



The US1-MKII

Unmanned Aerial Surveillance and Awareness Aircraft

- Fully Autonomous (no pilot needed)
- Weather Resilient (rain/high winds)
- Endurance ~ 2 hour flight time
- Long Range ~ 4 miles based on radio
- Universal Payload Mounting System
 - Little Training Required



Vayu's US1-MKII features best-in-class technological proficiency expected from a high-performance drone. This unmanned aircraft is built to provide a multitude of real-world solutions like situational awareness and aerial reconnaissance.

Carrying a standard payload of 6lbs, the US1-MKII offers up to 75 minutes of flight time. With a lighter payload the US1-MKII offers up to two hours of flight time. Fast charging Lithium-Ion power cells provide the structural integrity of the airframe, allowing for unparalleled energy density and longer flight time.

The efficient design of the US1-MKII allows for endless mission specific adaptations to be mounted under the center of the four arms.

STANDARD SPECIFICATIONS

This data is based on a maximum payload of 6 lbs. (2.72 kg).

Construction	Encased 96 Li-ion Batteries
Maximum Air Speed	48mph (77 kph)
Maximum Radio Range	4 miles (6.43 km)
Maximum Distance	37 miles (59.54 km)
Unladen Weight	18.5 lbs (8.4 kg)
Flight Time / No Payload	Up to 2 Hours
Flight Time / With Max. Payload	Up to 75 Minutes
Maximum Density Altitude	8,200 ft
Operating Temps	32°F to 122°F (0°C to 50°C)
Payload Capacity	>6.2 lbs (2.8 kg)
Overall Dimensions	26" x 26" x 16"
256 AES Encrypted Data Link	Frequency Band: 2.4Ghz Power Output: 1 Watt

MISSION SETS AND CAPABILITIES

- ISTAR (Intelligence, Surveillance, Target Acquisition, Reconnaissance)
- IVA (Immediate Visual Assessment)
- Battle Space Awareness
- ATAK/WaRTAK Repeater
- Convoy Support-Short/Long Haul
- Medical Supply Delivery
- Food/Resupply Delivery
- Post Attack Runway Assessment
- Close Air Support
- RTK Capable
- Target Acquisition
- Structure Inspection
- Tactical Networks (MPU5, Trellisware, or Harris)
- Combat Comm Node
- Perimeter Security
- Surveying
- Ship to Ship Delivery
- Anti-Poaching
- Agriculture Monitoring

Cage Code: 7DHU8
 Unique Entity Identifier: LN7GDGL4FMQ5
 DUNS: 079515940

MORE VAYU UAVs



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NOTE: Specifications, data and information are subject to change without notice. Consult factory for any customization requests.