



airclip



HORUS Series

HOvering Remote Controlled
Ultralight Sensorplatform



Airclip Service
GmbH & Co. KG

Am Eiswurmlager 24
01189 Dresden
Germany

info@airclip.de
+49 (0) 351 896 694 34



airclip

www.airclip.de

FLYING CONTAINER SYSTEM

Special applications require special devices. Therefore the HORUS drones are built as a flying container system. Pay-load containers can be swapped very quickly and easily.

Standardized interfaces as well as the HORUS easy mounting system make development and testing of new applications very simple.

TECHNOLOGY CARRIER

Powerful industrial PC or low priced single board computer (SBC) act as the interface between HORUS and your measurement instruments. This is where the measured data is recorded, enriched with GPS and flight data, stored and analysed.

FULLY AUTOMATIC

Mission planning: The HORUS auto pilot follows prepared waypoints. Flight missions are done automatically and can be repeated.

Use HORUS encrypted wireless data-link for the real time data collection to your ground station.

PILOT TRAINING

A product is only complete when the user can operate it perfectly. Our drones are always delivered in conjunction with a pilot training for the operator. We are always on hand to assist with technical matters, so you can focus to solve your tasks perfectly.

product specifications

HORUS 80



HORUS 120

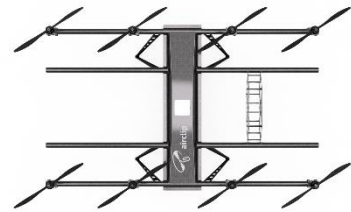


DIMENSIONS

(length x width x height)

80 x 80 x 45 cm

120 x 80 x 45 cm



WEIGHT (incl. batteries)

3.900 g

4.200 g (*5.200 g)

MAX TAKEOFF WEIGHT

10.000 g

12.000 g

CONSTRUCTION

waterproof housing and connections
compact carbon fiber frame
redundant motors

waterproof housing and connections
big carbon fiber frame for big payloads
modular design, fast payload changing

FLIGHTTIME

2.0 kg Payload

15 min

17 min (*22 min)

no Payload

25 min

28 min (*35 min)

Max payload

10 min

13 min (*16 min)

BATTERIES (UN 38.3)

2x LiPo, 22.2 VDC, 5900 mAh

2x LiPo, 22.2 VDC, 5900 mAh or
*4x LiPo, 22.2 VDC, 5900 mAh

FLIGHT PERFORMANCE

max flight altitude

2000 m

2000 m

max horizontal speed

14 m/s

14 m/s

max vertical speed

5 m/s

5 m/s

max wind resistance

10 m/s

10 m/s

COMMUNICATION

2.400 to 2.483 GHz

2.400 to 2.483 GHz

OPTIONAL EXTENSIONS

power module

individual payload

output power

signals

data link

single board computer (SBC)

Increase flight time using a tethered station with 100 m power cable for permanent flying

standard modules for HORUS to adapt your payload

5 – 25 VDC max 5 A for your sensor

remote controlled sensor management from ground station

wireless encrypted data transfer to ground station

raspberry PI and other powerfull computers for various applications

ALLWAYS INCLUDED:

*Flight time depends on operation mode, weather conditions, altitude, payload and battery capacity



Software



Service



Training



Drone