

A HARRIS AERIAL

Hx8 Tether

Unlimited Power • High Speed Data Rates
RF-Denied Environments



Harris Aerial proudly presents our flagship coaxial octocopter drone, the Carrier Hx8. This modified iteration of the Hx8 combines the capabilities of the LEAP Solo II's continuous power and secure high-speed data connectivity to the Hx8's safe and robust design.

This high-power automated system is housed in two rugged, highly portable cases, which makes it ideal for two-person carry deployment in urban neighborhoods and the rugged terrain of the back country.

With motor redundancy and foldability in mind, the Hx8's capabilities coupled with the LEAP Solo II are virtually limitless. The HX8 Tether allows operators to fly longer and more reliably with heavier payloads up to 21.5lbs.

LEAP SOLO II

The LEAP Solo II consists of the following: UAV Converter, Hybrid Tether, Ground Power Station, Tether Module, and Ground Control Station.



Carrier Hx8 Drone
Power Converter On Aircraft
Hybrid Tether
Ground Power Station
Tether Module
Electronics Bay



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HX8 Tether

LEAP SOLO II GENERAL

Available Power UAS & Payloads	2.5 Kw / 5 Kw / 6.2 Kw	System Telemetry	Via Tether (RF Denied) or Radio
Operating Voltage	52 Vdc	Payload Data Ports	2 Ethernet, 1 PoE
Payload Power	5.3 V, 12/14 V, 24/28 V, 48 Vbat Power Ports	Payload Interoperability	Integrated Data Hub
Input Power	220 VAC (shore, generator, vehicle)	Operational Environment	-20°F to 120°F, Light Rain & Sand
Accessory Power	120 Vac / 5 Vdc (USB)	Tether Length	450ft (Standard)
Ground Based Equipment Accessory Power	48 Vdc (400w) Optional	Electronics Bay Case	8U Shock Mount Rack (120lbs)
Secure Air to Ground Data Throughput	2 Fibers (20Gps) / 3 Fibers (30Gps)	Tether Module Case	Auto Tensioner Vehicle Mountable
Secure Flight Operations	Fly By Tether	Tether Control	Automatic Motor-Controlled Winch System

HX8 GENERAL

Max Takeoff Weight	55 lb 25 kg	Max Speed	33.6 mph 14 m/s
Empty Weight	21.5 lb 9.8 kg	Peak Battery Voltage	50.4 V
Max Payload	21lbs 9.5kg	Dimensions (Unfolded)	Prop Tip to Tip: 2425 mm / 95.5" Height (Customizable): 645 mm / 25.4"
Max Flight Time	12+ hours		

MOTORS & PROPELLERS

Motors	8	Optimal RPM	2200 - 2800 RPM
Equivalent KV	KV100 Motors	Propeller Dimensions	28.2" x 9.2"