

A bouquet of pink roses with green leaves is positioned on the left side of the image. The roses are in various stages of bloom, with some fully open and others as buds. The background is a soft, out-of-focus light pink and white.

WELCOME

Samjung Solution's Counter-UAS Solution Protection against Threats by UAS(*) / RPAS(**)

(*) UAS : Unmanned Aircraft System
(**) RPAS : Remotely Piloted Aircraft System

August 2025

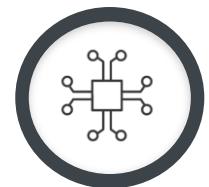
Core Competency



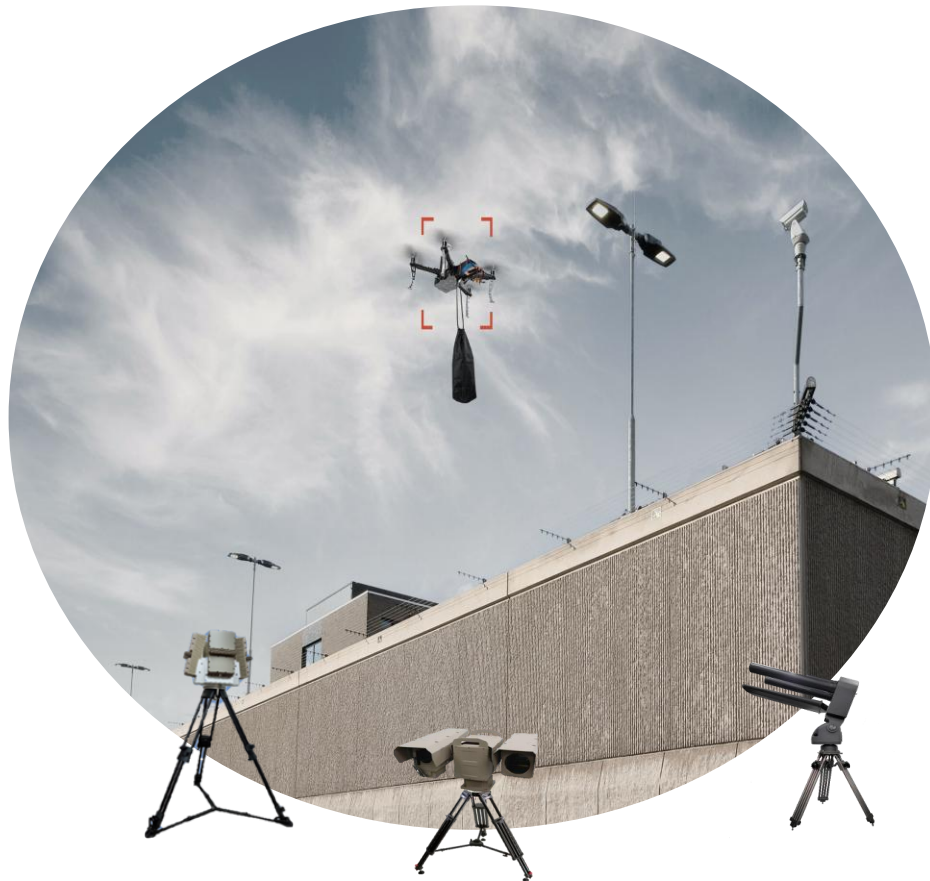
Counter UAS



Jamming



ICT



Contents

I . Overview

II . Counter-UAS Solution

III. Operational Concept

IV. Specifications

V . On Us

VI. Q & A

I. Overview

UAS and RPAS attacks and threats are in reality

Protect from **War, VIP Terrorism** and **Threats to National Critical Facilities**



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Russia and Ukraine are fighting the first full-scale drone war

By [Isabelle Khurshudyan](#), [Mary Ilyushina](#) and Kostiantyn Khudov
December 2, 2022 at 1:00 a.m. EST

CBS NEWS
U.S. >
Drone crash-lands near White House
OCTOBER 9, 2019 / 8:27 AM / CBS NEWS

CNN World Audio Live TV Log In

Ukraine war takes new turn as shelling and drone strikes hit inside Russia's border

By [Rob Picheta](#) and [Anna Chernova](#), CNN
Updated 12:15 AM EDT, Thu June 1, 2023

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Venezuela President Maduro survives 'drone assassination attempt'

5 August 2018

The New York Times
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Two Major Saudi Oil Installations Hit by Drone Strike, and U.S. Blames Iran

I . Overview

The Threats by UAS or RPAS and Countermeasures

○ The Threats by UAS or RPAS

- The growth of UAS creates a new risks from hazard to threat across multiple areas.
- While improving performance, reliability and survivability, low-cost systems are increasingly available and create dramatic change to the character of warfare.
- We must protect and defend personnel, facilities and assets from terrorism or threats by the clueless, careless and criminal users.

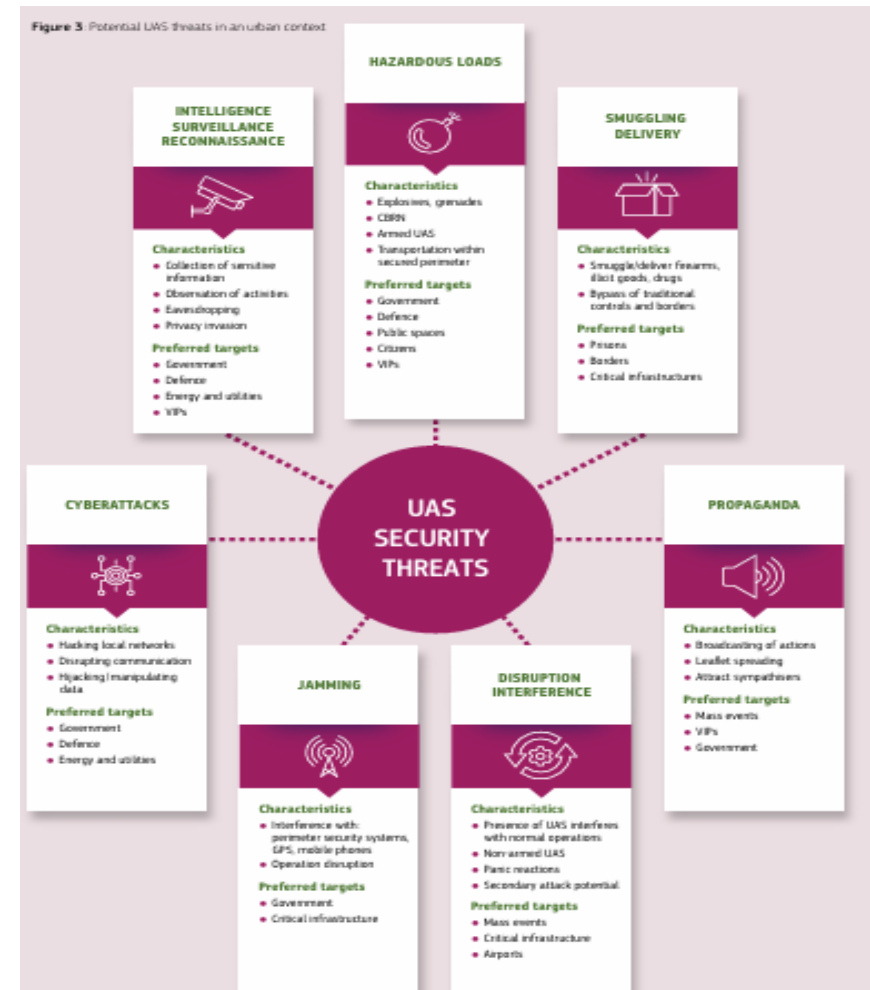
○ C-UAS Designed

- For detect, track and identify, neutralize(if necessary, deter, deny or defeat).
- Based on risk assessment, environment and vulnerability of the facility.
- According to user's requirement, can be designed with the most effective measures selectively.

○ Samjung Solution Co., Ltd.

- Was established in 2011.
- Anti-drone gun got the unique Innovative Product Certification by the Ministry of Small and Medium Venture Enterprises for the first time in Korea.
- Possess the core technology, manpower, production facilities to develop a series of jamming equipment.

○ Potential UAS Threats in an urban context



* Source : Handbook on UAS risk assessment(European Commission)

SJ Solution Counter-UAS Solution

Detection /
Identification



Neutralization

“Drone dome build”



RADAR



EO/IR Camera



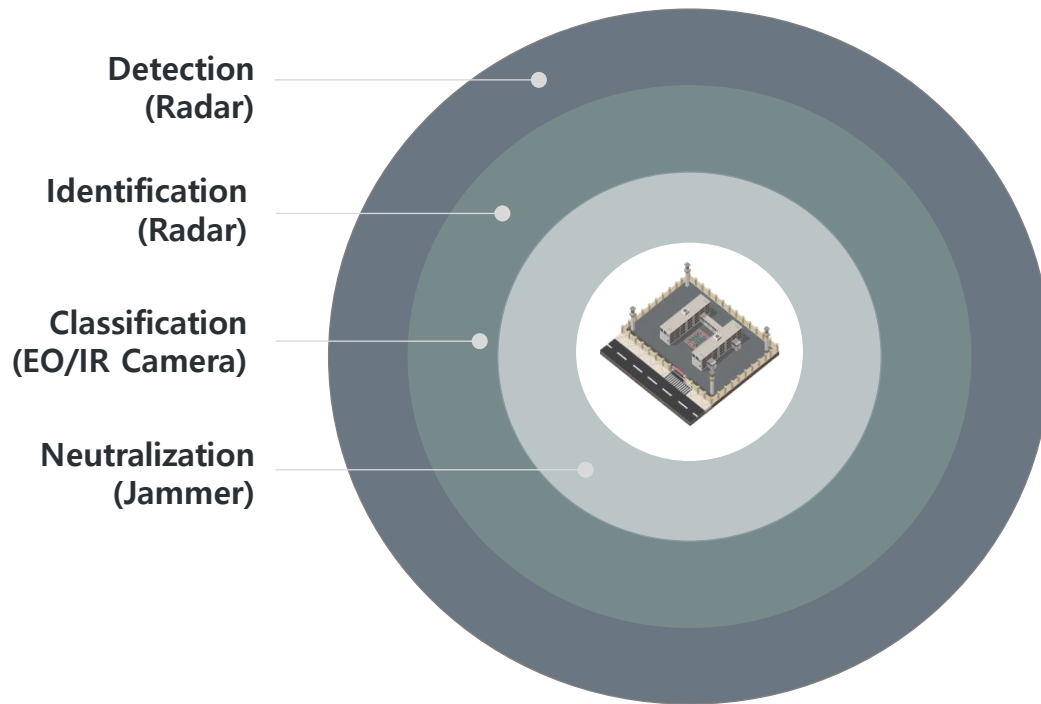
Fixed Type Jammer

III. Operational Concept

Counter-UAS Operational Concept

Each scenario requires specific considerations for integrated system, fixed, portable or vehicle-mount.

