



COST-EFFECTIVE DRONE SOLUTION FOR COMMERCIAL OPERATIONS

Combining unique traditions in aviation, electronic, and software engineering, FIXAR's in-house R&D department has developed a dynamic and technologically advanced UAV in the market.

At FIXAR all the UAV solutions starting with the aircraft design and manufacturing to the related hardware and software are all designed, developed and produced in our company in Europe.

With an innovative and convenient VTOL design, the FIXAR 007 is both rugged and versatile, making it an excellent solution for multiple applications.



MEET FIXAR 007



..... **MAXIMIZED EFFICIENCY**

- Cost savings up to 35% compared to other drone solutions on market
- Innovative & proven technology to gain the competitive edge
- Up to 60 min flight time and 2 kg (4.4 lbs) payload capacity
- High maneuverability
- Extreme resistance to severe weather conditions



..... **END-TO-END INTEGRATED SOLUTION**

- Ready-to-fly , all-in-one solution
- Swappable payload module ensures FIXAR 007 can be used for multiple tasks
- Easy to operate: 2 minutes and 9 clicks to launch a mission
- 12-month/ 80 flights warranty period and world-class technical and operational support



..... **RELIABLE TECHNOLOGY**

- Robust control and fail-safe operation with proprietary Autopilot
- Autonomous take-off & landing even over unstructured terrain
- Protection from strong electromagnetic fields
- Free from bulky launchers or capture devices
- Approved for BVLOS flights



SOLUTION COMPONENTS

- 1 FIXAR 007 Aircraft body
- 2 Left Wing Panel
- 3 Right Wing Panel
- 4 Left Side Airframe Panel
- 5 Right Side Airframe Panel
- 6 Stabilizer
- 7 Vehicle's Rechargeable Battery
- 8 Charging Unit 12/220V
- 9 Payload Module as per client's requirements
- 10 xGroundControl Station end user software and User Manual
- 11 Telemetry Kit
- 12 FIXAR 007 User Manual
- 13 FIXAR 007 System Passport
- 14 Heavy-duty transport and storage case



TRAINING AND WARRANTY POLICIES

To deliver a complete end-to-end solution, any FIXAR package includes a complimentary two-day training experience that covers the essential information necessary to fly the FIXAR fixed-wing drone, including the online certification required to benefit from the warranty.

The extended 4 full-day training covers an introduction to FIXAR 007 drone and its functionality, xGroundControl software training, xGroundControl software tips and tricks for advanced missions, work with PPK and other sensors, instructions on storage, batteries, and charging, safety rules, hands-on Demo flight, Q&A session with drone operators. Drop us a message to learn about training calendar slots.

FIXAR 007 package comes with a warranty period of 12 months or 80 flights (take-off and landing cycle), effective from the date the product is received by the customer. During the warranty period FIXAR provides free of charge service and support (DDU Dealers facility), to repair any damages or malfunction covered by the warranty and that is not in result of any misuse of the equipment, damages resulted from bad weather conditions or by third parties.

FIXAR 007 SOLUTIONS



AERIAL PHOTOGRAPHY

surveying, 3D-modeling, cartography, mapping,
linear infrastructure inspections



LASER SCANNING

high-precision three-dimensional models
of various objects



REAL-TIME VIDEO MONITORING

safety and security operations, construction
progress, road traffic, guarded perimeters, oil and
gas pipelines, linear infrastructure facilities



MULTISPECTRAL IMAGING

bio protection, field monitoring, vegetation
indices, forest management



DELIVERY

last-mile delivery, document delivery,
medication and blood delivery

FIXAR 007 TECHNICAL SPECIFICATIONS

Type	Vertical take-off and landing (VTOL) aircraft
Wingspan	1620 mm (5.3 ft)
Number of rotors	4
Maximum take-off weight (MTOW)	7 kg (15.4 lb)
Maximum payload weight	2 kg (4.4 lb)
Take-off method	Vertical (fully autonomous)
Landing method	Vertical (fully autonomous)
Deployment time	2 min
Endurance*	Up to 60 min
Flight distance*	Up to 60 km (37.3 mi)
Maximum flight speed	118 km/h (74 mph)
Cruise speed	65-72 km/h (40-45 mph)
Hovering in 'copter' mode	Yes (up to 20 min)
Maximum telemetry range	40 km (24.9 mi) **
Maximum flight altitude above sea level	6,000 m (19 685 ft)
Maximum tolerable wind speed (recommended)	12 m/s (27 mph) during landing and take-off 15 m/s (33 mph) during mission mode
Operating temperature	-30 °C*** to +60 °C (-22 °F to 140 °F)
Operating weather conditions	Moderate rain and snowfall (IP 54 protection)
Control method (included)	Proprietary xGroundControl station software
Auto landing accuracy	1 m (9.8 ft)
Ground Control Points (GCPs) required?	Not needed for RTK/PPK
Protection from strong electromagnetic fields (resulted from the proximity to high-voltage power lines, radio or mobile phone base stations, big metal objects, etc.)	Yes, fully protected from take-off to landing due to absence of magnetometer sensor
Ability to operate without GPS	Yes, return to home point
Multiple point landing/take off capacity (UAV flight path can be adapted in route and the UAV can land and take off when and where necessary)	Yes (multiple)
Command and Control Link	CE 868-869 MHz, 500 mW FCC 902-928 MHz, 1000 mW
Battery Type	Lithium-polymer
Battery charge time	Less than 60 minutes
Transport case dimensions (LxWxH)	95.3x68.9x36.5 cm (3.1x 2.3x 1.2 ft)
Transport case weight	23 kg (50.7 lb)
Data logging system	BlackBox
Optional modules	PPK module, ADS-B in receiver (safety system), 4G LTE / 3G / GSM



For a quote, a real time demonstration or more information on any FIXAR products please contact us via www.fixar.pro or sales@fixar.pro

* Actual data may vary depending on UAV configuration, battery life and condition, operational, environmental and weather conditions, and flight mission configuration.

** Subject to weather conditions, altitude of flight, terrain

*** "Arctic" battery modification required