



FIXAR 007 NG technical specifications

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Feature	FIXAR 007 NG
Design	EU
Aircraft type	Vertical take-off and landing (VTOL) aircraft
Wingspan	1,620 mm (63.8 in)
Flight time	Up to 70 min
Maximum flight distance	Up to 55 km (34.2 mi)
Maximum flight altitude (ASL*)	6,115 m (20,062 ft)
MTOW**	7 kg (15.4 lb)
Payload capacity	2 kg (4.4 lb)
Maximum speed	24 m/s (86.4 km/h), (57.5 mph)
Cruising speed	18 m/s (64.8 km/h), (40.5 mph)
Deployment time	5 min
Training duration	3 days
Operational costs	\$200 per year
Maximum wind resistance	15 m/s (54 km/h), (33.6 mph)
Number of rotors	4
Body length	850 mm (33.5 in)
Transponder	Optional ADSB/Remote ID
IP rate	IP54
Operating temperature	-30 °C to +60 °C (-22 °F to 140 °F)
Software	FIXAR xGroundControl (proprietary)
Autopilot	FIXAR autopilot 2.0 (proprietary)
Communication protocol	FIXAR proprietary
Ability to fly in geomagnetic interference areas	Yes, the navigation system does not use a compass
Ability to fly in GPS-denied environment	Basic - IMU-based flight for jamming scenarios Advanced - computer vision + AI system for GPS-denied environment navigation
Quick deployment, Flight w/o mission	Available in autonomous and manual mode



Feature	FIXAR 007 NG
Mission flight autonomy	Autonomous mission flight
Take-off and landing autonomy	Autonomous landing
Collision avoidance system	Automatic terrain tracking functionality LiDAR-based altitude adjustment at low AGL in cruise / mission flights
Manual control	Integrated with FIXAR xGroundControl
Power type	Electric
Battery info	Li-Ion, 25V, 27AH

*ASL - above sea level.

** MTOW - maximum take-off weight.



Contact

We eagerly look forward to the opportunity to work with you.

For more information and to get in touch, please reach out to us using the following contact details:

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