We can design according to the customer's request and the atmosphere of facilities.



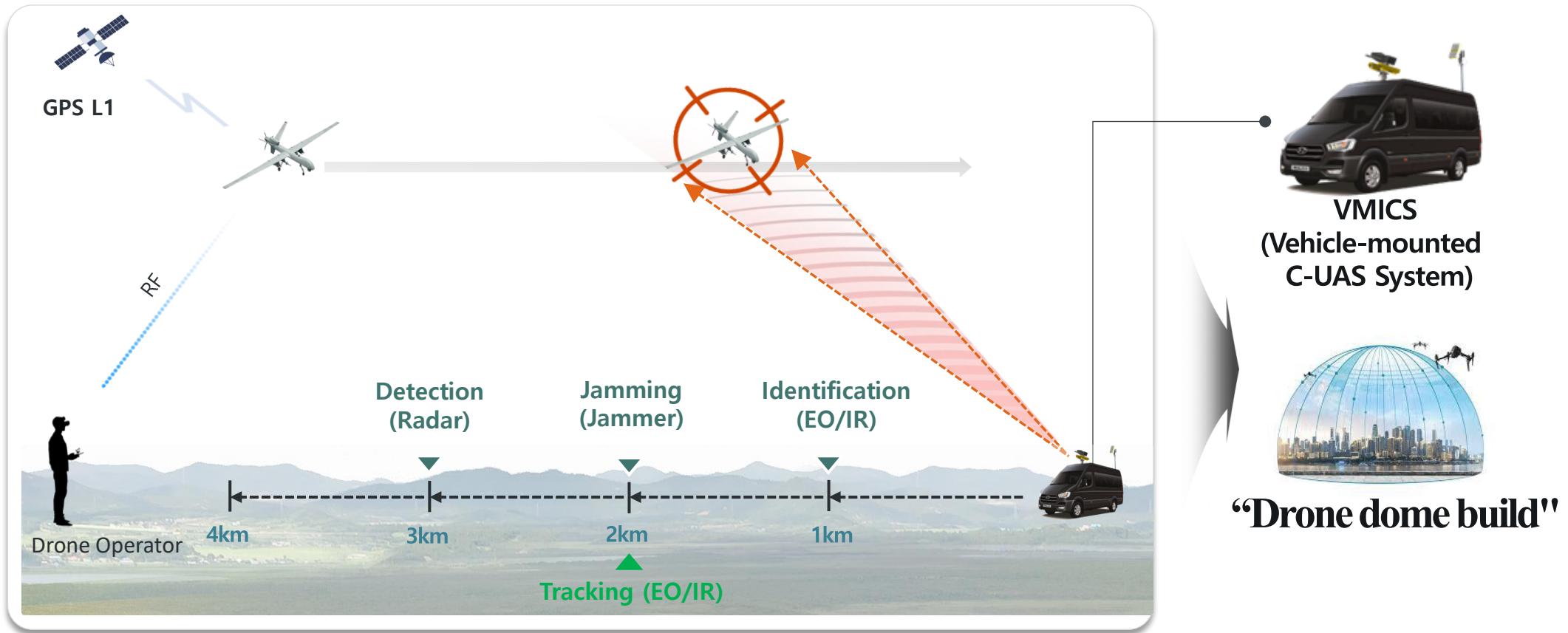
Detection & Identification Devices	Radar	
Classification Devices	EO / IR Camera	
Neutralization Devices	Jammer	

IV. Specifications

VMICS (Vehicle Mounted Integrated C-UAS System)

- Integrated C-UAS system on civilian vehicle to detect in 5km, track and identify in 2km, neutralize in 2~5km responding automatically to UAS.
- AI-based command and control system can identify between birds and UAVs.
- Delivered by the request of the Korea National Police Agency as an "Innovative Product".

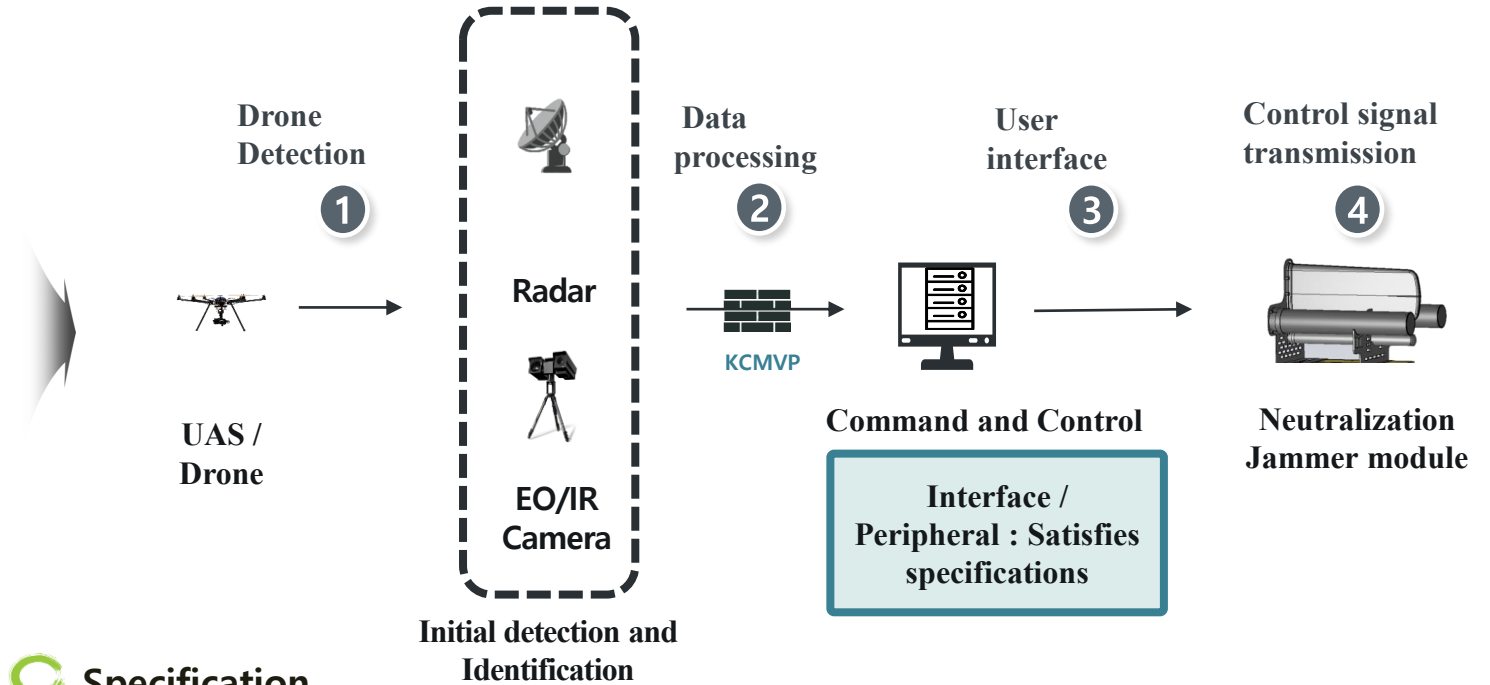
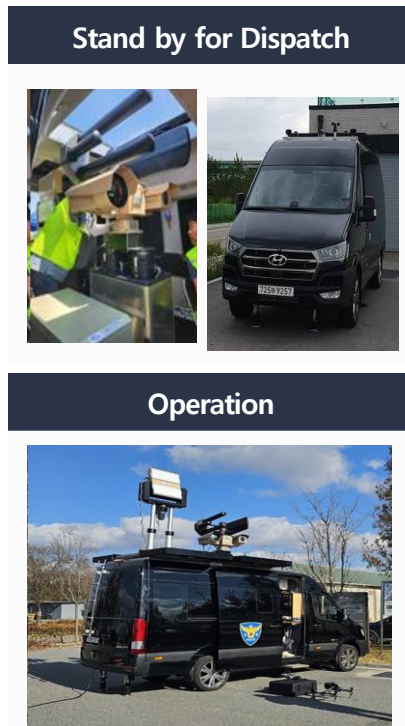
※ Composition, frequency, distance can be modified by user's request



IV. Specifications

VMICS (Vehicle Mounted Integrated C-UAS System)

»» Management Process



Specification

Parameter	Specification	Item	Parameter	Specification
Frequency	ISM 400MHz	RADAR	Detection distance	5Km
	ISM 900MHz		Azimuth/Elevation	100°/20°
	GPS L2	Camera (EO/IR)	Tracing range	3km/2km
	GPS L1		Identification range	2km/1km
	ISM 2.4GHz	Jammer	Jamming Distance	5km
	ISM 5.0GHz	C & C	Communication	Wire /Wireless
	ISM 5.8GHz	Vehicle	Hyundai Motors	SOLATI

IV. Specifications

VMICS (Vehicle Mounted Integrated C-UAS System)



※ Certified as a Excellent Product
by Public Procurement Service



VMICS



HESA
RADAR



EO/IR
CAMERA



JAMMER



CCS



High-Power
Amplifier



Generator



Battery



UPS

IV. Specifications

VMICS (Vehicle Mounted Integrated C-UAS System)



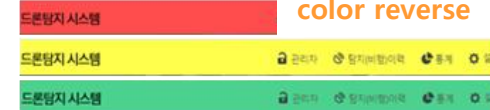
RADAR	Detection Range	Over 5km	
	Frequency	Ku-Band	
	Azimuth / Elevation	100° / 20°	
EO / IR Camera	Tracing Range	EO 3km / IR 2km	
	Identification Range	EO 2km / IR 1km	
Jammer	Jamming Distance	ISM 2km ~ GNSS 7km	
	Frequency	7 Bands GNSS L1/L2, ISM 400 /900MHz, ISM 2.4/5.0/5.8 GHz	
	RF Power	30W ~ 100W/Band	
Command & Control	Identification	Identify Birds and Drones	
	Communication	Wire / Wireless(LTE)	
	Encryption	KCMVP	
Vehicle	Model	Solati(Hyundai)	
Power	UPS(Battery)	2 Hour	
	AC	220V	continuous operation

IV. Specifications

VMICS (Vehicle Mounted Integrated C-UAS System)



Top Menu Background color reverse



Color	Setup Area	Alarm Criteria
GREEN	<ul style="list-style-type: none"> Fly zone: Surveillance Area 	Drone/Flying Object enters the area
ORANGE	<ul style="list-style-type: none"> Restricted Fly Zone Privacy protection/Birds strike area, etc. 	Drone or flying object enters the zone.
RED	<ul style="list-style-type: none"> No-fly Zone Fire hazardous areas (Airport railway, Port) 	Drone or flying object enters the zone.

