



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 the 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

In order to deliver a complete end-to-end solution, FIXAR package includes a free of charge 2-day long training course covering the essential information necessary to fly the FIXAR drone, including the online certification required to benefit from the warranty.

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 FIELDS OF USE



AERIAL PHOTOGRAPHY

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



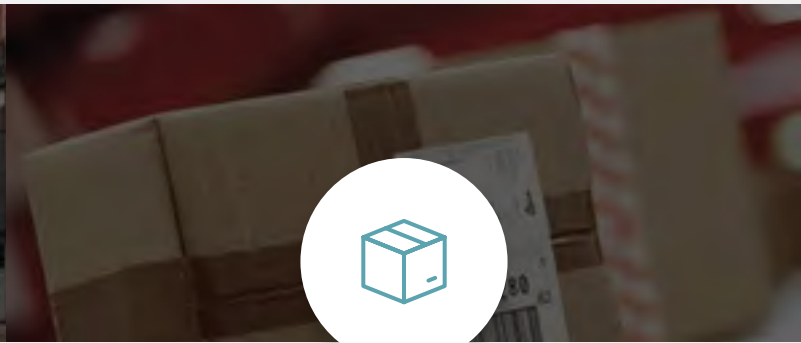
AGRICULTURE AND FORESTRY

bio protection, field monitoring, vegetation
indices, forest management



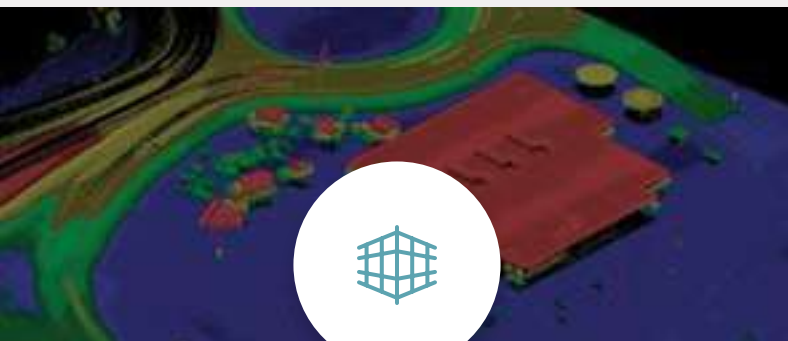
REAL-TIME VIDEO MONITORING

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



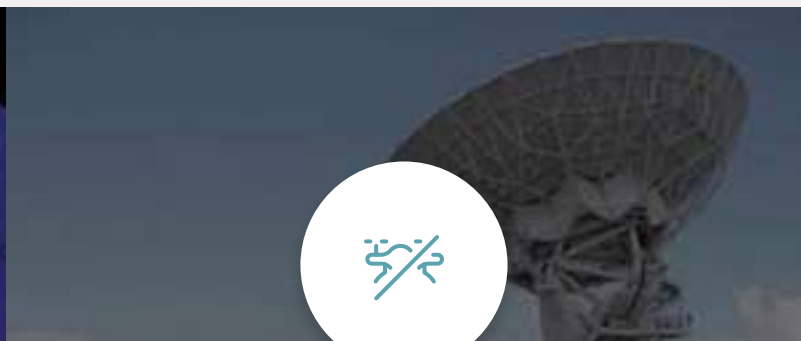
DELIVERY

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



LASER SCANNING

high-precision three-dimensional models
of various objects



COUNTER UAV SOLUTION

interception of drones-intruders

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 | 33 m/s (74 mph) |
| Cruise speed | 18-20 m/s (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 | 4,500 m (14 763 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) |



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