

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

