



Dragonfish Series

Next-Gen Multi Mission eVTOL

The Dragonfish Series UAV is a vertical takeoff and landing (eVTOL), tiltrotor aircraft used to provide multi-sensor intelligence, surveillance, and reconnaissance (ISR) Services. The Dragonfish is ultraportable, runway independent, and assembles within 5 minutes from case to takeoff. The Dragonfish does not require any additional launch equipment or recovery equipment and can take off and land automatically or manually. Delivering up to 179 minutes of flight time, and a range of up to 45km, or extended indefinitely with repeaters the system offers class leading performance in endurance and capability. The Dragonfish features a quick release for rapid payload changes, with multiple class leading EO/MWIR sensors to choose from. Industry leading flight control and tracking algorithms makes the dragonfish system operable by a single operator with minimal training necessary.



Superior
Anti-Interference



Vertical Takeoff
and Landing



Rapid
Deployment



Easy
Transportation



Silent
Flight



Intelligent
and User-Friendly



5-Second
Self-Check



Max Flight Speed:
108 km/h



Longest Flight Time:
179 minutes



Max Transmission
Distance: 45 km



Superior Anti-Interference

In complex environments, the UAV maintains exceptional communication and video transmission performance, featuring strong anti-interference capabilities and stable, reliable transmission.

Smart Operations

Autel Robotics' advanced flight control technology and AI intelligence offers unparalleled ease of use and precision, enables features such as intelligent tracking, tap-to-fly, AI target recognition and positioning, quick mission, offsite landing, mobile platform takeoff and landing.

Quick Assembly

The Dragonfish Series features toolless assembly with a 5-second rapid self-check and the ability to take off within 5 minutes.

Silent Flight Operations

The Dragonfish achieves ultra-silent flight through its exceptional propulsion system and innovative noise-reduction design. Barely audible above 400 ft (120m) AGL, the Dragonfish significantly reducing the risk of detection while ensuring operational secrecy.

Workflow



Dragonfish Series Technical specifications

	Dragonfish Standard	Dragonfish Pro
Size	1290×2302×483 mm (excl.propellers)	1655×2980×520 mm (excl.propellers)
Weight	7.7 kg (incl. batteries, propellers, excl. gimbal)	17.23 kg (incl. batteries, propellers, excl. gimbal)
Max. Takeoff Weight	9.0 kg	19 kg
Max. Extra Payload Weight	1.3 kg	1.77 kg
Max. Flight Time	106 min (@DG-L20T)	179 min (@DG-L20T)
Max. Horizontal Flight Speed	30 m/s	30 m/s
Max. Wind Resistance	12 m/s	12 m/s
Service Ceiling Above Sea Level	6000 m	5000 m
Operating Temperature	-20°C ~ 50°C	-20°C ~ 50°C
GNSS	GPS / Galileo / BDS / GLONASS	GPS / Galileo / BDS / GLONASS
Supported Gimbal	DG-L20T, DG-T5, DG-T5L	DG-L20T, DG-T5, DG-T5L

Payload System Technical specifications

DG-L20T



- 4K 20X Optical Zoom
- 48MP Wide-Angle Camera
- 640x512 Infrared Camera
- Laser Rangefinder

DG-T5



- 4K 35X Optical Zoom
- 4000×3000 Wide-Angle Camera
- Wide-Angle Thermal Camera
- Tele Infrared Thermal Camera
- Laser Rangefinder

DG-T5L



- 4K 35X Optical Zoom
- 4000×3000 Wide-Angle Camera
- 640x512 Thermal Camera
- Laser Rangefinder
- Laser Fill Light lens