1 Menu Category

- * Background color reverses when alert
- * Menu: Setup/Detection Record/Statistics
- * AI function setup

2 Map/Display Category

- * Map selection/Zoom In & Out
- * Various contents display according to the situation

3 Toolbar Category

- * Return to the map's initial configuration
- * EO/IR control
- * Jammer/GNSS Spoofing control

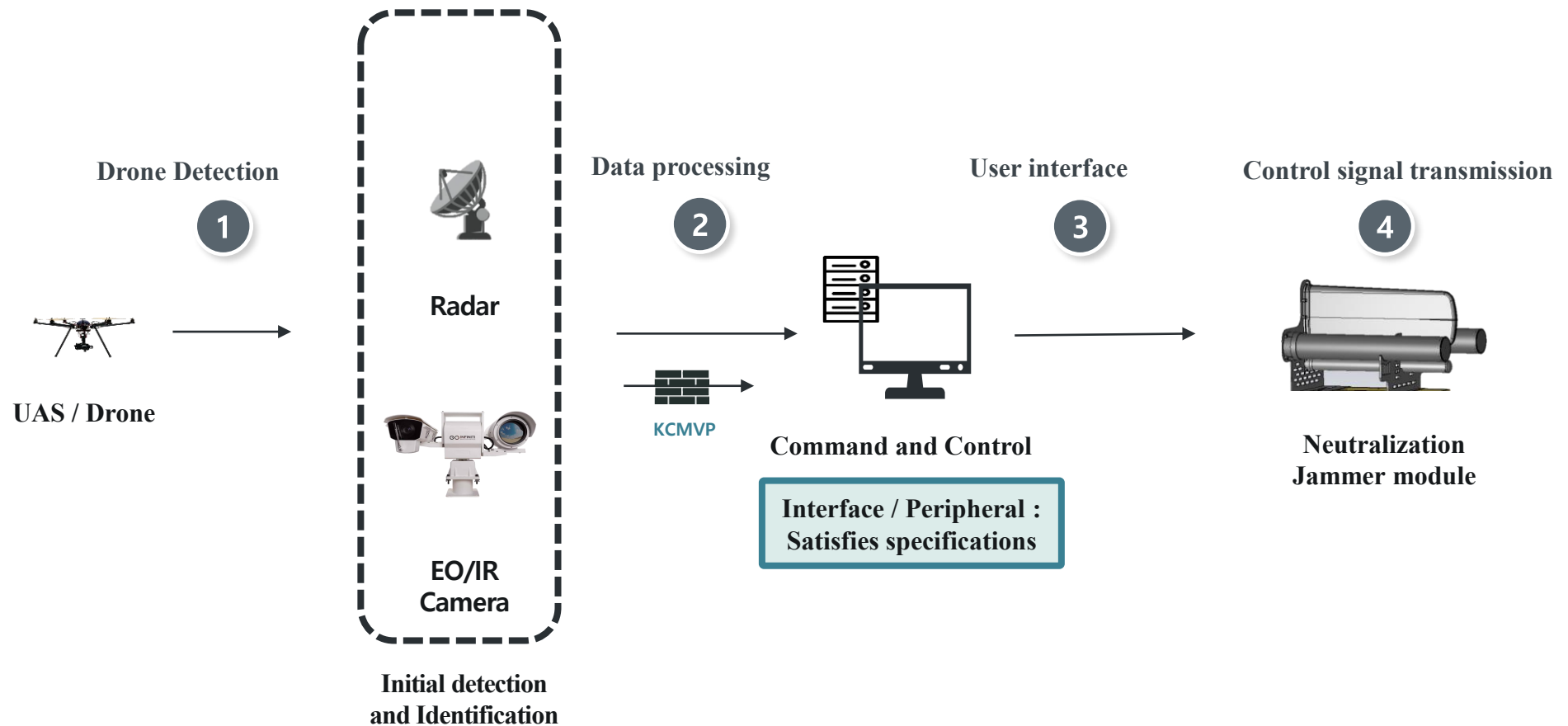
4 Contents Category

- * Customizable based on the user's taste
- * Target information
- * Sensor setup: Installation location/detection information

IV. Specifications

GBICS (Ground Based Integrated C-UAS System)

- ❖ An integrated system to detect UAS and drones approaching to national critical facilities from a distance, identify and neutralizes them by jamming the piloting and satellite signals
- ❖ The system consists of detection and identification equipment (Radar, EO/IR Camera) and neutralization equipment (Jammer) on each place(3 ~ 4 units can cover all around the facility))

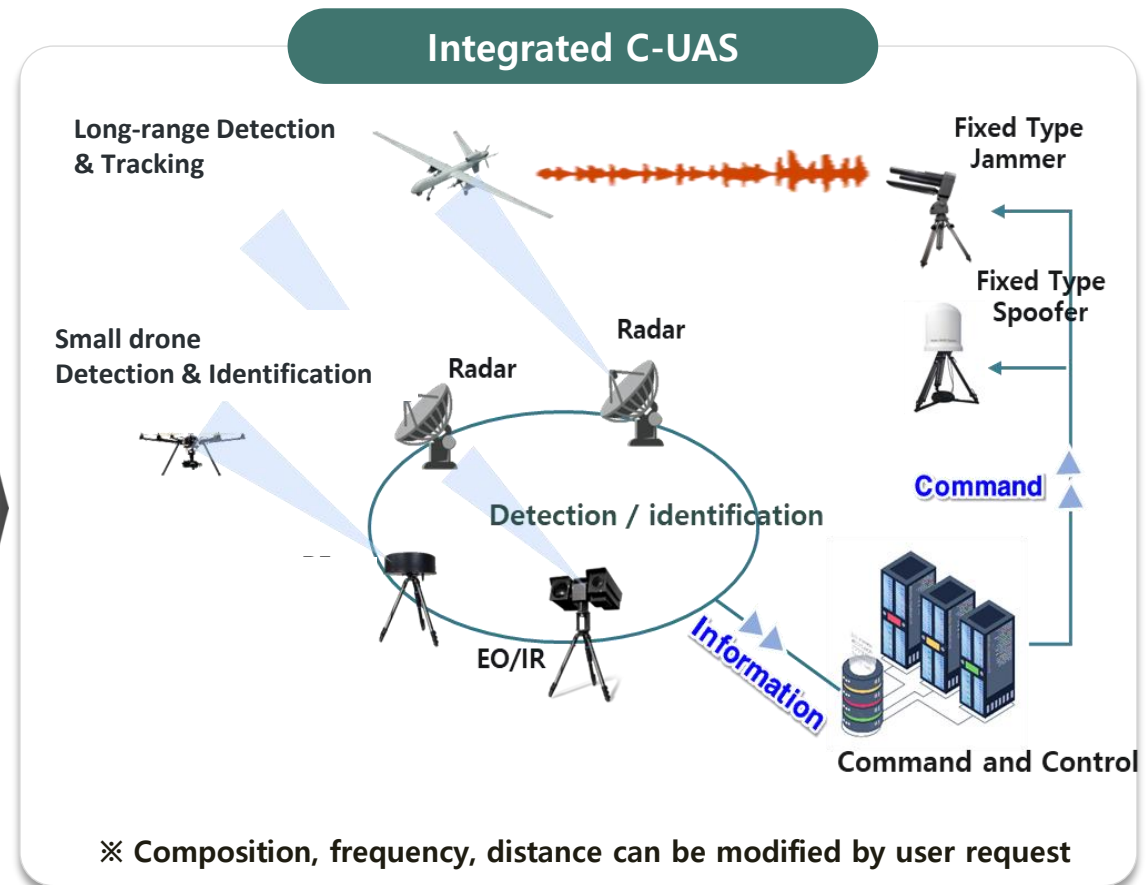
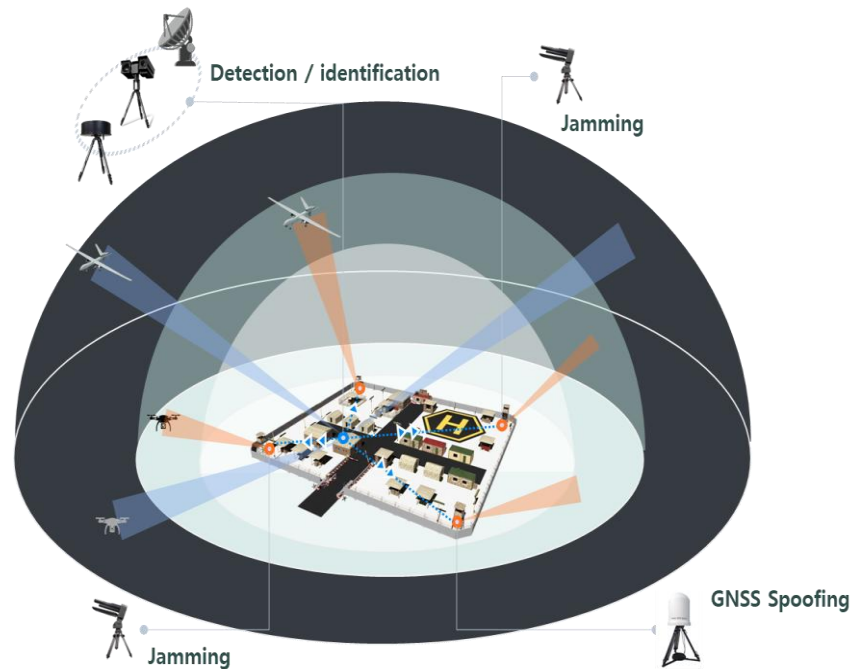


IV. Specifications

GBICS (Ground Based Integrated C-UAS System)

- ❖ An integrated system to detect UAVs and drones approaching to national critical facilities from a distance, identify and neutralizes them by jamming the piloting and satellite signals
- ❖ The system consists of detection and identification equipment (Radar, EO/IR), neutralization equipment (Jammer) around the command & control center.

