



TACTICAL UAVS · TACTICAL ISR UAV, ELECTRIC VTOL

Pasban E-VTOL

Man-portable electric-VTOL platform for rapid, runway-free tactical surveillance.

MISSION ROLE	RANGE	ENDURANCE	PAYLOAD	LAUNCH	RECOVERY
Tactical surveillance / border security	30 km	2 hrs	AI EO/IR gimbal, 5 km LRF	VTOL, man-packed deployment	VTOL precision landing

SYSTEM OVERVIEW

Pasban E-VTOL is a man-portable vertical takeoff and landing (VTOL) electric UAV designed to meet the demanding requirements of military and law-enforcement ISR operations. Its compact, man-packed architecture allows rapid deployment by small tactical teams, enabling effective operations in confined, urban, and austere environments without the need for runways, launch systems, or dedicated infrastructure.

Fast system setup combined with extended endurance provides persistent aerial surveillance and continuous battlefield observation. Equipped with an AI-enabled EO/IR payload, it delivers real-time day-and-night situational awareness, automated target detection, and advanced tracking, serving as a force multiplier for border security, counter-terrorism, urban surveillance, and special reconnaissance missions.

TECHNICAL SPECIFICATIONS

Performance

Speed	20 m/s
Range	30 km
Altitude	1,000–1,500 m
Endurance	2 hrs
Propulsion	Electric

Physical

Wingspan	3.5 m
Length	1.5 m
Weight	18 kg

Payload & Control

Gimbal	30× EO (50 mm) + thermal, 5 km LRF, AI track
GCS	2 interconnected laptops (drone + gimbal)
Wind / Rain	Level 6 / 6 mm
Temperature	−10 °C to 60 °C

KEY CAPABILITIES

- AI-based target recognition, vehicle & human detection, 10+ simultaneous targets
- Target Trail autonomous follow-tracking of moving targets
- ADS-B sensor for automatic collision avoidance
- 30× optical-zoom EO + thermal, 5 km laser range finder
- Man-packed for rapid two-person deployment
- Customizable mission & UAV safety features