

CARRIER · COAXIAL X8

HX8

Our flagship coaxial octocopter — unparalleled motor redundancy, extreme foldability, and the stability to safely lift heavy payloads.



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|----------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------------------|
| 8 KG MAX PAYLOAD | 43 MIN MAX FLIGHT TIME | X8 COAXIAL PROPULSION | 32,000 mAh CAPACITY | UNIVERSAL PAYLOAD CONNECTOR |
|----------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------------------|

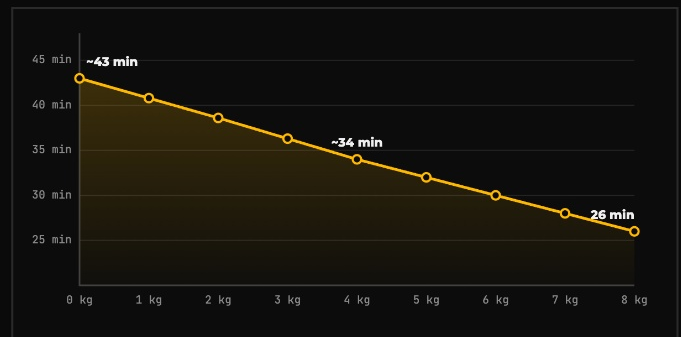


CARRIER HX8.

Developed for industrial, scientific, and military demand for an exceptionally safe and foldable system, the Carrier HX8 uses a robust coaxial octocopter framework that delivers unparalleled motor redundancy.

Manufactured in the USA to the tightest tolerances, the HX8 is the most adaptable, powerful, and versatile coaxial octocopter in the Carrier series — built for mission reliability across the most demanding deployments.

PERFORMANCE FLIGHT TIME VS. PAYLOAD



TESTED AT 120 M AGL · 2-MIN LANDING RESERVE · VARIES WITH ALTITUDE, TEMP & WIND

02 - CONFIGURATION HIGHLIGHTS

| | | | | |
|----------------------------|----------------------------------|---------------------------------|---------------------------------|------------------------------|
| 8 kg MAX PAYLOAD | 43 min MAX FLIGHT TIME | X8 COAXIAL REDUNDANCY | ~40% FOLDED FOOTPRINT | 21" MOUNTING WIDTH |
|----------------------------|----------------------------------|---------------------------------|---------------------------------|------------------------------|

03 - GROUND CONTROL

GROUND CONTROL OPTIONS.

OPTION A · HANDHELD - COMMERCIAL & MILITARY

OPTION B · CONSOLE

| | | |
|--|--|--|
|  |  |  |
| <h2>C-NAVIGATOR</h2> <p>COMMERCIAL</p> <p>RUGGED HANDHELD GCS</p> <ul style="list-style-type: none"> 8" Samsung TAB 5 IP65 AES-256 / STIG NDAA Compliant | <h2>C-SROC</h2> <p>MILITARY / DEFENSE</p> <p>SOLDIER ROBOTIC CONTROLLER</p> <ul style="list-style-type: none"> 8" Samsung TAB 5 Tactical Edition MIL-STD-810-H · IP65 Nett Warrior · AES-256 / STIG NDAA Section 848 | <h2>C-GCS</h2> <p>CONSOLE</p> <p>PROFESSIONAL MISSION COMMAND</p> <ul style="list-style-type: none"> 12-Channel Functionality Sunlight-Viewable Display 2-Axis Payload & Gimbal NDAA Compliant |

■ ALL STATIONS · MAVLINK NATIVE · NDAA SECTION 848

SPECIFICATIONS
TECHNICAL SPECIFICATIONS.
A POWER SYSTEM

| | | | |
|------------------|---------------------------------|--------------------|---------------------|
| BATTERY TYPE | 12S1P Smart LiPo (2× Batteries) | NOMINAL VOLTAGE | 44.4 V |
| BATTERY CAPACITY | 16,000 mAh per battery | BATTERY CONNECTOR | AS150U-F Anti-Spark |
| TOTAL CAPACITY | 32,000 mAh | RECHARGE TIME | 1.5 hours |
| PEAK VOLTAGE | 50.4 V | BATTERY LIFE CYCLE | 250 Flights |

B AIRFRAME & PERFORMANCE

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|----------------------|-----------------------------------|-----------------------|---|
| FRAME TYPE | Coaxial Octocopter (X8, Foldable) | PROPELLERS | Carbon Fiber w/ Aluminum Hub (29.2" × 9.2") |
| MAX HORIZONTAL SPEED | 15 m/s · 33.6 mph | MAX TAKEOFF WEIGHT | 25 kg · 55 lbs |
| MAX VERTICAL SPEED | 2.5 m/s · 5.6 mph | EMPTY WEIGHT | 9.8 kg · 21.5 lbs |
| SERVICE CEILING | 12,000 ft · 3,658 m AMSL | DIMENSIONS (UNFOLDED) | Prop tip 2,389 mm · H 753 mm |
| MAX FLIGHT TIME | 43.2 min (no payload) | TRANSPORT (FOLDED) | 705 × 705 × 233 mm |
| MOTORS | 8× KV100 equivalent | OPERATING TEMP | -20 °C to 49 °C · IP43 |

C COMMAND, CONTROL & SAFETY

| | | | |
|-------------------|---|-----------------------|-----------------------------------|
| FLIGHT CONTROLLER | Cube Orange (Custom ArduPilot) | PROPULSION REDUNDANCY | X8 Coaxial |
| RADIO FREQUENCIES | 2.4 GHz ISM · 902-928 MHz | FAILSAFES | Radio & Battery Failsafes |
| DATA RANGE | 12.5 mi · 20 km (Extended-Range Optional) | FLIGHT TRACKING | ADS-B Receiver |
| GNSS | Dual RTK GNSS | TELEMETRY | Real-Time Voltage & Current |
| IMU REDUNDANCY | Triple Redundant IMU | GROUND CONTROL | C-GCS / C-NAV / C-SRoC / HereLink |
| | | COMPLIANCE | NDA Compliant |

D PAYLOAD INTERFACE

| | | | |
|---------------------|--------------------------------|---------------------|------------------------------------|
| MOUNT TYPE | Dampened Modular Quick-Release | PAYLOAD POWER OUT | 5 V · 12 V · 24 V · 48 V Regulated |
| MOUNTING WIDTH | 21 inches | DATA INTERFACE | UART / Ethernet / CAN / GPIO / USB |
| MAX PAYLOAD | 8 kg · 17.6 lbs | COMPATIBLE PAYLOADS | Professional Payload Library |
| MOUNT COMPATIBILITY | Universal Payload Connector | | |



HARRIS AERIAL

CARRIER HX8

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