Type I (360°)



IV. Specifications

GBICS (Ground Based Integrated C-UAS System)

- ❖ An integrated system to detect UAS and drones approaching to national critical facilities from a distance, identify and neutralizes them by jamming the piloting and satellite signals
- ❖ The system consists of detection and identification equipment (Radar, EO/IR Camera) and neutralization equipment (Jammer) on each place(3 ~ 4 units can cover all around the facility))

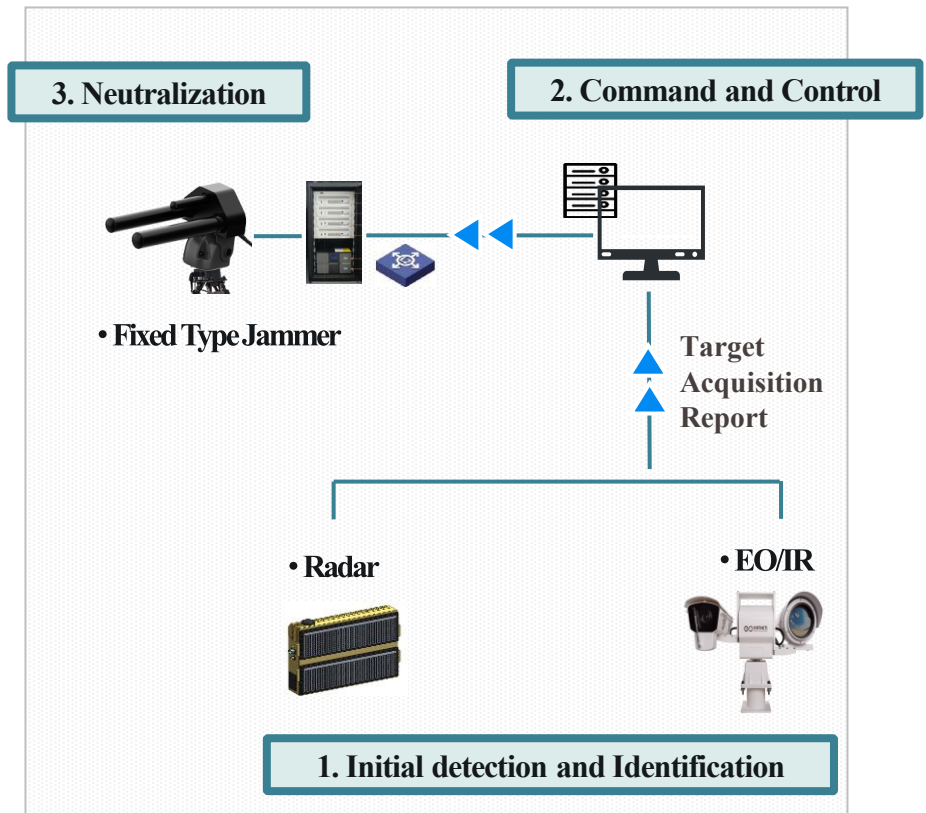
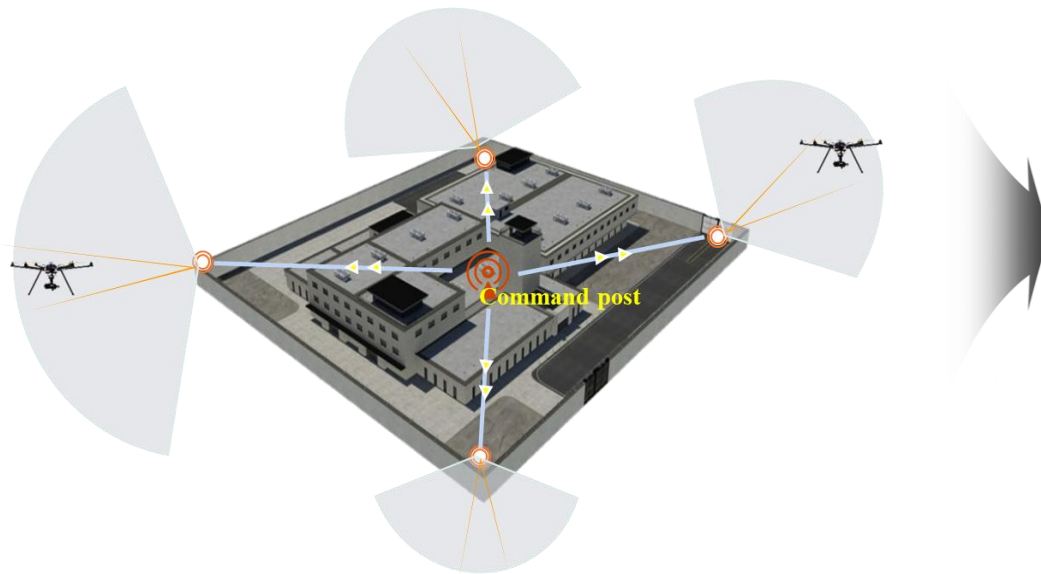
Type II(100° x 4)

Detection and Identification

Detection Range : 3km (Small Drone)
Detection direction : 100° x 4

Neutralization

Jamming Range : 3km
Jamming direction : : 100° x 4



※ Composition, frequency, distance can be modified by user request

IV. Specifications

AESA Radar Specifications(Type I)



• Country of origin: South Korea



Frequency band	X-Band(8.5GHz~8.6GHz)	Range accuracy	≥5m
detection range(typ.)	≤3km (RCS : 0.01m ²)-	Azimuth accuracy	≥0.5°
Transmitted Power	-	Elevation accuracy	≥50m
Transmitted Type	-		-
Scan speed (renewal cycle)	≥2sec	Dimensions	312*561*102@1ea
Azimuthal coverage	360°	Operation temperatures (standard)	- 20 ~ +55°C
Instrumental detection range		Storage temperature	- 32 ~ +60°C
detection range(typ.)	-	Environmental	IP65
Range resolution		Weight	≥70kg (16kg*4ea)

IV. Specifications

AESA Radar Specifications(Type II)



• Country of origin: South Korea



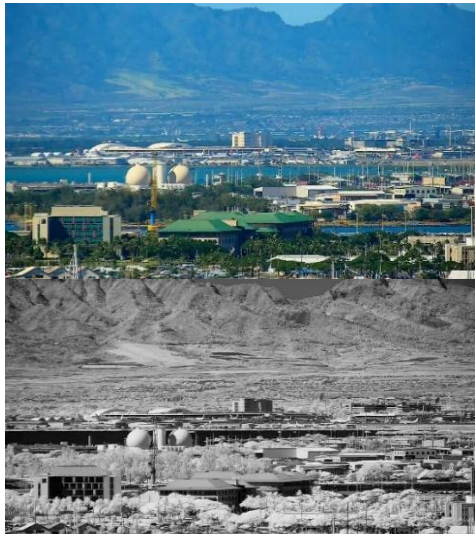
Frequency band	X-Band(8.5GHz~8.6GHz)	Range accuracy	≥5m
detection range(typ.)	3~7km (RCS : 0.01m ²)	Azimuth accuracy	≥0.5°
Transmitted Power	480W(peak)	Elevation accuracy	≥50m
Transmitted Type	-		-
Scan speed (renewal cycle)	≥1.5sec	Dimensions	56*56*14@1ea
Azimuthal coverage	100°	Operation temperatures (standard)	- 20 ~ +50°C
Instrumental detection range		Storage temperature	- 20 ~ +50°C
detection range(typ.)	-	Environmental	IP65
Range resolution		Weight	≥27kg

IV. Specifications

EO/IR Camera Specifications



• Country of origin : CANADA



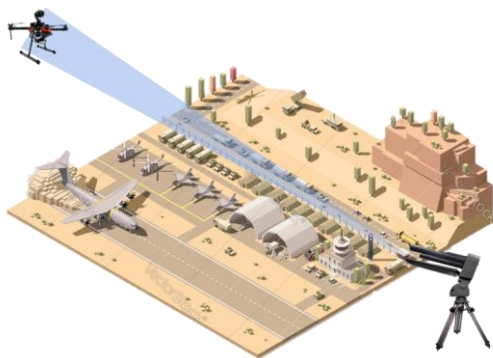
System	Weight & Size		60kg / 634.5(W)*380(D)*458.5(H) mm
	Pan/Tilt		Pan Range 360° Continuous Rotation
			Tilt Range +90° to -90°
	Wiper		Visible Camera Wiper
	Power		40W to 350W depending on configuration and heater
	Operation Temp		-10°C to +60°C
IP Level		IP 66	
EO Camera	Sensor & Pixel		1/1.8" 4MP Progressive Scan CMOS Sensor & 2560×1440
	Magnification		49X (5.6–272mm HD Continuous Zoom Lens)
IR Camera	Sensor & Pixel		VOx Uncooled Microbolometer, 30Hz ,12 μm / 640×480
	Magnification		26–230mm Motorized Germanium Zoom Lens
detection range	DRI Range	Human	16km
		Vehicle	27km
Interfaces	Video		RTSP H.264
	Visible Camera Configuration		Web Client (IE recommended)

