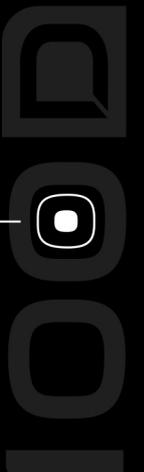




NAURU 100D

THE INVISIBLE ALLY

The Nauru 100D is an eVTOL UAS designed for ISTAR operations. Compact, portable, and deployable by two operators, it enables rapid tactical deployment with low takeoff requirements, operating from clearings or confined areas. It delivers a 2-hour flight endurance with a 30 km operational radius.





VERSATILE WITH HIGH PERFORMANCE



Endurance:

2 hours (standard)
6 hours (with 3 batteries)



Wingspan:

2.1 metros



Operational Range:

20 km – 30 km



Maximum Takeoff Weight (MTOW):

9 kg



Regulatory Compliance:

Flight above 400 ft AGL,
day and night operations



Cruise Speed:

17 m/s | 33 kt



Low Observability:

Reduced visual, acoustic,
thermal, and radar (RCS) signature



Weather Resistance:

Operates under heavy
rain (20 mm/h)

SIMPLIFIED FIELD MAINTENANCE

Fully integrated avionics architecture (AMS – Automatic Management System)

Modular airframe with low-cost, disposable components – replacement over repair

Lean systems, with few parts, screws, and error-proof connectors, allowing for easy and safe maintenance in the field

PORTABILITY & RAPID DEPLOYMENT

Lightweight system, transportable in two backpack-style cases by two operators

Optimized case design for fast assembly/disassembly

Plug & Play architecture – ready for deployment in under 3 minutes

Integrated Ground Control Infrastructure: GDT, RTK base, and dual GCS (ruggedized tablets) for simultaneous UCAV and sensor control

Integrated battery charging system:
Compatible with 110/220Vac or 12/24Vdc power sources

Field-replaceable components included for first-tier maintenance



TARGET ACQUISITION AND TRACKING

Tracking of fixed and moving targets on the ground (person, vehicle, and vessel).

Target acquisition. Determination of the target's geographic coordinates.

Pointing to coordinates defined by the operator.

ISTAR IN OPERATIONAL AND TACTICAL LEVEL

Human detection:	6 km
Recognition:	1.5 km
Identification:	0.8 km

Vehicle detection:	15 km
Recognition:	4 km
Identification:	2 km



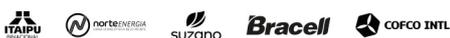
Tracking of ground movements, such as vessels, convoys, and groups of people.

Support for elite operations, including target acquisition (geolocation of targets), observation, and adjustment of shots.



	Visible Spectrum (RGB)	Thermal Camera (LWIR)
Focal Length:	4.7 ~ 47 mm	18mm
HFOV:	61,3° ~ 6,8°	24,0°
Resolution:	Full HD 1920 x 1080	640 x 512
Zoom:	10x Optical (30x Combined)	-
Spectral Range:	-	8µm - 12µm, NETD ≤50mK@25°C

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