

Dragonfish Series

Command The Future

• Dragonfish Lite

• Dragonfish Standard

• Dragonfish Pro



158 Mins Max
Flight Time



4K 50x Highest
Optical Zoom



3 Mins Quick
Assembly



67 Mph
Top Speed



18.6 Miles
Transmission Range



5 Sec System Boot
and Self Check

The Dragonfish series is unique tilt rotor designed VTOL, which simplifies operation and maximizes performance and efficiency. With no complicated moving parts, the dragonfish is modular, waterproof, smart and reliable. The Dragonfish is mission ready right out of the box and includes powerful AI tracking capabilities and a multitude of modular payload options. An endurance of 158mins (including payload) further augments the Dragonfish's robust mission capabilities and pushes it significantly ahead against other VTOL competition.

INTELLIGENCE AND AUTONOMY

The Dragonfish comes with a variety of automated functions to streamline and simplify mission tasks. Advanced algorithms add an additional layer of consistency and simplicity for the user workflow.

ADS - B RECEIVER

Dragonfish is also able to notify the operators about incoming manned aircrafts' position, altitude and speed through an integrated Ads-b Receiver, dramatically improving flight safety.

MILLIMETER - WAVE RADAR

A Millimeter-wave Radar is built in the nose of dragonfish, which can detect obstacles up to 200meters away, and the aircraft automatically adjust its height and speed according to the collected flight data, giving dragonfish excellent obstacle avoidance performance.

RTK ACCURACY

Map with confidence with the Dragonfish's two RTK (Real-Time Kinetic) modules, which enable the aircraft to provide centimeter accurate location data when paired with a GNSS base station. The dual units back up each other's data for additional peace of mind, while also improving image metadata quality and increasing flight precision and safety.

• TECHNICAL SPECIFICATIONS

	Dragonfish Lite	Dragonfish Standard	Dragonfish Pro
Size	965*1600*350 mm 38*63*13.8 inches	1290*2300*460 mm 50.8*90.6*18.1 inches	1650*3040*460 mm 65*120*18.1 inches
Endurance (with payload)	81 min	126 min	158 min
Aircraft weight (W/o payload)	9.92 lbs (4.5 kg)	16.53 lbs (7.5 kg)	31.97 lbs (14.5 kg)
Maximum Payload	2.2 lbs (1.0 kg)	3.31 lbs (1.5 kg)	5.51 lbs (2.5 kg)
IP Rating	IP43	IP43	IP43
Transmission Range	18.6 miles (30 km)	18.6 miles (30 km)	18.6 miles (30 km)
Maximum Height	13123 ft (4000 m)	19685 ft (6000 m)	19685 ft (6000 m)
Working Temperature	-4 °F~122 °F (-20 °C~50 °C)	-4 °F~122 °F (-20 °C~50 °C)	-4 °F~122 °F (-20 °C~50 °C)
Position Accuracy	1 cm+1 ppm (Multirotor) 3 cm+1 ppm (Fixed Wing)	1 cm+1 ppm (Multirotor) 3 cm+1 ppm (Fixed Wing)	1 cm+1 ppm (Multirotor) 3 cm+1 ppm (Fixed Wing)
GNSS	GPS+GLONASS+Beidou+Galileo	GPS+GLONASS+Beidou+Galileo	GPS+GLONASS+Beidou+Galileo
Supported Palyloads	DG-Z2, T3, T3H	DG-Z2, T3, T3H, L20T	DG-Z2, T3, T3H, L20T, L50T
Applications	Public Safety, Fire Fighting and Prevention, Powerline Inspection, Traffic Monitoring and Management, Coastal Surveillance and Security, Agriculture Monitoring.		

• INTERCHANGEABLE PAYLOAD SYSTEM



DG-Z2

4K 20x optical zoom
12m pixel wide angel camera
3 axis gimbal stabilization



DG-T3

4K 20x optical zoom
12m pixel wide angel camera
640x512 infrared camera
3 axis gimbal stabilization



DG-T3H

12m pixel wide angel camera
1280x1024 infrared camera
Laser range sensor
3 axis gimbal stabilization



DG-L20T

4K 20x optical zoom
12m pixel wide angel camera
640x512 infrared camera
Laser range sensor
3 axis gimbal stabilization



DG-L50T

4K 50x optical zoom
12m pixel wide angel camera
1280x1024 infrared camera
Laser range sensor
3 axis gimbal stabilization