IV. Specifications

Fixed Type Jammer



• Country of origin: South Korea

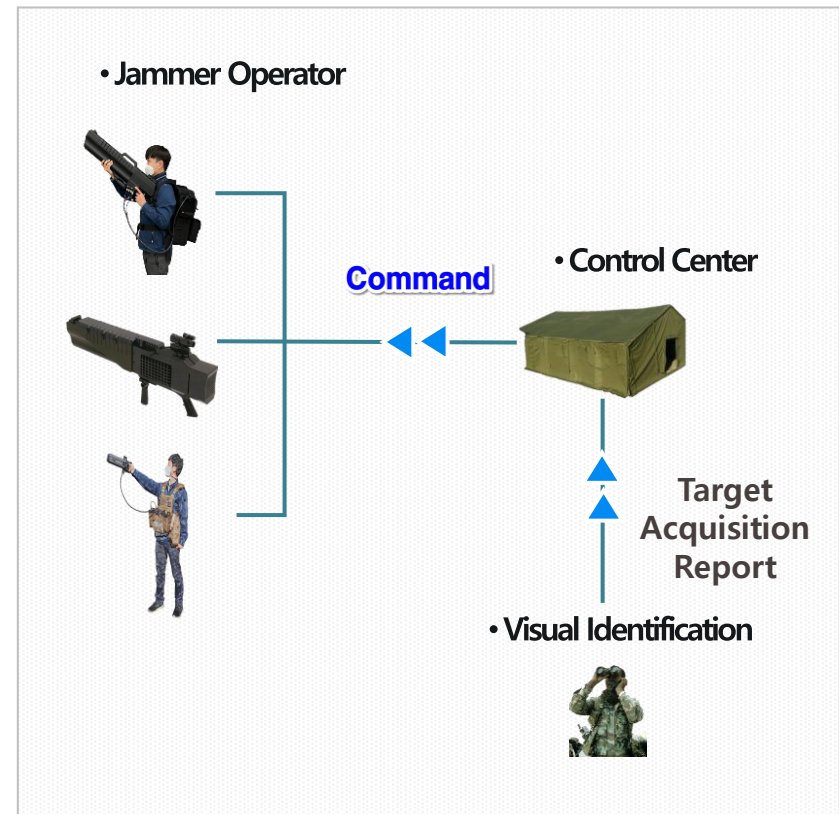
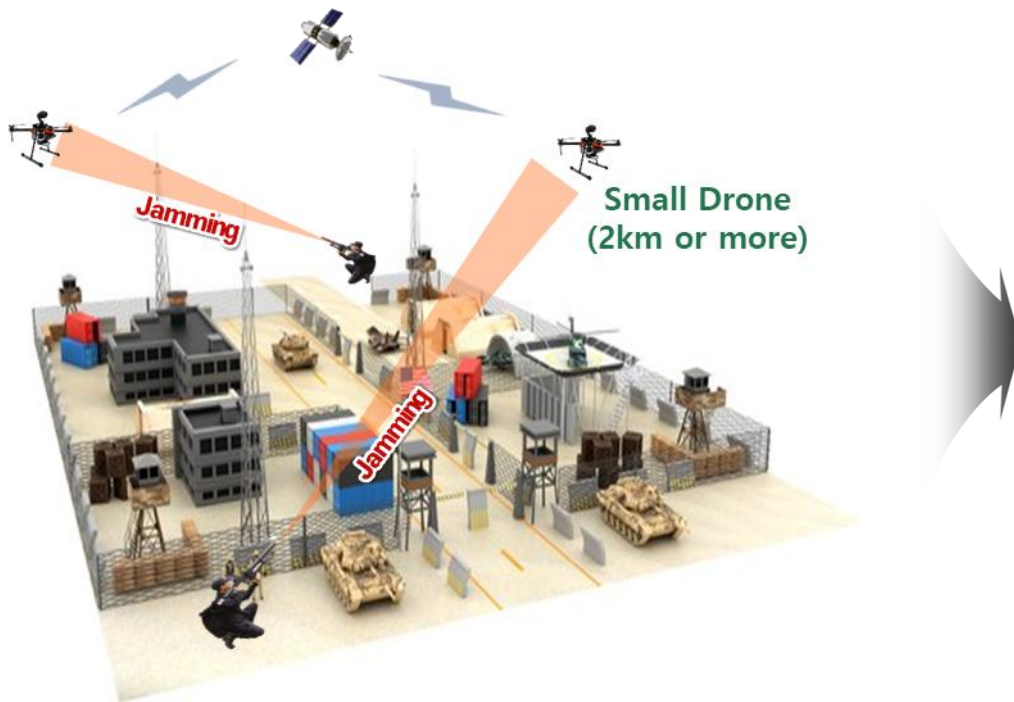


Maximum Jamming Frequency *customizable	GNSS L1	1,559 ~ 1,610 MHz
	GNSS L2	1,164 ~ 1,300 MHz
	2.4 GHz ISM	2,400 ~ 2,485 MHz
	5.0 GHz ISM	5,030 ~ 5,350 MHz
	5.8 GHz ISM	5,725 ~ 5,875 MHz
	433 MHz ISM	420 ~ 470 MHz
	900 MHz ISM	902 ~ 928 MHz
Jamming Range *customizable	GNSS 8.0 km / ISM 3 km	
Operation temperatures	-30 ~ 50 °C	
Power Supply	28V DC (Separate Power Module will be supplied)	
Ingress Protection	IP65	
Dimensions (L x W x H)	Approx 483 x 600 x 836 (mm)	
Weight	Less than 120kg(Antenna except)	

IV. Specifications

Operational Concept of Portable Jammer

- ❖ Protection from drone terrorism, rapid response and security operations in specific areas
- ❖ Detect drones approaching to unit or national critical facilities, and report target acquisition data to the control center
- ❖ The operator neutralizes the drone with the Portable Anti-drone Gun according to the command from CC



IV. Specifications

Portable Jammer



Overview

- Gun-typed anti-drone Jammer to neutralize UAS in a rather short distance.
- Can emit jamming Frequencies more than 1 hour using a spare battery.
- Can be employed by one person individually or with C-UAS system.
- Developed for the first time in Korea, and delivered about 60% of domestic market.
- Similar versions are available : Backpack/carriable, Attachable to the gun, Ground installation/remotely-controlling type along the perimeter

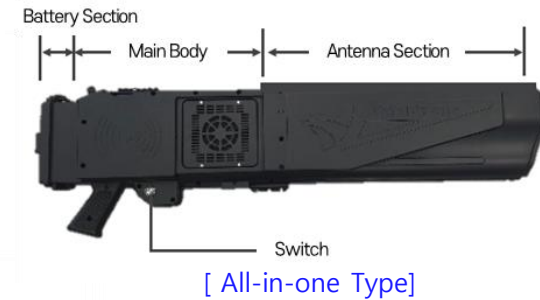
Features

- Easy to carry and operate quickly.
- Main body, power supply, and antenna are manufactured in one body.
- Covers 7 bands of UAS operating frequency including GNSS L1, L2.
- Battery replacement needs only one touch.

Specification

Parameter	Specification	Parameter	Specification	Note
Frequency	ISM 400MHz	Jamming Distance	2Km	
	ISM 900MHz	Continuous Emission Time	60min or over	2 Batteries
	GPS L2	Weight	5Kg or less	Battery included
	GPS L1	Dimension(mm)	900 x 250 x 101	
	ISM 2.4GHz	IP Rating	IP65	
	ISM 5.0GHz	Temperature	-32°C ~ +55°C	
ISM 5.8GHz				

Outlook



[All-in-one Type]



[Backpack/carriable Type]



[Attachable Type]



[Ground Installation Type]



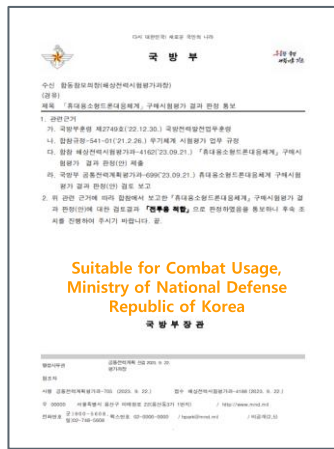
IV. Specifications

Portable Jammer _ Carriable Type



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※ Certified as an **Innovative product** by Ministry of SMEs and Startups of Korea



Category	PORTABLE	All-in-one	Rifle attachable
Frequency	GPS L1 ISM 2.4/5.8MHz	7 band	GPS L1 ISM 2.4/5.8MHz
Distance	2 km	1.2 km	1.2 km or more
Weight	Max 20kg	under 5kg	under 3.4kg

Antenna

* Emit Jamming Frequencies

Main Body

* Create and Amplify Jamming Frequencies



Bag

*Back-pack or Hand-carry



Main Body



Battery



Bag



Antenna and Cable
(GPS L1, ISM 2.4 / 5.8GHz)

IV. Specifications

Portable Jammer _ Carriable Type



• Country of origin: South Korea



Maximum Jamming Frequency <i>*customizable</i>	GNSS L1	1,559 ~ 1,610 MHz
	2.4 GHz ISM	2,400 ~ 2,483.5 MHz
	5.8 GHz ISM	5,725 ~ 5,850 MHz
Jamming Range <i>*customizable</i>	2.0 km	
Operation temperatures	-20 ~ 50 °C	
RF Power	2~20W/band	
Antenna Gain	Min 10dBi	
Ingress Protection	IP65	
Dimensions (W x D x H)	Main Body	Approx 305 x 146 x 377 (mm)
	Antenna	Approx 96 x 264 x 786 (mm)
Weight	Less than 20kg	

IV. Specifications

Portable Jammer _ All-in-one Type

category	PORTABLE	All-in-one	Rifle attachable
Frequency	GPS L1 ISM 2.4/5.8MHz	7 band	GPS L1 ISM 2.4/5.8MHz
Distance	2 km	1.2 km	1.2 km or more
Weight	Max 20kg	under 5kg	under 3.4kg

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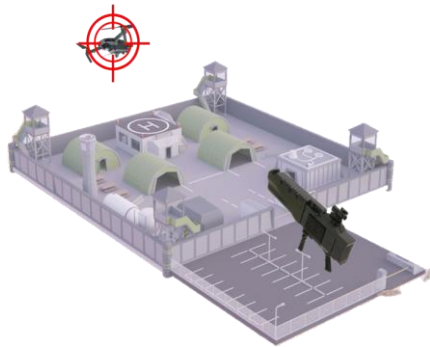


IV. Specifications

Portable Jammer _ All-in-one Type



• Country of origin: South Korea



Maximum Jamming Frequency	GNSS L1	1,559 ~ 1,610 MHz
	GNSS L2	1,164 ~ 1,300 MHz
	2.4 GHz ISM	2,400 ~ 2,483.5 MHz
	5.8 GHz ISM	5,450 ~ 5,850 MHz
	5.0 GHz ISM	5,030 ~ 5,350 MHz
	400 MHz ISM	420 ~ 470 MHz
	900 MHz ISM	902 ~ 928 MHz
Jamming Range *customizable	1.2 km	
Operation temperatures	-20 ~ 50 °C	
RF Power	10~20W/band	
Antenna Gain	Min 6dBi	
Ingress Protection	IP65	
Dimensions (W x D x H)	Approx 965 x 330 x 234 (mm) (Including Battery)	
Weight	Less than 5kg (Including Battery)	

IV. Specifications

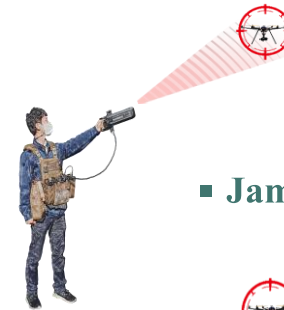
Portable Jammer_Rifle attachable Type

category	PORTABLE	All-in-one	Rifle attachable
Frequency	GPS L1 ISM 2.4/5.8MHz	7 band	GPS L1 ISM 2.4/5.8MHz
Distance	2 km	1.2 km	1.2 km or more
Weight	Max 20kg	under 5kg	under 3.4kg



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※ Certified as an **Innovative product** by Ministry of SMEs and Startups of Korea



■ Jammer Only



■ Rifle Attach (Soft + Hard Kill)



