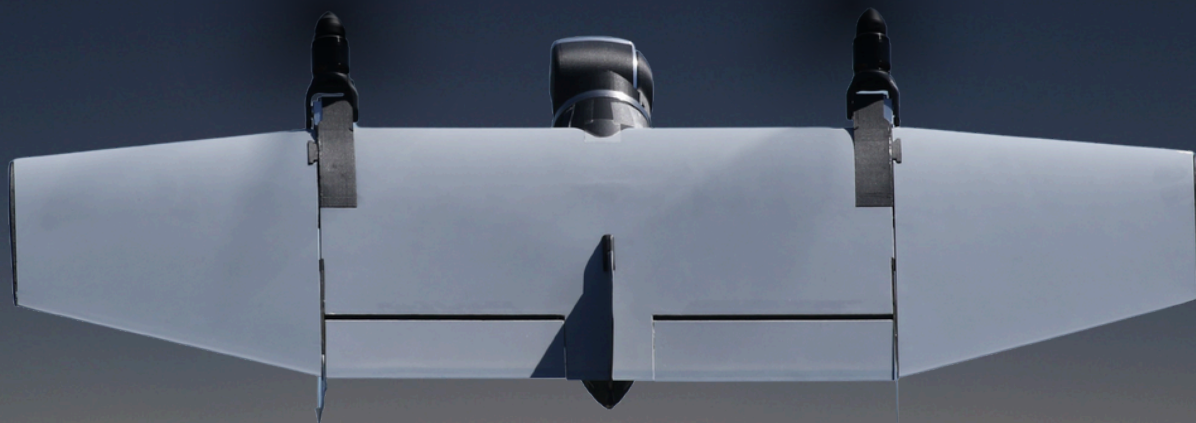


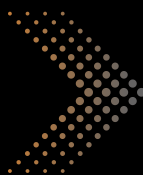
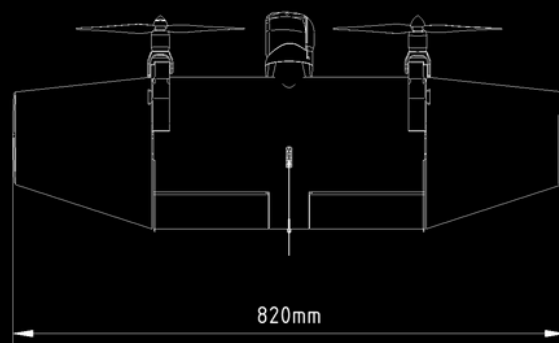
# CORVOX

## 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.



45 MIN  
ENDURANCE



5KM  
RANGE



IP MESH  
ENCRYPTED  
DATALINK



WEATHER  
RESISTANT



30KTS  
WIND LIMIT



> 50 KTS  
MAX SPEED



VERTICAL  
TAKEOFF &  
LANDING



HOVER TO  
100KM/HR  
SPEED RANGE



AUSTRALIAN  
OWNED &  
OPERATED



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 512 30FPS LWIR  
LOW SWAP-C  
NON-ITAR  
ENVIRONMENTALLY SEALED

### STABILISATION

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

### EO SENSOR

Sony Starvis VC - MIPI JMX412-C  
12.3MP resolution  
4K CMOS sensor  
1.55µm pixel pitch  
40fps rolling shutter  
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  
60Hz frame rate

### NAVIGATION

Interface to external AHRS and GNSS data

H.264 or H.265 imagery output

### TARGET DETECTION

Moving target detection and target tracking

### KLV METADATA:

MISB standard 107.5

### STANAG COMPLIANCE

STANAG-4609 compliant video and elementary stream data

