

# Dragonfish Drone Specifications

(4) Autel Robotics Dragonfish VTOL with Triple Camera Sensor Kits

(AR-DRF7T or equal)

Each Autel Robotics Dragonfish VTOL (AR-DRF7T) aircraft must have the following capabilities:

## Technical Specifications

- 120 minute endurance
- 67 mph (108 km/h) max Speed
- IP43 Rating System
- 17.2lbs take-off weight
- Level 6 wind resistant
- -4~131°F (-20~55°C) Operating Temperature
- 14763ft (4500m) Highest Transition Altitude
- 3.3lbs(1.5kg) Max Payload
- 19685 ft (6000m) Service Ceiling
- 1 cm +1 ppm Positioning Accuracy
- 4k 20x stabilized optical zoom
- 2000m infrared detection range
- 18.6 mile (30km) max video transmission range
- 5 second system boot and self-check
- One button landing/takeoff
- AI high speed tracking
- Adaptive tracking
- Advanced mission planning
- Back up modules for battery, IMU, barometer, compass and positioning system
- Autel Robotics flight control platform
- Ability to automatically transition to multi-rotor mode for adverse conditions
- Dual-redundant CAN bus communication
- Airspeed velocity sensors
- Interchangeable payload system
- GNSS Base Station integrated with 2 RTK modules and supports all 4 major satellite systems
- Autel Voyager software that provides advanced mission planning, intelligent tracking, flight history tracking, and other autonomous features.
- (4) AR-DRFAB flight batteries proprietary to Dragonfish and can only be used with Dragonfish
- 20x Optical Zoom + 12x Digital, 240x Total Magnification
- 12MP Wide Angle
- iRay Thermal 640x512 25mm
- 9.7"1000NIT ultra-bright Ground Control Station with software that provides advanced mission planning, intelligent tracking and flight history tracking with a high resolution (2048\*1536), 9.7 inches, ultra-bright (1000 nits) TFT-LCD touchscreen to ensure maximum visibility and practicality in all situations. Must be dust and water resistant. Video transmission to reach up to 18.6 miles (30km), and a battery life of up to 4.5 hours.
- Carry case for each Dragonfish

## Additional purchase:

(8) AR-DFAB Flight Batteries

### **Service Requirements (ADV-ASPF)**

Aircraft to be fully setup, configured, tested and technical check by Advexure's manufacturer certified technicians prior to fulfillment, which includes a complete airworthiness check over, firmware updates, and ease of operation prep for immediate deployment of the Dragonfish.

### **Training requirements (ADV-ELPS)**

Field training to be conducted by Autel Robotics representatives at Texas DPS site for familiarization from Advexure / Autel representatives following manufacturer training policies and procedures for safe and effective deployment of VTOL systems.

### **Support requirements (ADV-ELPS)**

Advexure Enterprise Lifetime Premium Support - Dealer/Distributor must be available 7 days a week, 365 days a year with enterprise support 24 hours a day by phone, email and live chat.