OUR PROFILE

Founded in 2024, Vimanu Aerospace (a unit of Minspire Marketing Solution Pvt. Ltd.) delivers precision unmanned aerial platforms engineered for agricultural, ISR surveillance, and mission-critical operations.

Advanced Technology

We deliver mission-grade unmanned aerial systems powered by AI-driven autonomy and encrypted S-Band telemetry.

Applications

Our solutions support ISR (Intelligence, Surveillance & Reconnaissance), emergency response, precision mapping, and critical infrastructure protection.

Brand Promise

At Vimanu Aerospace, we don't just deliver drones — we build operational confidence with unmatched reliability in the most demanding environments.

*Sub-2kg micro drone platform with **swappable payloads** & rapid < 5 min field deployment.*

MAKE IN INDIA · SUB-2KG MICRO · EO/IR · LRF · 26MP

VIMANU
AEROSPACE
MINSPIRE MARKETING SOLUTION

VIMANU-MICRO



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VIMANU AEROSPACE

D-26, 1st Cross St, Block E, Alpha I, Greater Noida, Uttar Pradesh - 201310

An initiative of Minspire Marketing Solution Private Limited · Greater Noida, India

VIMANU
AEROSPACE
MINSPIRE MARKETING SOLUTION PVT. LTD.

Paired with expert support and Advanced solutions

VIMANU-MICRO



5 KM	45 MIN	4500 M
MAX RANGE	ENDURANCE	CEILING

KEY FEATURES

- **Live Streaming**
  Real-time video feed to remote command centers
- **Terrain Awareness**
  Advanced terrain & obstacle avoidance
- **Smart Maps**
  Seamless integration with intuitive maps like DSM, ESM
- **Rugged GCS**
  Field-ready ground control station
- **Rapid Deployment**
  Single-operator, quick assembly
- **Modular Payloads**
  Quick-swap payload architecture
- **Man-Portable**
  Compact and easy-to-carry design
- **AI Tracking**
  Target tracking, coordinates & geofencing

TECHNICAL SPECIFICATION

Configuration **Quadcopter**	Weight **<2 kg**
Encryption **128 bit AES**	Cruise Speed **8 m/s**
Operating Altitude **500 m AGL**	Temperature Range **-20°C to +55°C**
Acoustic Signature **Low**	Deployment Time **< 5 min (Box to Flight)**
Frequency Band **S-Band**	Wind Resistance **8 m/s**

GCS FEATURES

CUSTOM FLIGHT ZONES	DYNAMIC WAYPOINTS	FLIGHT PLAN OVERLAP	ADJUSTABLE PARAMETERS
MULTIPLE WAYPOINTS	VIRTUAL FENCE	VARIOUS WAYPOINT ACTIONS	HIGH RANGE CONTROL

PAYLOAD MODULES

MODEL S2

Day
4K, 5x optical
Target tracking, target coordinates
500m LRF

Night
640 x 512 resolution
4x digital
Target tracking, target coordinates



MODEL S1

Day
4K, 5x optical
10x digital
Target tracking, target coordinates



MODEL M1

26 MP Camera
Automatic Onboard Geotagging