Antenna



Main Body



Battery



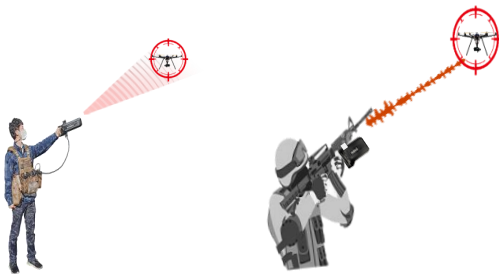
Cable

IV. Specifications

Portable Jammer _ Rifle attachable Type



• Country of origin: South Korea



Maximum Jamming Frequency <i>*customizable</i>	GNSS L1	1,559 ~ 1,610 MHz
	2.4 GHz ISM	2,400 ~ 2,483.5 MHz
	5.8 GHz ISM	5,725 ~ 5,850 MHz
Jamming Range <i>*customizable</i>	1.2 km	
Operation temperatures	-20 ~ 50 °C	
RF Power	1~2W/band	
Antenna Gain	Min 5dBi	
Ingress Protection	IP65	
Dimensions (W x D x H)	Approx 200 x 150 x 80 (mm)	
Weight	3.4kg (Main Body, Battery, Antenna, Cables)	

IV. Specifications

Portable Jammer _ Ground Installation Type





• Country of origin: South Korea

Maximum Jamming Frequency <i>*customizable</i>	GNSS L1	1,559 ~ 1,610 MHz
	2.4 GHz ISM	2,400 ~ 2,483.5 MHz
	5.8 GHz ISM	5,725 ~ 5,850 MHz
Jamming Range <i>*customizable</i>	2 km	
Operation temperatures	-20 ~ 50 °C	
RF Power	2 steps adjustable(Half / Full)	
Antenna	Directional 40degree	
Ingress Protection	IP65	
Dimensions (W x D x H)	160 x 250 x 400 (mm)	
Weight	15kg (Main Body, Power cable, Connector)	

IV. Specifications

Drone-Mounted Jammer

<p>Type 1</p> 	<p>Maximum Jamming Frequency *customizable</p>	GNSS L1	1,559 ~ 1,610 MHz
		2.4 GHz ISM	2,400 ~ 2,483.5 MHz
		5.8 GHz ISM	5,725 ~ 5,850 MHz
<p>Type 2</p>  <p>• Country of origin: South Korea</p>	<p>Jamming Range *customizable</p>	More than 250m(type 1), More than 500m(type 2)	
	<p>Operation temperatures</p>	-20 ~ 50 °C	
	<p>RF Power</p>	1 ~ 4 W/Band	
	<p>Antenna</p>	Directional 40degree	
	<p>Ingress Protection</p>	IP65	
	<p>Dimensions (W x D x H)</p>	255 x 242 x 242 (mm)	
	<p>Weight</p>	3.5 ~ 3.7kg (Excluding connecting bracket)	

IV. Specifications

Portable IED Jammer

Overview

- By jamming the terrorist's communicator and IED remote detonator, it can increase the survivability of EOD squad.
- Useful equipment for VIP Guard, EOD squad and Combatant.
- Delivered to military and police.

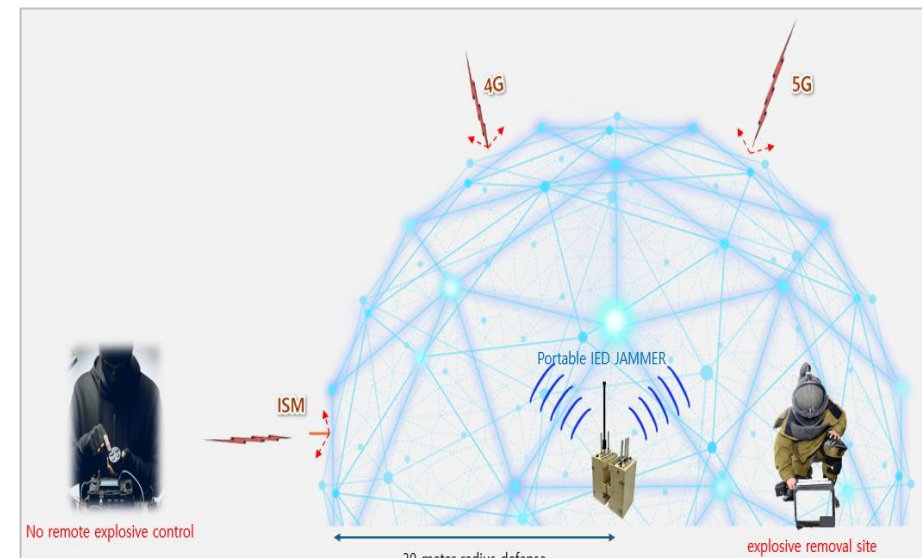
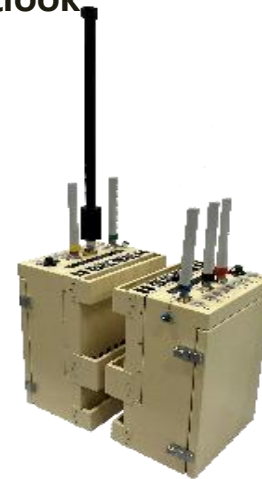
Features

- 12 channels can cover all frequencies from 20 MHz to 6 GHz.
- Can operate easily channels selectively for communication and control.
- Can cover radius 30m around the back-pack equipment.

Specification

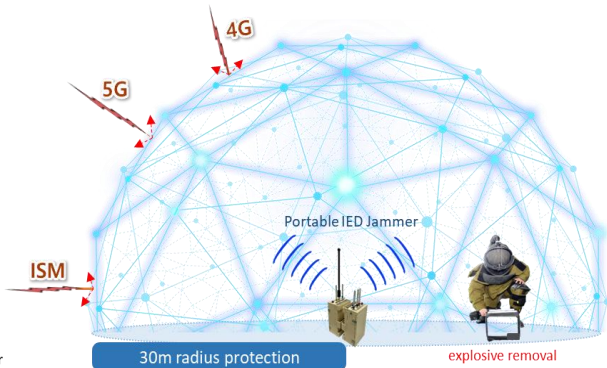
Parameter	Specification	Note
Frequency	20MHz ~6GHz domestic frequency	12 Channels
Continuous Emission Time	more than 1 hour	
Jamming Distance	30m	radius
Power Output	10W over (-70dBm@30m over)	Each Band
Dimension	500*300*200mm	H*W*D
Weight	42kg(21Kg*2)	Including Battery
Antenna	non-directional N-type 3per machine	120cm below
Battery	Lithium-Ion	detachable
Components	2 Backpacks	2 Main Body (battery included)

Outlook



IV. Specifications

Portable IED Jammer



Jamming Frequency (11Bands)
*customizable

Jamming Range
*customizable

Continuous Emission

RF Power

Antenna Gain

Power Consumption

Dimensions (W x D x H)

Weight

750~965MHz

1710~18*0MHz

1920~21*0MHz

2500~26*0MHz

3400~37*5MHz

1**~3**MHz

25~17*MHz

500~9*0MHz

1000~1*00MHz

1550~1*20MHz

2170~2*00MHz

TRS, Wireless MIC, LTE / CDMA / GSM Phone

LTE / GSM Phone(1810~1870)

WCDMA / LTE Phone(2110~2170)

LTE Phone(2620~2670)

5G Phone
(3420~3500, 3500~3600, 3600~3700)

User demanded

RC(26~28, 40~41, 72~73, 75~76),
CB(26~28)

TRS(811~866),
Wireless MIC(925~938)

GPS(L2, 1215~1240)

GPS(L1, 1563~1587)
Wireless phone(1786~1792)

Wi-Fi(2400~2484), RC(2400~2484)
Wireless phone(2400~2500)

Radius 30m

60 m

10W/band

Min 10dBi

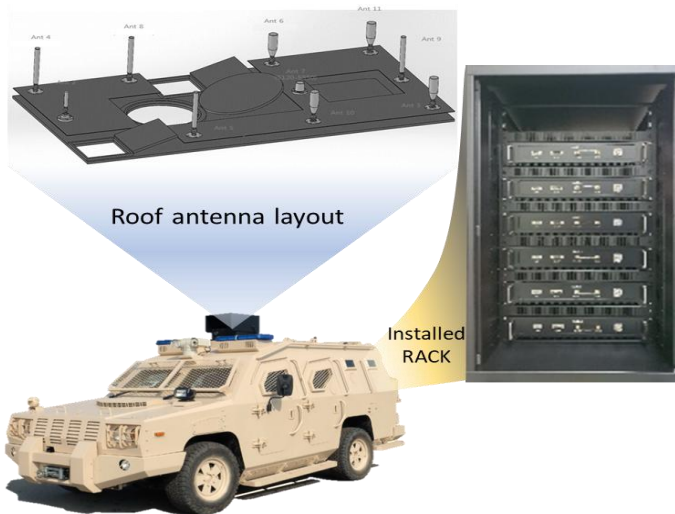
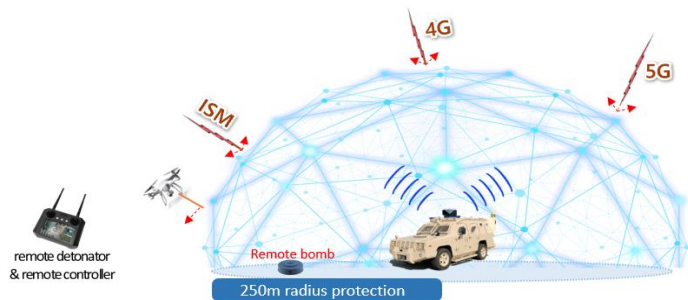
IMax 300W

Appro 500*300*200(mm)

27kg (Main Body, Battery, Antenna, Cables)

IV. Specifications

Vehicle type IED Jammer



<p>Purpose</p>	<p>IED disablement equipment for VIP protection, EOD, troop protection`</p>
<p>Frequency band *customizable</p>	<p>758 ~ 5,850MHz (10 bands)</p>
<p>Weight</p>	<p>15kg(Per band)</p>
<p>Antenna</p>	<p>Omni-directional</p>
<p>Key Point</p>	<p>Disable IED within 250m</p> <p>Outstanding mobility</p>

IV. Specifications

Mobile Communication Jammer



Purpose

- Prevent enemy surveillance of radio communication between military and police and civilian mobile communication radio frequency bands in critical and military border areas

Key Point

- Long-distance jamming
- Support NMS for remote location management
- Non-stop operation with battery when main power supply is abnormal

Specification

- Frequency band : TRS. MW, Network of disasters, 5G and etc. (Base on customer request)
- Power consumption : 100W/band
- Continuous emission time : Nonstop (With power supply) / 2 hours (battery)

VIP Security Jammer



Purpose

- Confidentiality and security conference rooms, blocking radio communications in case of specific security for key personnel

Key Point

- Easy to move and carry and operate many Jamming channels
- 800MHz to 5.9GHz broadband jamming (mobile and ISM bands)
- Can disable communication equipment with a radius of 40 meters or more
- Output 2 steps adjustable, split frequency band individual control function

Specification

- Frequency band : 800MHz~5.9GHz
- Jamming distance : Over 30m
- Continuous emission time : Over 4 hours (MAX power)

IV. Specifications

Mobile communication Jammer

Overview

- This spill-over blocking equipment can be deployed along the border.
- By disturbing or interfering, it can hinder the opponent's information collecting activities and block the radio waves from friendly communication site's spill-over above the border.

