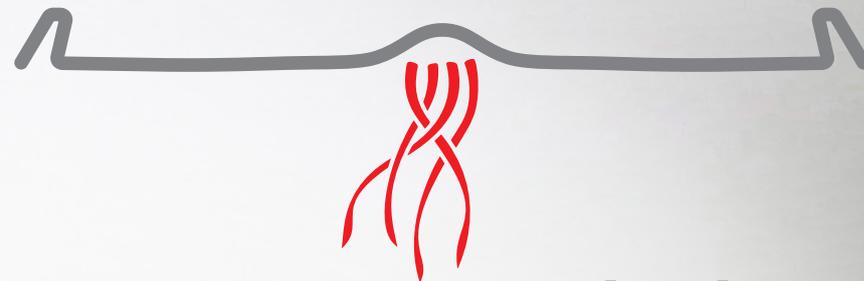




# BRAMOR sAR

Search And Rescue Unmanned Aircraft System

The revolutionary **NSX** payload has been designed to quickly and accurately locate mobile phones in the challenging airborne **Search & Rescue environment**. The NSX module is a unique integration of the advanced SAR system with **the proven Bramor UAV** platform. Offering users 3 hrs endurance and range coupled with the NSX payload's unique capability is bringing an unprecedented solution to Search and Rescue missions.



## If you're lost, **NSX** will help...

The revolutionary NSX payload has been designed to accurately locate mobile telephones in the challenging airborne SAR environment.



NSX SENSOR ANTENNA

MODULAR PAYLOAD BAY

BATTLEFIELD PROVEN

ELECTRIC/SILENT OPERATION

LONG ENDURANCE OPS

### ↳ SAR

Bramor SAR can be used to locate the phone of a person in distress. It can operate in local network coverage, or where there is poor or no coverage at all.

### ↳ Disaster relief

The system will locate any powered mobiles in a disaster area. Options include: sending text messages to everyone in the area or specific mobiles while receiving messages from those in need of assistance.

### ↳ Border security

Detection and location of mobile phones in offshore boats (people smuggling). Generating alerts from phones in restricted areas, border intrusions etc.

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C - A S T R A L  
AEROSPACE LTD.



# BRAMOR sAR

Search And Rescue Unmanned Aircraft System



up to 3h



SAR



150 km



40 km<sup>2</sup>



cat



para

## Smart geofence nobody will trip over Get. There. Faster.

WINGSPAN	230 cm
LENGTH	96 cm
WEIGHT (MTOW)	4.9 kg
PAYLOAD	0,6 kg
SENSOR	
NSX sAR	
EYE-X HD2 - EO/IR (optional)	
PROPULSION	
C-Astral Brushless Electric	
CRUISE SPEED	
16 m/s - 26 m/s	
TAKE-OFF / LANDING	
Elastic launcher / Parachute	
SERVICE CEILING	
Up to 5000m ASL	
DATALINK RANGE	
Up 15 km, Encrypted IP Link	
Up 40 km, Encrypted IP Link (optional)	
ENDURANCE	
Up to 3 h	
FLIGHT READY IN	
5 minutes	
OPERATOR REQUIREMENTS	
One operator	
TRANSPORTATION	
Milspec Case / Backpack	

The NSX payload is providing a unique set of capabilities, incorporating state of the art SAR system dedicated to accurately locate mobile phones in the challenging airborne SAR environment. The system is designed to identify and accurately geolocate mobile phones on the ground putting the SAR teams in a position to be able to save lives faster.

The NSX uses a Software Defined Radio and cellular protocol stacks designed and developed by a industry leader and optimized for airborne use. The NSX is seamlessly integrated on the Bramor UAS as a drop-in module and can be used on all new generation Bramor UAS systems. The system has the following unique features:

- ↘ 2km or more search range
- ↘ Low profile antennas
- ↘ Location without DF equipment.
- ↘ Send and receive text messages
- ↘ Software Defined Radio

