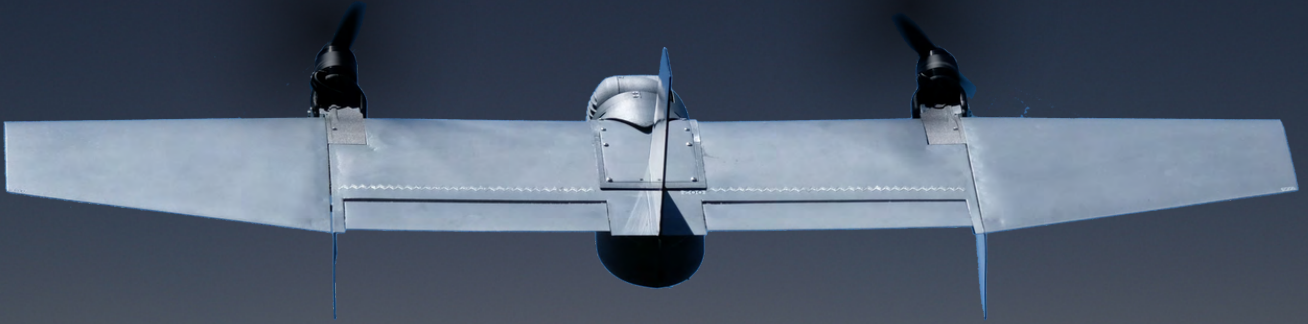


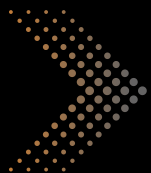
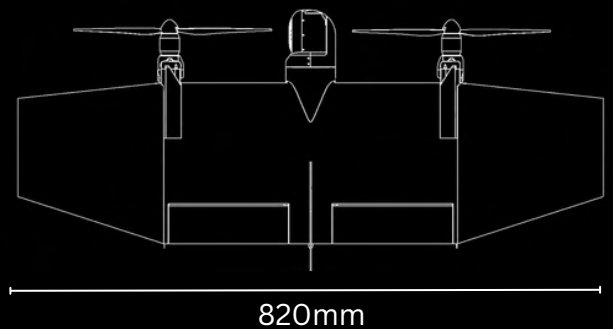
CORVOX

NEXT GENERATION AUTONOMOUS SYSTEM



CorvoX is a next generation military grade SUAS, featuring an innovative, thrust vectored VTOL configuration that delivers class leading endurance in extreme weather conditions.

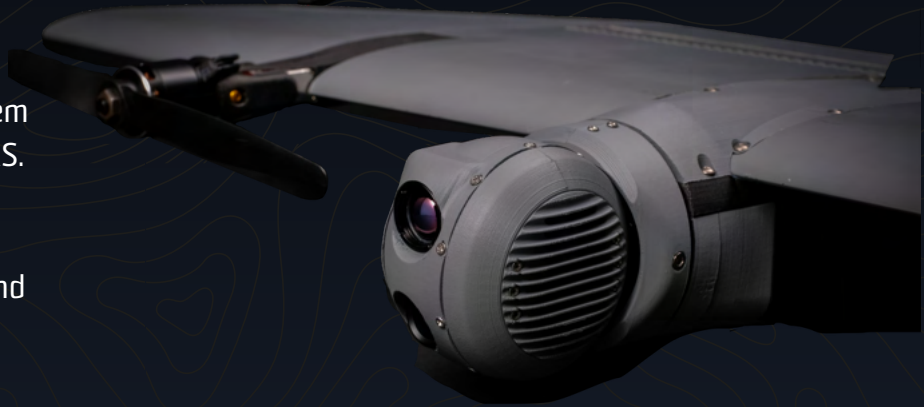
The lightweight, man packable system, coupled with advanced autonomy, payload and mesh network capabilities, reduces the physical and cognitive load on the operator, enhancing mission safety, flexibility and performance.





The Corvo Guarda 70-DN is a micro stabilised multi-sensor payload system optimised for use on the CorvoX SUAS.

Guarda delivers industry leading performance at an unmatched size and weight.



OBJECT
DETECTION



ON BOARD
PROCESSING



OBJECT
TRACKING



ADVANCED
STABILISATION



GEO
LOCK



STANAG
4609

4K EO and 640 x 480 30FPS LWIR
LOW SWAP-C (180g Mass)
NON-ITAR
ENVIRONMENTALLY SEALED

STABILISATION

Two axis mechanical stabilisation (roll over tilt)
Electronic stabilisation, including roll correction

EO SENSOR

Sony 4K CMOS sensor
12.3MP resolution
60deg FOV lens (when operating 4K)
6.3 x zoom from 60deg to 6.3deg while maintaining
640 x 480px resolution at 6.3deg HFOV

LWIR SENSOR

FLIR Boson 640 Long Wave Infra-Red (LWIR) Sensor
640 x 512px resolution
12µm pixel pitch
30Hz frame rate

NAVIGATION

Interface to external AHARS and GNSS data

TARGET DETECTION

Moving target detection and target tracking

KLK METADATA:

KLK metadata is generated in accordance with MISB standards 0102.10, 0601.7, 0603.2, 0604.3, and 0903.3

STANAG COMPLIANCE

STANAG-4609 compliant video and elementary stream data

