

CARRIER • COAXIAL X8

HX8

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



8 KG
17.6 LBS
MAX PAYLOAD

43 MIN
MAX FLIGHT TIME

X8
COAXIAL PROPULSION

32,000 mAh
CAPACITY

UNIVERSAL
PAYLOAD CONNECTOR

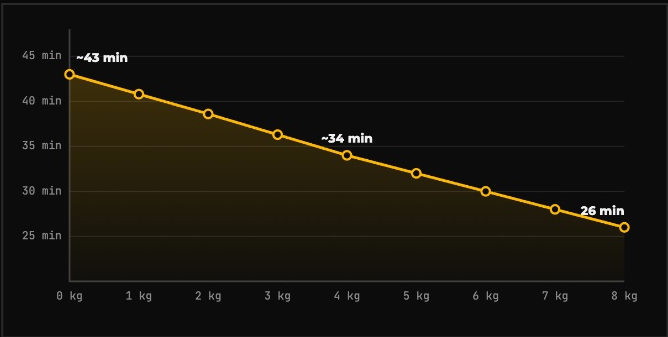


CARRIER HX8.

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

03 — GROUND CONTROL

GROUND CONTROL OPTIONS.

OPTION A • HANDHELD — COMMERCIAL & MILITARY

OPTION B • CONSOLE



C-NAVIGATOR

COMMERCIAL

RUGGED HANDHELD GCS

- 8" Samsung TAB 5
- IP65
- AES-256 / STIG
- NDAA Compliant

C-SROC

MILITARY / DEFENSE

SOLDIER ROBOTIC CONTROLLER

- 8" Samsung TAB 5 Tactical Edition
- MIL-STD-810-H · IP65
- Nett Warrior · AES-256 / STIG
- NDAA Section 848

C-GCS

CONSOLE

PROFESSIONAL MISSION COMMAND

- 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

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	18.1 kg · 40 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

HX8 · PRODUCT BROCHURE

HX8.

— CONTACT

WEB

harrisaerial.com

EMAIL

info@harrisaerial.com

PHONE

(407) 725-7886