

# KARETTA

ANTI-JAM GNSS SYSTEM

#ElectronicWarfare



**aselsan**

# KARETTA

## ANTI-JAM GNSS SYSTEM

### General Features

Jammers crowded the already brimming spectrum over the rim. Even without any GNSS jammers present, low power GNSS signal can be overpowered and GNSS receivers may be saturated to the point of malfunction.

KARETTA comprises a state-of-art digital beamforming technique which ensures GNSS system preserves the reception of signals from GNSS satellites while suppressing multiple interference signals from various directions. KARETTA is a cutting-edge anti-jam processing unit and RF receiver with a multi-element antenna in an exclusive way to provide protection against a wide selection of threats.

Any system using, GPS, GLONASS, GALILEO and BEIDOU simultaneously can benefit easily with KARETTA, just by plugging the output of KARETTA to the input of the GNSS receiver. KARETTA is an outcome of ASELSAN experience which is dedicated to provide low cost and small form factor systems for harsh environmental conditions for land, air, naval and UAV platforms, satisfying military standards.

### Platform-Specific Designs

KARETTA is a compact system that can be mounted on any systems or platforms including UAV, special mission aircraft or any land vehicles to make the GNSS receiver able to operate in presence of multiple jammers. A version with a smaller antenna array is also available for smaller platforms.

### Performance

**Operation Frequency** : GPS L1 & GPS L2

: GLONASS L1

: GALILEO E1 & E5

: BEIDOU B1 & B2

: L5\*

: L-Band Correction Service\*

or

: GPS L1 & GPS L2

: GLONASS L1 & L2

: GALILEO E1

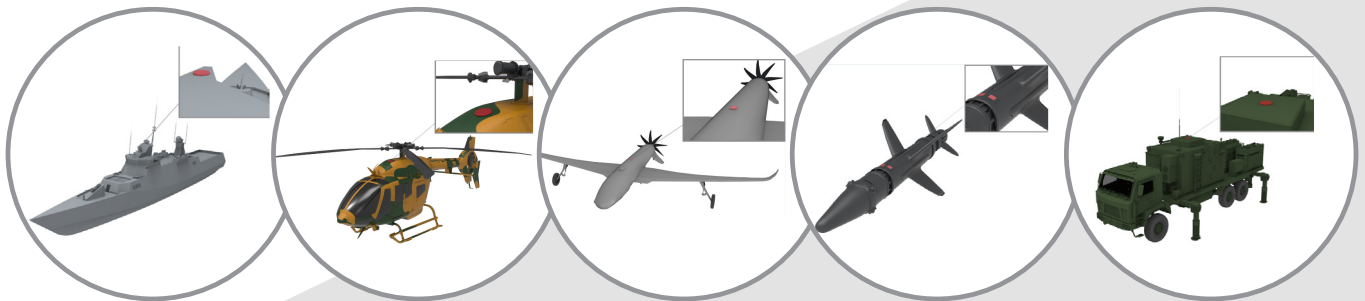
: BEIDOU B1

: L5\*

: L-Band Correction Service\*

(For L-Band Correction Services and L5 Band, Use without CRPA Protection will be Provided.)

- **# of Antenna Elements** : 8
- **Interference Suppression** : Beamforming & Notch Filters



Specifications are subject to change without any notice. | All tolerances are within  $\pm 10\%$ .