

Dragonfish-25

Next-Gen Multi Mission eVTOL

The next-gen Dragonfish-25 features a unique tilt-rotor design that combines the dual advantages of multi-rotor vertical takeoff and landing (VTOL) and fixed-wing long-endurance flight. The Dragonfish-25 features rapid toolless deployment, is runway-independent, and operates in high-interference and GPS-denied environments. Advanced automation systems include: automatic takeoff/landing, intelligent tracking, tap-to-fly, object recognition, and quick mission execution without manual intervention. The Dragonfish-25 can also be scheduled for routine autonomous flights, inspections, and patrols. To adapt to diverse missions, the Dragonfish-25 supports a range of quick-swap ISR gimbals, making it the versatile choice for public safety, energy infrastructure inspection, emergency response, and beyond.



Superior
Anti-Interference



Vertical Takeoff
and Landing



Rapid
Deployment



4K 35x
Optical Zoom



Max. Extra Payload
Weight: 10 kg



Max. Flight Time
with Payload: 210 min



Max. Flight
Mileage: 220 km



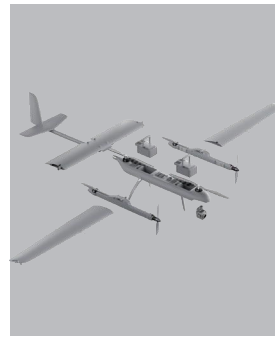
Max. Flight
Speed: 126 km/h





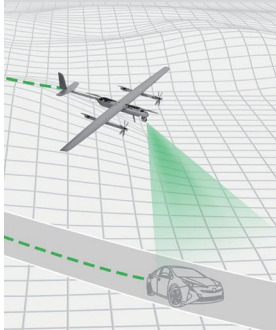
Superior Anti-Interference and GPS-denied Operation

The Dragonfish-25 utilizes adaptive frequency hopping technology across multiple bands to achieve resistance to radio frequency interference. It possesses high-precision visual navigation capabilities, ensuring stable flight in complex environments with strong signal interference. SLAM visual navigation enables stable flight in urban, suburban, and other environments where satellite signals are blocked or weak.



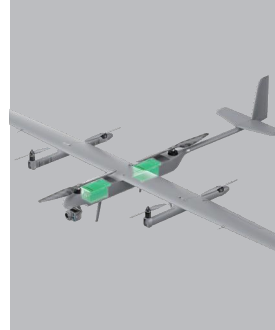
Toolless Rapid Deployment and Runway-Independent Takeoff

Engineered for rapid response, the Dragonfish-25 features a quick-release design and is easily transported by a two-person crew. It achieves mission-ready takeoff in under 10 minutes, requiring absolutely no runway or prepared site.



Efficient and Reliable through Intelligent Operation

Autel Robotics combines advanced flight control with AI-powered technologies, delivering efficient and reliable operations. Key features include one-key takeoff and landing, intelligent tracking, tap-to-fly, terrain following, waypoint missions, and the ability to quickly manage multiple flight routes mid-mission. These intelligent functions reduce cognitive load on operators in complex operational environments.



Extended Endurance to Unleash Greater Potential

The Dragonfish-25's extended endurance stems from a purpose-built narrow-body design and semi-recessed motors. In fixed-wing mode, automatic propeller lock technology further reduces aerodynamic drag during high-speed flight. This synergistic design efficiently enhances endurance, delivering a maximum flight time of 210 minutes even with payloads such as the DG-T5 gimbal.

Operational Workflow: From Deployment to Recovery

01

Rapid, Toolless Deployment & Transport

Integrated Transport Case: A sturdy, reliable all-in-one case enables easy short-distance carrying or secure long-distance shipping.

10-Minute Toolless Assembly: Achieve full system assembly within 10 minutes. A 10-second automated self-check gets you to flight mode rapidly.

02

Intuitive Mission Planning

Quickly generate and set flight paths with a simple tap on the controller screen, or load pre-configured mission files.

Easily define custom routes and waypoints to perfectly adapt to diverse operational requirements.

03

AI-Powered Target Tracking

Select the target to enter intelligent tracking mode. With zoom and laser ranging, achieve efficient and accurate target locking.

Use infrared mode to improve search efficiency.

05

Safe Return and Storage

One-Button Return: Easily return to home via the Home button.

Convenient Storage: Quickly organize after flight, easy to store and ready for the next use.

04

Automated Execution & Control

Full Mission Autonomy: From takeoff to mission completion, operations are fully autonomous.

Single-Operator Efficiency: An optimized workflow allows one pilot to manage complex missions confidently.

Guaranteed Safety: Seamlessly switch to manual override at any time for ultimate operational control and safety.

Dragonfish-25 Technical Specifications

Dimensions	3025.7×4566×823.6 mm (incl. propellers) 2735×4566×823.6 mm (excl. propellers)
Weight	29 kg (incl. batteries, propellers, excl. gimbal)
Max. Extra Payload Weight	10 kg
Max. Flight Time	270 min (empty payload), 210 min (@DG-T5)
Max. Flight Mileage	220 km (@DG-T5)
Protection Rate	IP45

Service Ceiling Above Sea Level	5000 m
Max. Horizontal Flight Speed	35 m/s
Max. Wind resistance	12 m/s
Operating Temperature	-20°C to 50°C
Max. Video Transmission Distance	45 km
GNSS	GPS + Galileo + BDS + GLONASS
Non-GNSS Flight	Supported, installation of a bottom-view navigation gimbal required

Payload System Technical specifications

DG-T5



- **Zoom Camera:** 35x optical zoom, 560x hybrid zoom
- **Wide-Angle Camera:** 12MP, 24mm equivalent focal length, f/2.8
- **Wide-Angle Thermal Camera:** 640×512, 13 mm focal length, 3.5x digital zoom
- **Tele Infrared Thermal Camera:** 640×512, 45 mm focal length, 56x digital zoom
- **Laser Rangefinder:** 10-2000 m measuring range

DG-T5L



- **Zoom Camera:** 35x optical zoom, 560x hybrid zoom
- **Wide-Angle Camera:** 12MP, 24mm equivalent focal length, f/2.8
- **Thermal Camera:** 640×512, 25 mm focal length, 16x digital zoom
- **Laser Rangefinder:** 10-2000 m measuring range
- **Laser Fill Light lens:** 800 m lighting distance