



Proudly Supporting Make in India campaign

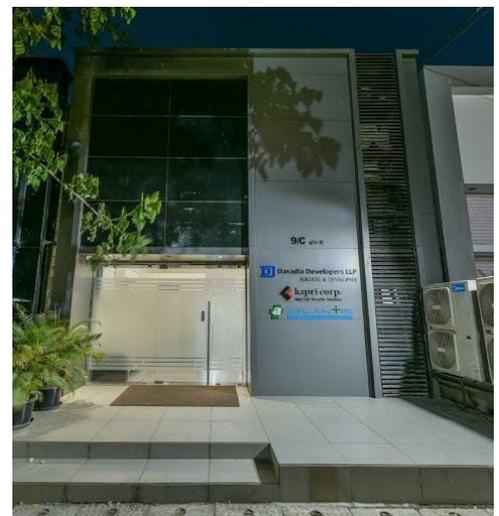


Kapri Corp was formed in 2005 to meet the growing needs of Government, its security agencies and the private sector in the field of High End Security Solutions as an answer to the scourge of terrorism and high incidence of criminal activity today.

The business covers technology transfers and inhouse indigenisation of manufacturing & assembly of subcomponents, calibration & services of various high - end security solutions involving domestic and international project executions. Today our group turnover is more than USD 12 - 15 Million. We provide customized solutions to our valued clients that is based on a thorough analysis of the situation each clients face as well as their budgets.

Situated in Mumbai, & Delhi, Lucknow, Patna, etc, Kapri Corp has its unique advantage of dealing with the best corporate and government authorities. With our consistent efforts and our experience reinforced with honesty, hard work, innovation and excellence, we have established a good reputation in cooperation & technological tie ups with companies in the Turkey, Russia, Germany, Sweden, Taiwan, America, & UK in support of "Make in India" and "Atma Nirbhar India" initiatives.

With our highly trained team of support staff, we respond to calls for service and maintenance within the shortest possible time. The R&D, production, and service & maintenance team consists of the Managing Director, the Technical Head, Business Development Head and a number of experienced engineers & technicians. Being an ardent supporter of Hon' Prime Minister's Initiative of "Make in India" & Atamnirbhar Bharat" our company have taken huge strides in designing, manufacturing & localizing our offered solutions. Our ever increasing dealer network has enabled us to provide services throughout India. Quality and customer satisfaction has been the primary motto of our enterprise and we have always excelled, bringing quality integrated solutions (for example EOD & IEDD Solutions (Anti Sabotage equipments), Screening & Metal Detection solutions, Surveillance & Anti Surveillance solutions, Drones & Anti Drones Systems etc.), and services to our customers over the world.



Drones: a growing concern

Because drones can guarantee the **anonymity and impunity of their pilots**, they have become the perfect tool for malevolent actors. **Small, nimble, inconspicuous, affordable, easy-to-use** and able to transport diverse payloads with increasing levels of autonomy, drones today bypass all traditional security measures and put all critical sites at risk. Risk of attack or collision, vector of espionage or contraband: malevolent drone intrusion scenarios are numerous.



Kapri Corp

It is the real **anti drone « Swiss army knife »**. Similar to the fantastic creature, KAPRI CORP is the long-dreamt **fusion of detection, location and neutralization technologies into a unified portable format** for demanding security operators. This highly configurable platform provides flexibility to larger C2 it can connect with.



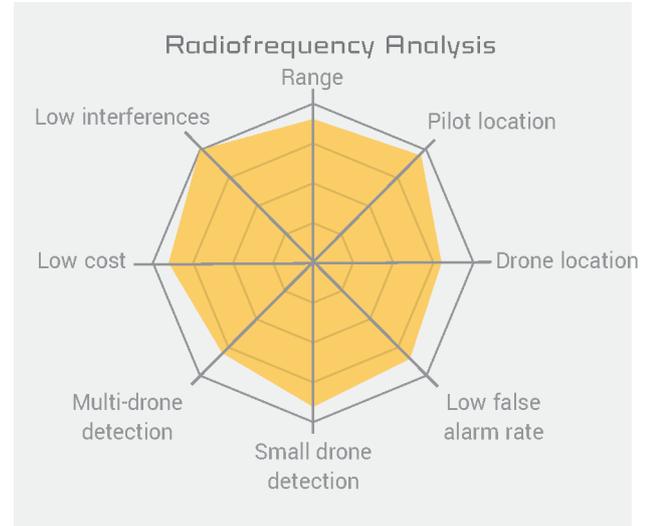
1st GENERATION

Key takeaways

- Detection of drone and pilot
- Location of drone/pilot via direction finding $\pm 15^\circ$
- Neutralization via BVLOS directional jamming
- Average range > 1 km
- High portability
- Stealth: passive and non interfering detection
- Possible integration into larger C2 via tablet
- Evolutive and interoperable platform

Why not a mere dronegun?

