

# Dragonfish Series

Command The Future



18.6 Miles  
Transmission Range



158 Mins Max  
Flight Time



67 Mph  
Top Speed



4K 50x Highest  
Optical Zoom



5 Sec System Boot  
and Self Check



3 Mins Quick  
Assembly

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.

## 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.

## 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.

## 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
<b>Size</b>	965*1600*350 mm 38*63*13.8 inches	965*1600*350 mm 38*63*13.8 inches	1650*3040*460 mm 65*120*18.1 inches
<b>Endurance (with payload)</b>	81 min	126 min	158 min
<b>Aircraft weight (W/o payload)</b>	9.92 lbs (4.5 kg)	16.53 lbs (7.5 kg)	31.97 lbs (14.5 kg)
<b>Maximum Payload</b>	2.2 lbs (1.0 kg)	3.31 lbs (1.5 kg)	5.51 lbs (2.5 kg)
<b>IP Rating</b>	IP43	IP43	IP43
<b>Transmission Range</b>	18.6 miles (30 km)	18.6 miles (30 km)	18.6 miles (30 km)
<b>Maximum Height</b>	13123 ft (4000 m)	19685 ft (6000 m)	19685 ft (6000 m)
<b>Working Temperature</b>	-4 °F~122 °F (-20 °C~50 °C)	-4 °F~122 °F (-20 °C~50 °C)	-4 °F~122 °F (-20 °C~50 °C)
<b>Position Accuracy</b>	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)
<b>GNSS</b>	GPS+GLONASS+Beidou+Galileo	GPS+GLONASS+Beidou+Galileo	GPS+GLONASS+Beidou+Galileo
<b>Supported Palyoads</b>	DG-Z2, T3, T3H	DG-Z2, T3, T3H, L20T	DG-Z2, T3, T3H, L20T
<b>Applications</b>	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