

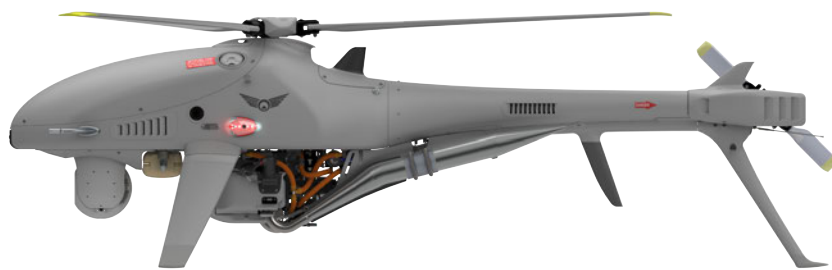


HIGH EYE



## About the Airboxer®

The Airboxer® is a long-range, fuel-driven unmanned helicopter (VTOL UAV). Because of its size, weight and capabilities, it **creates a class on its own** and brings **industrial reliability** into the UAV market in an unprecedented small size. High Eye believes its product should be **safe to operate** under nearly all circumstances and conditions, throughout the year.



### ► ROBUSTNESS

- STANAG 4738 documented
- Dust and Water Proof IP-67
- EMI-shielded
- Corrosion Protected
- Rugged and Weatherproof

### ► PERFORMANCE

- Endurance: 4 Hours
- Up to 7 kg Payload
- MTOW: 32 kg
- Long-range Capability
- Multiple Hours of Hovering

### ► PRACTICAL

- Multiple Payload Integration
- Low Logistical Footprint
- Lightweight (22.5 kg empty)
- Fuel Driven

### ► SAFETY

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



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# AIRBOXER®

## SPECIFICATIONS



### GENERAL

<b>Aircraft dimensions</b>	1875 X 630 X 560 mm
<b>Aircraft empty weight</b>	22.5 kg
<b>Maximum take-off weight</b>	32 kg
<b>Powerplant configuration</b>	2-stroke, air-cooled, dual injection, FADEC
<b>Fuel quantity</b>	8.85 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-condensin
<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>	25 km (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

CONTACT US



Cornelis Lelystraat 12  
3316 ET Dordrecht  
The Netherlands



+31 (0) 85 0410196



info@higheye.com