

# **Powerful and rugged multi-rotor unmanned aerial systems**

*Keelback delivers mission-critical unmanned aerial systems (UAS) with speed and precision. Our end-to-end manufacturing process ensures the highest standards of quality, security, and reliability. Designed for sovereign defence requirements, Keelback delivers unmatched capability in the field.*

## **MozzieX**

***Engineered to dominate the battlefield.***



The MozzieX combines combat ready capability with reliable lethality. Built for extended reach across both open and urban terrain with exchangeable payload options. It delivers resilient, consistent performance in harsh and highly contested environments.

Sovereign manufactured to ensure secure, compliant supply and rapid scalability. MozzieX is a production ready platform engineered to support fast fielding and high volume deployment to meet the mission standards demanded of modern frontline forces.

***“ASCA is enhancing the resilience of our sovereign industrial base. The Sovereign UAS Challenge has enabled and ensures Keelback (part of Grabba Technologies) has the production capacity to supply drones at scale, as, if and when required.”***

***Head Advanced Strategic Capabilities Accelerator, Major General Hugh Meggitt***

## MozzieX

### Specifications

### Description

Size	35" x 34" x 6" with arms and propellers fitted
Propellor Size	16" x 6" Folding Nylon Fibre Reinforced Propellers
Maximum Take Off Weight	6,200g (13.66 lbs)
Take Off Weight	3,200g (7.05 lbs)
Payload Capacity Weight	2-3 kg (4.4 – 6.61 lbs)
Battery Capacity	Removable 6-Cell 25.2v Nominal Li-ion Pack – 25000mAh 360Wh
Flight Speed	20MPH Cruise, 43 MPH Maximum
Maximum Flight Endurance	40 minutes
Maximum Hovering Time	30 minutes
Estimated Maximum Flight Distance/Range	10km (6.2 miles)
Operating Temperature	-5C to +45C
Global Navigation Satellite System	GPS L1C/A, GLONASS L1OF
Production Certifications/Ratings	IP 54, FCC, RoHS, Australian Sovereign Made, NDAA Compliant
Image Sensor	Sony IMX477 12.3MP, 1/2.3" optical size
Lens	75o DFOV controllable mechanical lens
Photo Format	4608x2592 (12MP), 1920x1080 (1080p), 1280x720 (720p)
Video Format	1920x1080@30fps, 1280x720@60fps
Maximum OTA Video Transmission Bitrate	4,000 kbps
Transmission Frequency	2402MHz – 2478MHz
Transmission Encryption	AES2563402MHz – 2478MHz
Security	Password Protection by user, fully signed firmware, bootloader and encrypted eMMC storage

*True sovereign capability*

**Australian owned,  
engineered,  
sourced, and built.**

*Keelback products adhere to globally recognised certifications and standards. Our facilities draw on 70 years of expertise in complex manufacturing to deliver proven sovereign capability for mission-critical operations.*



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**Keelback**  
[sales@keelback.com](mailto:sales@keelback.com)  
[www.keelback.com](http://www.keelback.com)

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