



HIGH EYE



Why the Airboxer®?



► ROBUSTNESS

- STANAG 4738 documented
- Dust and Water Proof IP-67
- EMI-shielded

► PERFORMANCE

- Endurance: **4 Hours**
- **Up to 7 kg** Payload
- **Long-range** Capability

► PRACTICAL

- **Multiple Payload** Integration
- **MTOW: 32 kg**
- **Fuel Driven**

► SAFETY

- **DES-Encrypted Datalink**
- Tested **Autoration**
- **Emergency Flotation** System





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AIRBOXER[®]

SPECIFICATIONS



GENERAL

Aircraft dimensions	1875 X 630 X 560 mm
Aircraft empty weight	22.5 kg
Maximum take-off weight	32 kg
Powerplant configuration	2-stroke, air-cooled, dual injection, FADEC
Fuel quantity	8.85 l
Maximum hover endurance	> 2.5 hours (ISA / AMSL / 3.0 kg payload)
Maximum flight endurance	> 4 hours (ISA / AMSL / 3.0 kg payload)
Maximum flight range	> 200 NM / 360 km (Optional 4G)
Speed for maximum endurance	35 kts IAS
Speed for maximum range	45 kts IAS
(Vne) Maximum flight speed	75 kts IAS
Environmental	IP-56 enclosure, IP-67 avionics
Precipitation	Medium rain / light hail
Humidity	95% Non-condensin
Temperature	-10°C To +45°C
EMC	200 V/m @ 1 MHz - 18 GHz (MIL-STD-810F)
Autopilot capability	Automatic / semi-automatic / autorotation
Communication frequency	900 - 5900 Mhz Bands (2200 - 2500 MHz default)
Communication range	100km (line-of-sight, average conditions, MRA system)
Communication encryption	DES standard (other standards optional)

PAYLOAD

Integrated payload types	EO / IR / VIDAR / MAD / ETC
Maximum payload weight	7.0 kg
Maximum payload weight - full fuel	3 kg
Payload power supply	350W / 24VDC continuous
Payload communication	IP Ethernet (IEEE 802.3)
Payload data rate at max. range	> 4 Mbps

GNSS Denied Navigation

Accurate & Reliable
Navigation System for
GNSS-Denied Environments



Jamming & Spoofing
Detection and Protection



Precise Attitude &
Position Estimation



No Maps Loading Required



Built-in Air Data System.
Key for Dead Reckoning
Navigation



Ultra-Compact, and
Easy to Integrate



CONTACT US



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