Droneguns have real ranges limited to the visual and acoustic senses of their operators as they need to be aimed at the drone since they are highly directional to protect the operators from emissions. Consequently, their real ranges do not exceed 100m, which is way too short to counter popular attack scenarios in which malevolent actors fly they drones high so as to not be detected. By combining detection, location and neutralization, **KAPRI CORP** increases the operator reaction time and allows him to engage a rogue drone Beyond his Visual Line Of Sight (BVLOS) or even arrest the pilot.

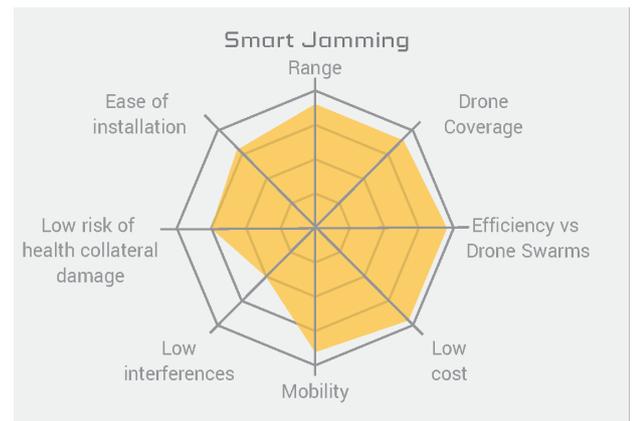


Radiofrequency analysis is the most balanced detection technology in order to:

- Give early warnings thanks to long ranges.
- Detect and locate drones and their pilots.
- Limit false alarm risks.
- Stay stealthy and non-interfering since passive.

Smart jamming also is the most balanced drone countermeasure thanks to:

- Long range.
- High drone coverage.
- Instantaneous effect.
- Efficiency against drone swarms.



KAPRI CORP solutions composition

Hardware

- Manpack for omni and passive detection.
- Rugged tablet for alert, tracking and connectivity.
- Effector for direction finding and neutralization.

Software

- Perpetual software license:
 - Dashboard: alerts in real time.
 - Direction finding on drone and pilot.
 - Control of manpack and effector.
 - Alert history.

Service

- Training.
- Hardware warranty and software maintenance.



Configuration

Spec Sheet

SOLUTIONS CHARACTERISTICS

CHIMERA¹⁰⁰

MANPACK

OMNI DETECTION RANGE	1 km	
ACTION ON RF SPECTRUM	Omnidirectional and passive detection on 2.4/5.8 GHz	
INSTALLATION	On tactical vest	
DIMENSIONS	28 x 31 x 8.5 cm	
WEIGHT	8 kg	
NORMS	IP65, MIL STD 810G and MIL STD 461G	
OPERATION TEMPERATURE	-20°C to +49°C (-4°F to 120°F)	
POWER SOURCE	Standard militarized battery with hotswap compatibility (4h detection / 1h jamming)	
AUDIO	Jack port for audio alerts	

RUGGED SMARTPHONE

MODEL	PROTECTED S10	
CONTROL	Tactile	
OPERATING SYSTEM	Android 7	
DIMENSIONS	L187 x l95 x h20 mm	
WEIGHT	400 g	
NORMS	IP-68	
OPERATION TEMPERATURE	0°C to +35°C (32°F to 95°F)	

Configuration

Spec Sheet

SOLUTIONS CHARACTERISTICS

CHIMERA¹⁰⁰

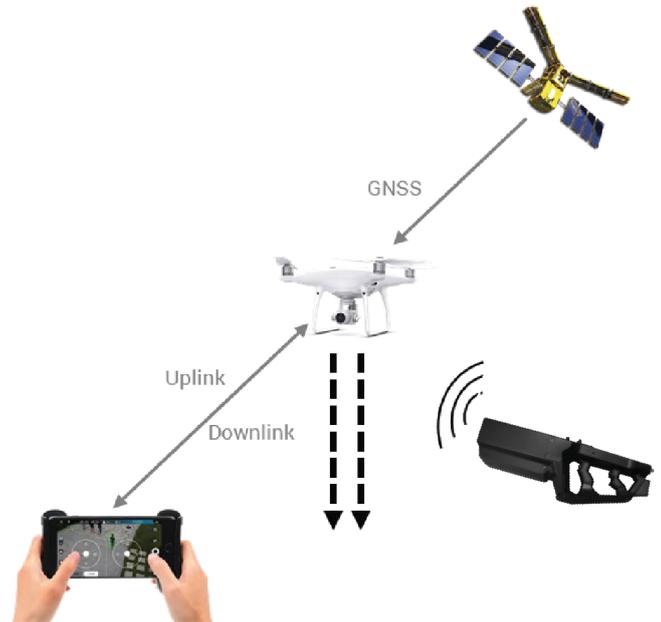
EFFECTOR

DIRECTION FINDING RANGE	2 km
ACTION ON RF SPECTRUM	Passive direction finding on 2.4 / 5.8 GHz Jamming on 2.4 / 5.8 GHz / L
ACTIVATION	Manual
DEGRADED MODE	Integrated control panel with key functions
WEIGHT	5 kg
NORMS	MIL STD 810G and MIL STD 461G
OPERATION TEMPERATURE	-20°C to +49°C (-4°F to 120°F)



