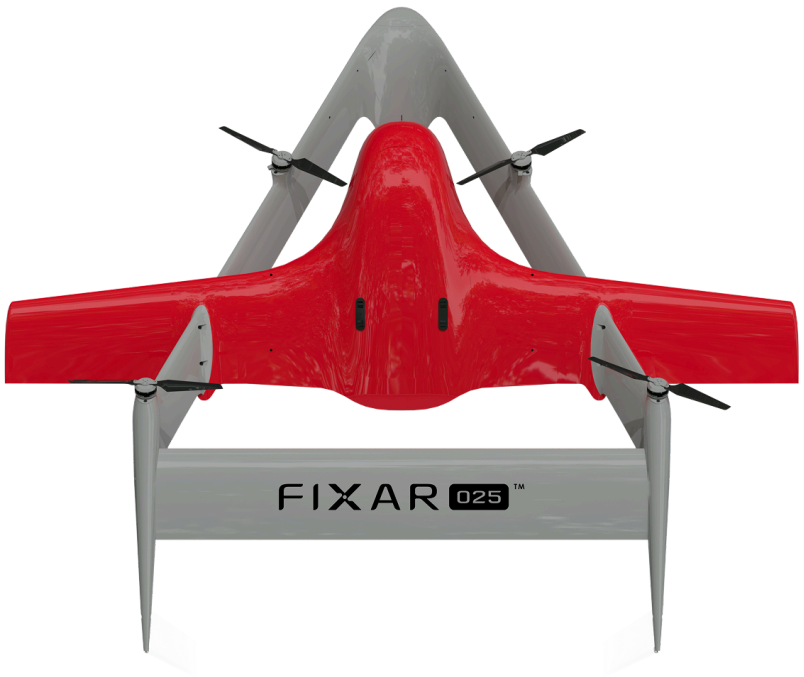
FIXAR Global Inc.
211 N Union St, #100, Alexandria, VA 22314, USA

FIXAR 025 technical specifications



Date issued: July 30, 2025

Feature	FIXAR 025
Country of origin	USA
Design	EU
Aircraft type	Fixed-angle rotor electric vertical takeoff and landing (eVTOL) aircraft
Number of rotors	4
Maximum takeoff weight	24.9 kg / 54.9 lb
Payload capacity, up to	10 kg / 22 lb
Multiple payloads	Integratable simultaneously
Wingspan	2.9 m / 9.5 ft
Body length	2.4 m / 7.7 ft
Flight time, up to	210 min
Flight distance, up to	300 km / 186 mi
Maximum flight altitude (ASL*)	6,115 m / 20,000 ft
Maximum speed in level flight**	20 m/s (72 km/h) / 45 mph
Cruising speed***	16 m/s (58 km/h) / 36 mph
Maximum wind resistance	15 m/s (54 km/h) / 34 mph
Deployment time, up to	10 min
BVLOS-ready	Remote ID; ADS-B In/Out (optional)
IP rate	IP54
Ambient operating temperature	-30 °C to +60 °C / -22 °F to 140 °F
Software	FIXAR xGroundControl (closed-source)
Autopilot	FIXAR autopilot 2.0 (closed-source)
Telemetry data protocol	XLink
Video stream	STANAG-compliant
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

Feature	FIXAR 025
Intelligent autopilot and navigation	Real-time surface track-and-follow, ground obstacle avoidance
Fast takeoff	Yes (mission upload after takeoff available)
Pre-defined mission pattern	Yes
Pre-planned mission flight	Yes
Autonomous takeoff and landing	Yes
Autonomous mission flight	Yes
Mission adjustment during flight	Yes
Landing point adjustment during flight	Yes
Accurate landing approach	Yes
Flight modes	Autonomous; manual: altitude hold, stabilization, position hold (optional), level-flight cruise
Supported manual control devices	1. USB joystick 2. RC transmitter 3. Point-and-click control
Power type	Electric
Battery info	Li-Ion, 44.4V, 54AH (12S2P)
Training duration	3 days

*ASL - above sea level

**Maximum speed in level flight - the highest speed a UAV can reach during stable horizontal flight in efficient mode, without ascending or descending

***Cruising speed - the recommended constant speed for the most efficient and stable long-duration missions

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:

Address: FIXAR Global Inc., 211 N Union St, #100, Alexandria, VA 22314, USA
Website: https://fixar.pro/
Email: sales@fixar.pro