Features

- It can be automatically operated continuously 24 hours a day using AC power.
- It is possible to prevent the enemy from conducting electronic warfare by blocking friendly communication signals.
- It is possible to carry out regardless of weather conditions.

Specification

Parameter	Specification	Note
Frequency	LTE(800MHz)	
	LTE(900MHz)	
	LTE(1.8GHz)	
	LTE+WCDMA(2.1GHz)	
	LTE(2.6GHz)	
Antenna Coverage	63° ±9°	Horizontal
	≥ 4.5°	Vertical
Jamming Distance	3km	
Operating Temperature	-30°C ~ 50°C	
Monitoring	USB - B type	External NMS(RS-232)
Jamming	AWGN Sweep Noise	

Outlook



IV. Specifications

VIP Security Jammer

Overview

- Mobile communication device generates jamming signals to neutralize Tx signals except the Rx from the Wi-Fi ISM band from 800MHz to 5.9GHz.
- It can neutralize all the mobile communication.
- The frequencies included are divided into 10 bands on each switch.
- It operates in a box-type mobile carrier, emits jamming signals through an antenna.

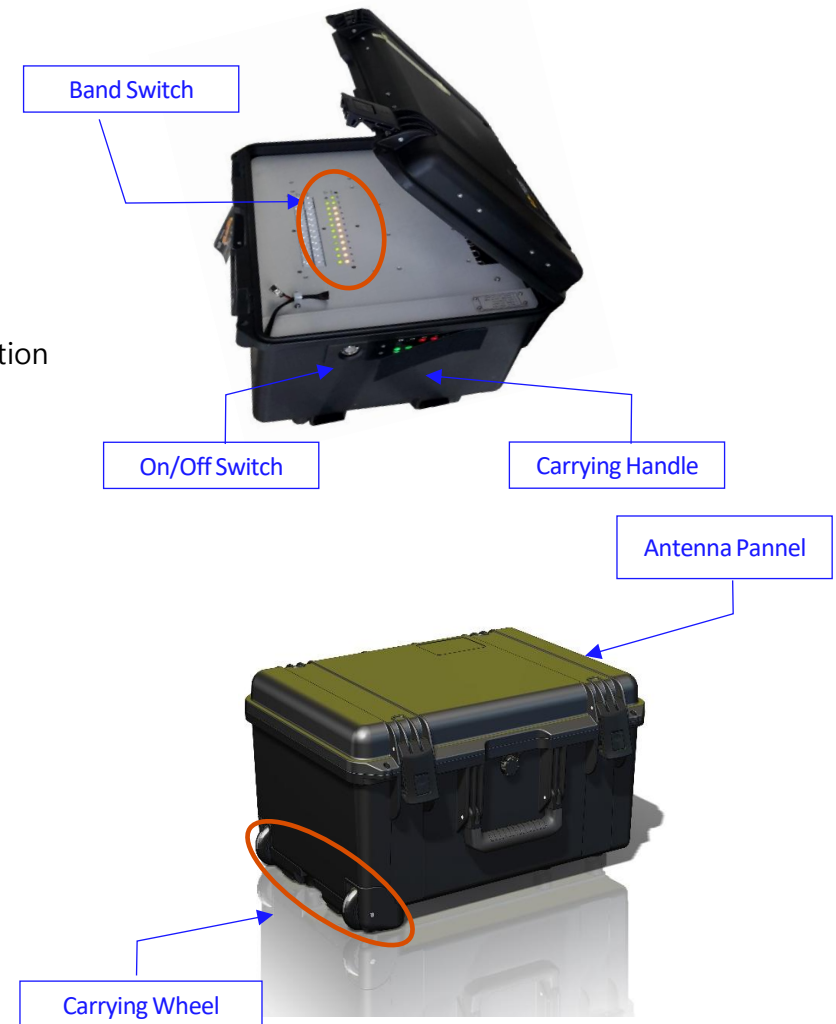
Features

- It is easy to carry and perform the mission secretly as it is In case of closing cover.
- After selecting keypad inside the equipment to turn on/off the HPA, one touch of activation switch can operate all-in-one or selectively.
- It is easy to perform VIP security duties by blocking mobile communication around it.

Specification

Item	Parameter	Specification
Case	Outside	ABS resin (palicon case)
Internal Configuration	Control Unit	ON/OFF & Output Control Switch
	Power Supply	PSU(AC to DC)
	Antenna	Directivity (inside mounted)
	Communication Interface	RS-232
General matters	Dimension	420x580x270mm
	Weight	27kg
	Output	End-to-end output by band -BAND 1~7 : 20W and more -BAND 8~10 : 5W and more
	Operating Temperature	-20 ~ +20°C

Outlook



IV. Specifications

On-Board Surveillance System

Overview

- Mobile surveillance equipment can and set up to cover the vulnerable areas with panoramic stabilized observation system.
- If there is no pre-installed surveillance system, it is useful in battlefield.
- It can collect the Information on the enemy's personnel and equipment through monitoring.
- It can cover the vulnerable line of approach of friendly forces continuously

Features

- It is easy to move and set up rapidly after arriving designated point.
- It can be automatically operated on board continuously 24 hours a day using AC power.

Specification

Item	Specification
Workstation / Monitor	2EA
EO	panoramic stabilized observation system
	Installation on Tactical vehicle
	Daylight FOV : (H) 0.44°~26.1°, (V) 0.25°~15°
	Thermal FOV : 0.8°~15.2°
IR	Fighter : EO 20km, UAV(2m) : 6km
	Fully passive panoramic surveillance With automatic detection, tracking and reporting
IR	Fighter : IR 20km, UAV(2m) : IR 5km
LRF	20km(max)
PT driving Range	Azimuth : 360° / Elevation : ±90°

Outlook

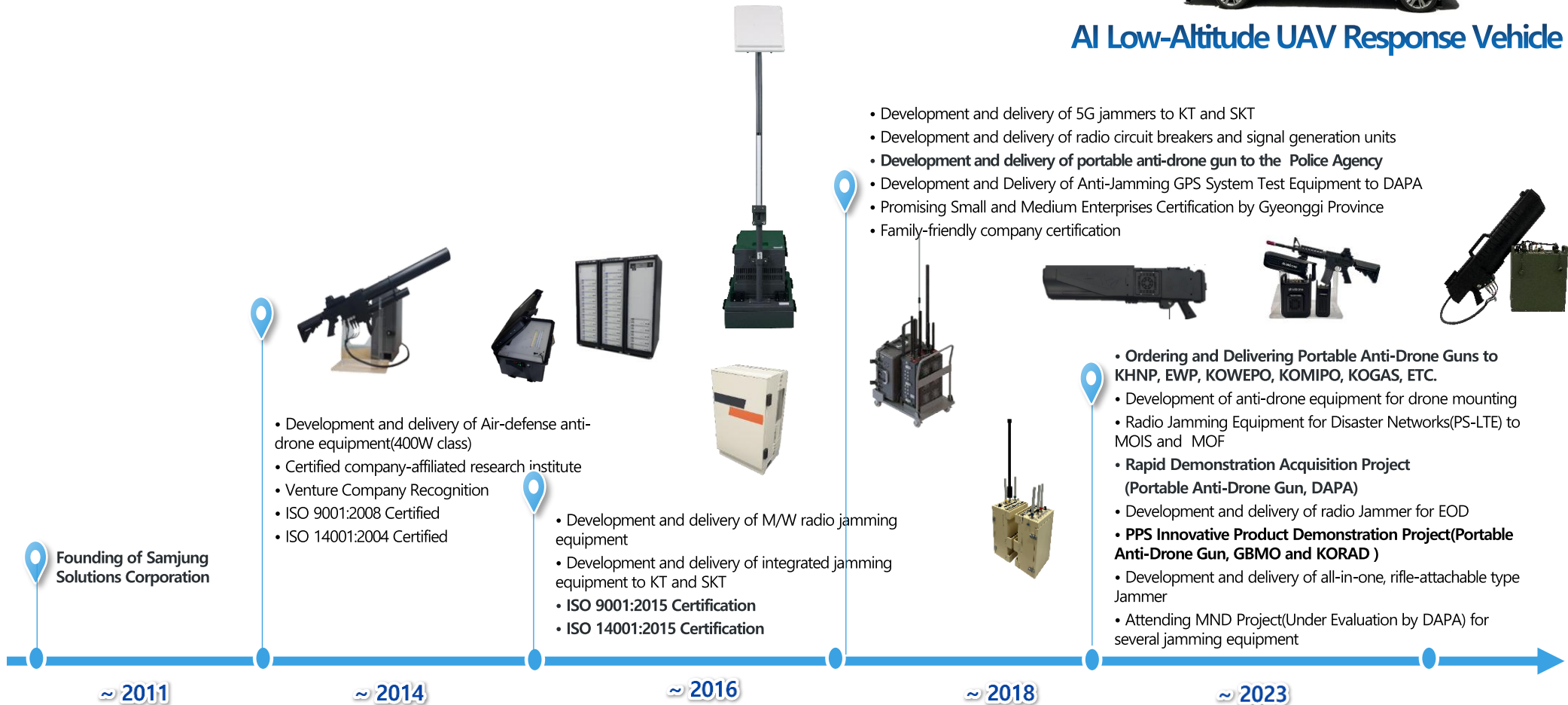
Classification	Specification
Vehicle	Compact Tactical Vehicle K351C / Defense Specification
Seating capacity	6-Person Capacity After Modifying Shelter Van Assembly
Drive System	4WD
Engine Power	225ps / 3,200 rpm
Engine Torque	51kg.m / 1,750 rpm
Maximum speed	130km/h



Company history – Samjung Solution



AI Low-Altitude UAV Response Vehicle



Counter UAS-related performance

Holding the unique Innovative Product Certification and Patents for the first time,
We achieved the highest Delivery Records of Jamming Equipment in Korea.
And our Products were recognized by the Military and Public Authorities.



Microwave OCNS
KT(2017)



Radio Jammer
KNPA(2020)



Portable Type(Carriable)
DAPA(2020)



Portable Type(Carriable)
KHNP(2021)



Portable Type(Carriable)
KOMIPO(2022)

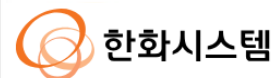


Frequency jammer
Air Force(2022)



Vehicle-mounted Counter UAS Development
Korea National Police Agency(2022)

Major client company



Company history – Samjung Solution

KIP(Korea Excellent Product)
By PPS



KIP(Korea Innovative Product)
By Ministry of SME & Ss.



