



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: 31.7 kg
- Fuel Driven

### ▶ SAFETY

- DES-Encrypted Datalink
- Tested Autorotation
- Emergency Flotation System





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# AIRBOXER®

## SPECIFICATIONS









### GENERAL

<b>Aircraft dimensions</b>	1839 X632 X 575 mm
<b>Aircraft empty weight</b>	21 kg
<b>Maximum take-off weight</b>	31.7 kg
<b>Powerplant configuration</b>	2-stroke, air-cooled, dual injection, FADEC
<b>Fuel quantity</b>	8.80 l
<b>Maximum hover endurance</b>	> 2.5 hours (ISA / AMSL / 3.0 kg payload)
<b>Maximum flight endurance</b>	> 4 hours (ISA / AMSL / 3.0 kg payload)
<b>Maximum flight range</b>	> 200 NM / 360 km (Optional 4G)
<b>Speed for maximum endurance</b>	35 kts IAS
<b>Speed for maximum range</b>	45 kts IAS
<b>(Vne) Maximum flight speed</b>	75 kts IAS
<b>Environmental</b>	IP-56 enclosure, IP-67 avionics
<b>Precipitation</b>	Medium rain / light hail
<b>Humidity</b>	95% Non-condensing
<b>Temperature</b>	-10°C To +45°C
<b>EMC</b>	200 V/m @ 1 MHz - 18 GHz (MIL-STD-810F)
<b>Autopilot capability</b>	Automatic / semi-automatic / autorotation
<b>Communication frequency</b>	900 - 5900 Mhz Bands (2200 - 2500 MHz default)
<b>Communication range</b>	100km (line-of-sight, average conditions, MRA system)
<b>Communication encryption</b>	DES standard (other standards optional)

### PAYLOAD

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

### GNSS Denied Navigation

<p>Accurate &amp; Reliable Navigation System for GNSS-Denied Environments</p> 	<p>Jamming &amp; Spoofing Detection and Protection</p> 	<p>Precise Attitude &amp; Position Estimation</p> 
<p>No Maps Loading Required</p> 	<p>Built-in Air Data System. Key for Dead Reckoning Navigation</p> 	<p>Ultra-Compact, and Easy to Integrate</p> 

CONTACT US



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