



AIRVAN⁸

The Airvan 8 fixed wing surveillance aircraft comes equipped with one workstation, one equipment rack, 28 volt alternator and pod with retract system. Summit Aviation and partners have outfitted their Airvan 8 demonstrator surveillance aircraft with a Digital Management System, COMINIT/EO/IR, single LRU full HD multi-sensor and Ground Datalink. The aircraft is versatile and can be customized in any configuration to support your mission requirements.

Aircraft Features:

- Rugged
 - Designed and built in Australia – by pilots for pilots – to negotiate unimproved, short airstrips
- Dependable
 - Low maintenance
 - Fixable in the field
- Safe
 - Safety is the top priority for all of us. The Airvan 8 exceeds the current market of aircraft with grandfathered safety standards dating back to the 1960s and is FAR23 compliant. No other aircraft of this class manufactured today can make this claim.

Performance Specs:

- Lycoming IO-540TC 6 cylinder, 320HP
- Max. Take Off Weight = 4000lb
(Increase available to 4200lb)

- Max. Payload with Full Fuel = 1250lb
- Fuel Capacity = 88 Gallons (useable)
- Take Off Distance = 1000ft
- Landing Distance = 520ft
- Range 6 hrs. (124kts @ 8000ft), 706nm
(with 45 min reserves)
- Service Ceiling 20,000ft
- Garmin Avionics

Outstanding Loiter Endurance

- A loiter of 75 kts for extremely precise positioning and timings
- Enables missions, such as reconnaissance, broadcast/filming, aerial survey, search and rescue
- Cost effective

Customized Observation Pod

- Fully-enclosed pod inconspicuously houses, protects and conceals the camera system when not in use
- Belly-mounted camera results in low vibration for a 360-degree, unimpeded view

Slow Speed Maneuverability

- Stall speed of 64 KIAS (and 57 KIAS with flap) for excellent slow speed maneuverability
- Perfect for law utility, such as chase missions

Special Modular Workstations

Custom-designed number of ergonomic workstations for special missions Modular workstations fitted or demounted quickly for role changes Standard configuration of two workstations with up to five seats Rear internal cabin cargo space.



WGS Systems

WGS Mission Management System: Designed for the Surveillance/Intelligence gathering mission

- Intuitive gaming-like user environment
- Multi-sensor control and visualization
- Non-cluttered complete situational awareness and sensor status
- Enhanced moving map supports numerous map types
- Navigation and aircraft status
- Integrated sensor cross-cueing
- Integrated relational database
- Subject association, combining
- High-fidelity multi-int metadata
- Powerful subject and target development:
- Forensics, association
- Predictive analysis
- Pattern of life development

FLIR

SS380HD Single LRU full HD multi-sensor imaging system

- Star SAFIRE 380-HD is the only all-digital, full HD system in a single LRU
- Provides superior image stabilization, ultra-long range imaging performance, and true metadata embedded in the digital video
- Provides full high definition mega-pixel resolution imagery from all sensors for superior range and imaging performance
- High definition color in low light conditions
- SWIR short wave infrared band sensor provides expanded multi-spectral day and night imaging
- Sensor and geospatial data fully embedded within the digital video stream
- System combines important spectral information from IR and Color/SWIR sensors for enhanced results, extremely valuable when limited to single video channel downlinks
- MIL-STD qualified for fixed-wing and helicopter operations so it can operate continuously in all environmental conditions



ViaSat

The ViaSat ELIII data link is one of the most robust fully feature full duplex data system available. The ELIII is designed to easily integrate with most sensors available. It has two built in HD video encoders and is capable of sending IP, synchronous and asynchronous traffic in both the uplink and downlink. The ELIII has demonstrated ranges of over 200km with its 11Mbps throughput. This fully featured full duplex data link allows analyst to remain in the control center to review the video and other ISR data. Camera balls, auto pilots and other sensors can be controlled from the ground with this bi-directional link.

About Summit Aviation

Summit Aviation, founded in 1960, is a full-service aviation center located in Middletown, Delaware at KEVY Airport (EVY) and is the oldest, continuous operating aircraft company in the state of Delaware.

Over the years, Summit Aviation has grown steadily by performing quality work at reasonable prices. In June 2008, Summit Aviation was acquired by Greenwich AeroGroup and has continued to set the industry standard for quality, versatility, cost effectiveness and excellent customer service.

Contact us at info@summit-aviation.com or visit our website at www.summit-aviation.com.

About Mahindra Aerospace

Mahindra Aerospace led the Mahindra Group's foray into utility aircraft and aerostructures manufacturing. Mahindra Aerospace continues to invest in developing and fielding new capabilities in both India and Australia. In Aerostructures, Mahindra Aerospace has integrated its Australian and Indian teams to develop its new manufacturing facility in India. Through this facility, it aims to meet global OEM and tier-one sourcing requirements, and develop long-term stable sourcing relationships.

Visit us at mahindraaerospace.com or email us at aerostructures@mahindraaerospace.com aircraft.sales@mahindraaerospace.com for more details on Mahindra Aerospace, its Aerostructures offerings and its aircraft product range.