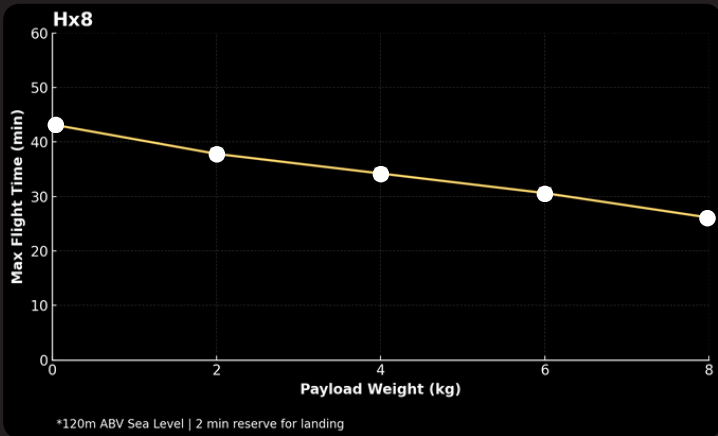


# A HARRIS AERIAL

## Hx8

Redundant Propulsion (x8) • Foldable Design  
 Compact Foldable Airframe • Universal Payload Connector



Harris Aerial proudly presents our flagship coaxial octocopter drone, the Carrier Hx8. Harris Aerial began development on the Carrier Hx8 coaxial UAV in response to industrial, scientific, and military demand for an extremely foldable and safe unmanned drone capable of carrying heavy payloads not offered by typical commercial drones.

With motor redundancy and foldability in mind, the Hx8 framework and other utilized hardware have been thoughtfully designed with safety in mind. With over a decade of development, the Carrier Hx8 is manufactured in the USA with the tightest tolerances to ensure the ultimate satisfaction for our customers.



## GCS

OPTIONS



- Handheld
- 8" HD Display
- Touchscreen
- Real-Time Video
- Low Latency
- NDA Compliant

- 12 Channel Functionality
- Sunlight Viewable Display
- 2-AXIS Payload & Gimbal Controls
- 6-POS/3-POS/2-POS/Guarded
- Button/Rotary
- NDA Compliant

HARRISAERIAL.COM

INFO@HARRISAERIAL.COM | (407) 725-7886



# HARRIS AERIAL



# Hx8

## GENERAL

Maximum Takeoff Weight	55 lbs   25 kg	Flight Modes	GPS LOITER   ALTITUDE HOLD   FULLY AUTONOMOUS
Empty Weight	21.5 lb   9.8 kg	Radio Frequencies	2.4 GHz (ISM)   902-928 MHz
Max Payload	17.6 lb   8 kg	System Architecture GPS	Open Source
Flight Time	43.2 min. (No Payload)		Dual RTK GNSS
Max Speed	33.6 mph   15 m/s	Payload Mounting	Dampened Modular Quik-Release
Max Vertical Speed	5.6 mph   2.5 m/s	Weather Rating	(IP43)
Max Lean Angle	30 degrees	Flight Safety Systems	Radio and Battery Failsafes Triple Redundant IMU Parallel Battery Power
Dimensions (Unfolded)	Prop Tip to Tip: 2389 mm / 94.0" Height: 753 mm / 29.6	Dimensions Transport Case	Length: 901 mm / 35.5" Width: 901 mm / 35.5" Height: 495 mm / 19.4"

## BATTERY

Battery Type	12S1P Smart Lipo (2xBatteries)	Battery Capacity	16,000 mAh
Peak Battery Voltage	50.4 V	Battery Life Cycle	250 Flights
Nominal Battery Voltage	44.4 V	Battery Connector	AS150U-F (Anti-Spark)
Auxiliary Power	5.3 V, 12/14 V, 24/28 V, 48 Vbat Power Ports	Safety Features	Battery Voltage & Amperage Monitoring

## OPERATIONAL & ENVIRONMENTAL

Operation Table	-20°C to 49°C -4°F to 120°F	Service Ceiling AMSL	12,000 ft   3658 m (Payload Dependant)
Max Operational Wind Speed	30 mph   13 m/s	Service Ceiling AGL	400 ft   122 m (FAA Limited)

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