[안티드론 시스템(재머) 납품 실적]

No.	납품연월	계약명	금액(VAT포함)	수
1	21년 8월	드론방어설비 제품	180,000,000	주00발
2	21년 11월	드론 테러 대응을 위한 무력화장비	135,000,000	주00발전
3	21년 11월	테러 대응을 위한 재머 구매	95,000,000	주00발전
4	21년 11월	드론위협 대응 관련 드론대응장비 구매	2,948,000,000	0000원자력주
5	21년 12월	2021년 혁신제품 시범구매(후대용 안티드론건)	459,800,000	조0청
6	22년 1월	드론 방어설비 구매	169,840,000	한국00발전주
7	22년 1월	00 드론 테러 대응을 위한 재머 구매요청	85,360,000	한국00발전주
8	22년 4월	드론테러 대응을 위한 무력화장비(재머) 구매	127,260,000	한국00발전주
9	22년 2월	00기지 후대용 안티드론 구매	167,199,950	한국00공사
10	22년 10월	00 드론 테러 대응을 위한 재머 추가구매	213,400,000	한국00발전주
11	23년 1월	22-공-주파수 교란기 제조	323,161,000	국군00관리단
12	22년 11월	후대용 안티드론건 구매	256,080,000	한국00발전주
13	23년 11월	드론무력화장비(후대용 안티드론건) 구매	68,000,000	한국00발전주
14	23년 11월	00군 육성지원(안티드론 제밍건) 구매	14,500,000	제5000부대
15	23년 11월	00부대 드론 제밍건 제조 납품	40,416,900	육군 00보병사단
16	23년 11월	00육성지원사업 (안티드론 외 1종) 출품 구매	19,000,000	제00보병사단
17	23년 12월	00본부 후대용 무력화장비(안티드론) 구매	48,112,900	한국00발전주
18	24년 1월	00보안부 후대용안티드론건 구매	69,498,000	한국자력주
19	24년 6월	00지역통합체계 국내구매사업_JAMMER	2,196,462,400	00시스템주
20	24년 5월	후대용 안티드론건 구매	36,091,000	한국00발전주
21	24년 6월	00지역통합체계 국내구매사업_JAMMER	99,739,200	00시스템주
22	24년 7월	00 후대용 안티드론 건 구매	14,500,000	한국000연구원
23	24년 8월	총기탈부착형 안티드론 구매(발진대 포함)	32,900,000	국군제1000부대
24	24년 8월	00공사 00대 안티드론 제밍건 구매	14,500,000	부산00공사
25	24년 9월	00후대용 안티드론 00 건	861,300	한국000자력주
26	24년 9월	후대용안티드론건 00 건	1,904,100	행정부
27	24년 10월	00본부_00 후대용안티드론 00 건	707,300	한글000본부
28	24년 11월	본점(데이터센터 포함) 안티드론 건 용 구매	113,740,000	0000은행
29	24년 11월	00본부_후대용안티드론 00 건	1,376,100	한국000자력주
30	24년 12월	00 전파교란기 이전/설치/00시험 작업	18,700,000	000레(주)
	24년 12월	00 드론 구축사업	119,338,425	합금0000원
	24년 12월	(육성)00부대 드론 제밍 건	36,353,000	육군 00보병사단
	24년 12월	00지역통합체계 국내구매사업_JAMMER	334,180,000	00시스템(주)
	24년 12월	00 통합체계 0000 계약	909,080,000	00시스템(주)
		합계	9,350,061,575	



우수 기업부설연구소 지정서

지정 번호: 제2023-0041호
 지정 일자: 2023. 12. 26
 기관 명: (주)삼정솔루션
 대표자 명: 최 춘 화
 연구소 명: 기업부설연구소
 연구 분야: 제조업(전자제품·전기기기)
 주소: 경기도 수원시 권선구 산업로 198, 430호, 431호 (교색동)

위 연구소는 연구개발 역량이 우수하고, 기술을 활용한 가치창출 잠재력이 높아 우수 기업부설연구소로 지정합니다.



과학기술정보통신부장관



Certificate of Recognition

Certificate No.: 2023-0041
Date of Issue : 2023.12.26.
Company: SAMJUNG Solution Co., Ltd.
Name of CEO: Choi Chun Hwa
Name of R&D Center: Corporate Research Institute
R&D Field: Manufacturing (Electrical·Electronic)
Address: 198, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea

This is to certify that the above-mentioned corporate R&D center possesses advanced R&D capabilities and substantial value-creating potential.



Ministry of Science & ICT

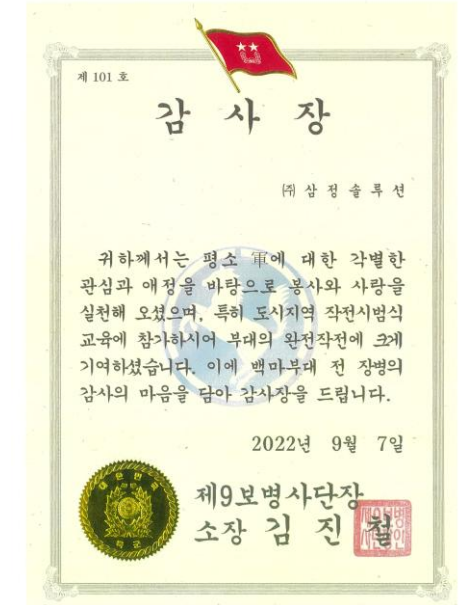
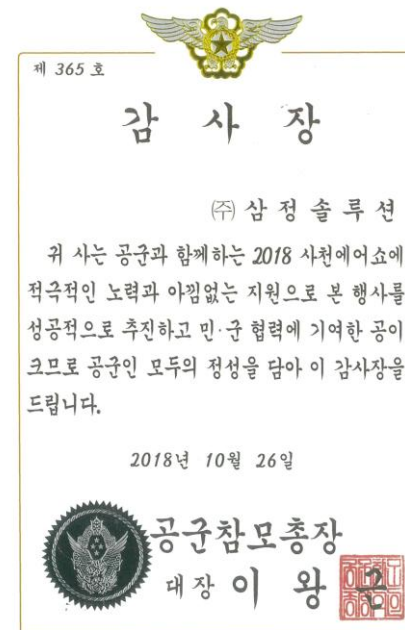
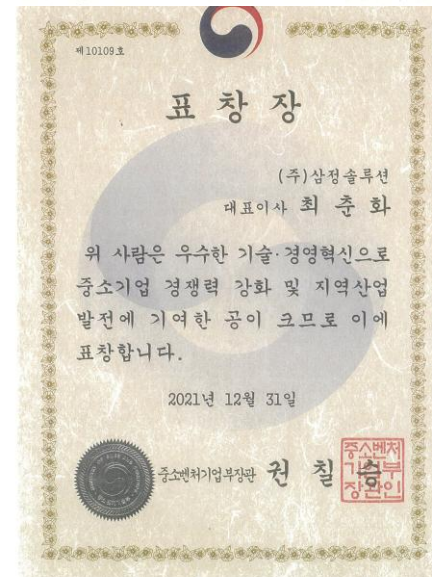
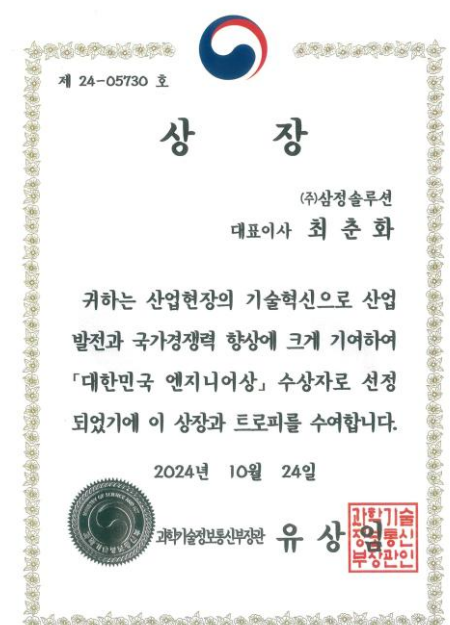
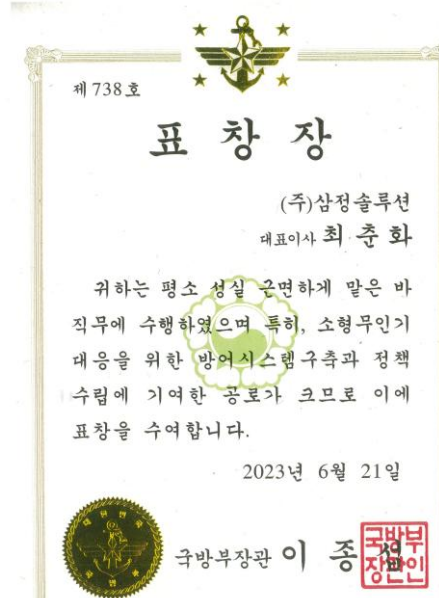
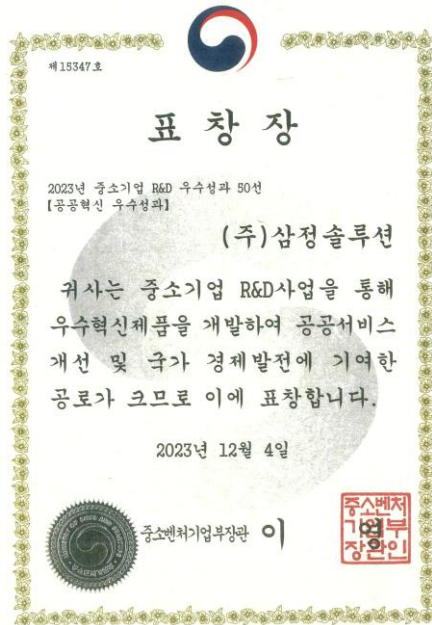






KIP(Korea Innovative Product)





Venture For Tomorrow, SJ SOLUTION

Thank you.

Venture For Tomorrow, SJ SOLUTION

Q & A



Counter Drone Solution Tailor-Made System Solutions

- **Web** : www.sjsolution.com/en/
- **Contact** : (Director)
(Office)+82.31.342.1120 / (Mobile)+82.10.4650.5856 / (E-mail)6437sjs@sjsolution.com
(CEO)
(Office)+82.31.342.1120 / (Mobile)+82.10.7225.8616 / (E-mail) cch@sjsolution.com
- **Address** : 506, Saneop-ro 198, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea
(Gosaek-dong, Suwon Delta 1)