

RELIANT

Long-Range VTOL UAS



# Reliant

## Long-Range VTOL UAS

Group 2 ISR/RSTA platform for extended operations



Reliant is a cutting-edge fixed wing VTOL UAS platform for critical beyond-line-of-sight ISR/RSTA missions in GNSS-denied environments, excelling in ISR with advanced automation and data capture. It enables better decision-making and operations for military and defense aerial intelligence applications on land and sea.

At Quantum Systems, we innovate drone technology by integrating hardware, software, and AI to redefine aerial intelligence. Our Reliant UAS delivers exceptional solutions for Multi-Domain Operations (MDO) and Software Defined Defense (SDD).

TECHNICAL SPECIFICATIONS

Wingspan	4.3 m / 14.1 ft
Length	2.38 m / 7.8 ft
IP Rating	IP55
Data Link Range	160 km
Data Link Freq.	2.2 - 2.5 GHz ; 4.4 - 4.9 GHz
Data Encryption	AES 256
AI Processing	3 x NVIDIA Jetson Orin
Packed Size	2 hardcases, fit into G-Wagon/Hilux type vehicle

FLIGHT PERFORMANCE

MTOW	33 kg
Flight Endurance	10+ hours
Speed Range	~ 25 m/s
Wind Tolerance	15 m/s
Max. Take-Off Altitude (MSL)	3000 m
Max. Operating Altitude (MSL)	4500 m
Operating Mode	eVTOL



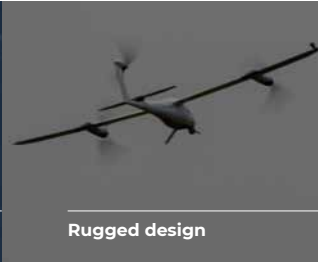
Vertical take-off and landing



Minimal operational footprint



Edge AI capabilities



Rugged design



Payload versatility