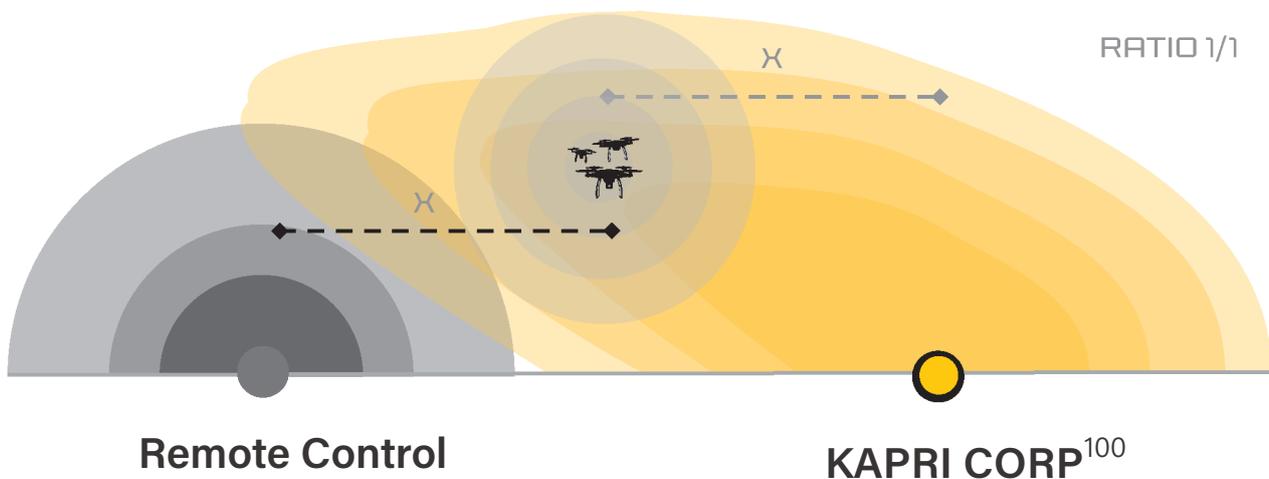
How jamming affects drones

- Jamming interferes with the communications that drones rely on, namely the uplink, downlink and GNSS reception.
- Once one or several of these channels is jammed, the drone automatically triggers its emergency procedure that its pilot chose before take-off:
 - Safe landing.
 - Return to Home.
 - Hover until battery is depleted, then safe landing.
- If GNSS reception is also saturated, the drone will not be able to Return To Home and will therefore trigger its safe landing by default.



Range

Several factors can impact neutralization ranges such as the distance ratio [CHIMERA – Drone] / [Drone – Remote Control], the drone model, local RF pollution, topography, surrounding constructions or weather conditions.



Included accessories

Battery



- BT-70757BV
- Li-Ion
- Certified by US DoD
- 105 x 37 x 99 mm
- 0.54 kg
- Capacity: 24 V / 3.4 Ah



Battery Charger

- BTC-70791-MR
- Powered in 100 – 240 Vac, 200 VA, 50/60 Hz
- 84 x 56 x 51 mm
- 0.50 kg



MOLLE conversion plate

- Mounts the manpack on the tactical vest
- Quick release
- MOLLE attachment points



MOLLE clips and Sling

- Clips to attach the plate to the tactical vest
- Sling to transport the effector



Smartphone mounting

- Armor Mounted 5 Series
- Compatible with Juggernaut Sleeves



Transport cases

- Transport case for CHIMERA and its accessories

Customization options

Long endurance battery



- BB-2590/U
- Li-Ion
- Certified by US DoD
- 112 x 61 x 127 mm
- 1.40 kg
- Capacity: 24 V / 7.5 Ah



Multi-battery charger

- BTC-70819-1
- Powered in 22 V – 33 V DC, 13 A, 90 – 260 Vac, 47 to 440 Hz
- 349 x 261 x 194 mm
- 5.90 kg

Tactical Vest



- Material: Nylon 500D
- Water resistant
- Can hold 2 SAPI plate
- GrabDrag handle
- MOLLE attachment points



Earpiece & maintenance cable

- Earpiece to hear audio alarms
- Maintenance cable for remote update