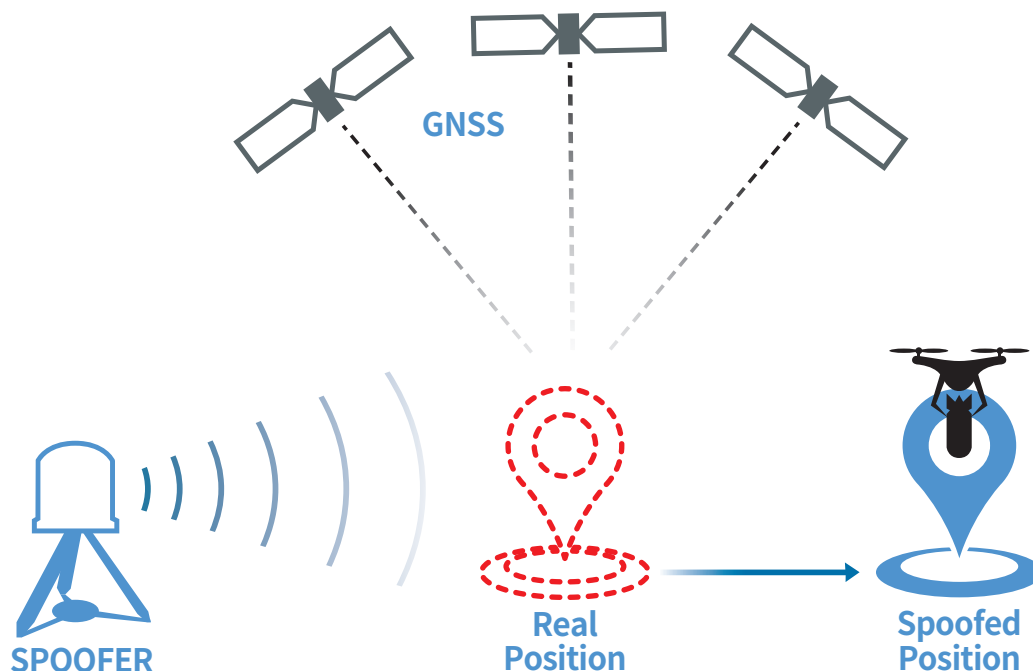
RF Jammer

- RF Jamming : ISM 433MHz, 915MHz, 2.4GHz, 5.8GHz,
- Block Drone's control and video signal
- Jamming frequency selective operation available
- Provide control program through network



GPS Spoofer

- Spoofing target : GPS 1575.42MHz, GLONASS 1602MHz
- Realization of mis-flight and geo-fence through deception of drones's location
- Can block GPS location information using noise signals
- Maximize deception performance by reflecting actual GPS information



Hellosat-T3000

GPS Spoofing & RF Jamming System



Parameters	Description	
Frequency range	GPS(Jamming, Spoofing)	1,575.42MHz
	GLONASS(Jamming, Spoofing)	1,602MHz
	2.4GHz ISM	2,400~2,485MHz
	5.8GHz ISM	5,725~5,875MHz
	433MHz ISM	420~470MHz
	900MHz ISM	860~930MHz
Jamming distance	GPS/GLONASS	10W
	2.4GHz	100W
	5.8GHz	50W
	400MHz	100W
	900MHz	50W
Spoofing distance	GPS Range	3km
	2.4GHz/5.8GHz	500m~1km
Operating time	1 hour	-
Temperature	-20~50°C	-
Size	Main system(19 inch Rack type)	60X50X40(cm)
	Antenna	50X20X60(cm)
Weight	Main system	30kg
	Antenna	5kg



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