



CARRIER · TETHERED PERSISTENCE

HX8 TETHER

Uncompromising heavy-lift meets virtually limitless flight duration — powered by the LEAP Solo 5K for continuous power and secure gigabit data.

21 LBS

MAX PAYLOAD

24 HR

FLIGHT TIME

5 KW

CONTINUOUS POWER

30 GBPS

SECURE DATA

400 FT

MAX ALTITUDE AGL



CARRIER HX8 TETHER.

The Carrier HX8 Tether is not just a drone — it is a complete, persistent aerial infrastructure. Merging the extreme redundancy of the HX8 coaxial octocopter with the 5,000 W continuous power of the LEAP Solo 5K, operators maintain uninterrupted airborne operations for up to 24 hours.

Housed in rugged, highly portable cases, the entire ecosystem is engineered for rapid two-person deployment across the most demanding industrial, scientific, and military applications.

ENDURANCE PERSISTENT FLIGHT

24 HR

Continuous airborne overwatch on 5 kW shore-fed power — hold station without landing to recharge.

| 5 KW CONTINUOUS | 400 FT AGL

| 30 GBPS SECURE

02 - SYSTEM HIGHLIGHTS

01

21 lbs

MAX PAYLOAD

02

24 hr

FLIGHT TIME

03

5 kW

CONTINUOUS POWER

04

30 Gbps

FIBER DATA

05




Fly-by-Tether

RF-DENIED READY

03 - SYSTEM ARCHITECTURE

GROUND-TO-AIR ARCHITECTURE.

THREE INTEGRATED NODES - PERSISTENT · SECURE · MISSION-CRITICAL

		
<h3>HX8 + AC-DC</h3> <p>NODE 01 · AIRBORNE</p> <p>TETHERED AERIAL UNIT</p> <ul style="list-style-type: none">■ 21 lbs Payload Capacity■ X8 Coaxial Propulsion■ Up to 400 ft AGL■ Onboard AC-DC Converter	<h3>TETHER & POWER</h3> <p>NODE 02 · HYBRID TETHER</p> <p>LEAP SOLO 5K</p> <ul style="list-style-type: none">■ 5,000 W Continuous■ Auto-Tensioning Winch■ 2-3 Fiber · 20-30 Gbps■ 220 VAC Shore Input	<h3>ELECTRONICS BAY</h3> <p>NODE 03 · GROUND</p> <p>MISSION CONTROL RACK</p> <ul style="list-style-type: none">■ 8U / 10U / 12U Rack■ Integrated Data Router■ Sat / LTE / Microwave Backhaul■ Weatherproof Display

■ TWO-PERSON DEPLOYMENT · 220VAC SHORE OR GENERATOR · USAS LEAP SOLO 5K

04 - SPECIFICATIONS

TECHNICAL SPECIFICATIONS.

A POWER & TETHER SYSTEM

INPUT POWER	220 VAC (Shore · Generator · Vehicle)	TETHER LENGTH	400 ft AGL Max (122 m)
CONTINUOUS POWER	5,000 W	PAYLOAD POWER	5.3 V · 12/14 V · 24/28 V · 48 Vbat
PROPULSION POWER	50-60 VDC (12S)	TETHER PARTNER	USAS LEAP SoLo 5K
TETHER CONTROL	Automatic Motor-Controlled Winch	DEPLOYMENT	Two-Person · Rugged Cases

B DATA & CONNECTIVITY

DATA THROUGHPUT	2 Fibers (20 Gbps) / 3 Fibers (30 Gbps)	BACKHAUL READY	LEO/GEO Sat · LTE/5G · Microwave PtP
PAYLOAD DATA PORTS	2x Gigabit Ethernet · 1x PoE+ · 1-2 Fiber	RACK OPTIONS	8U / 10U / 12U Shock Mount
LINK TYPE	Fly-By-Tether (RF-Denied Ready)	ACCESSORY POWER	48 V Integrated Bay

C AIRFRAME & PERFORMANCE

AIRFRAME	Carrier HX8 (X8 Coaxial, Foldable)	DEPLOYED (TIP-TO-TIP)	2,425 mm · 95.5"
MAX PAYLOAD	21 lbs	DEPLOYED HEIGHT	645 mm · 25.4" (Customizable)
MAX SPEED	33.6 mph · 14 m/s	EMPTY WEIGHT	9.8 kg · 21.5 lbs
MAX TAKEOFF WEIGHT	55 lbs · 25 kg	OPERATING TEMP	-29 °C to 49 °C · -20 °F to 120 °F
MOTORS / PROPELLERS	8x KV100 · 28.2" x 9.2"	ORIGIN	Made in USA



HARRIS AERIAL

CARRIER HX8 TETHER

HX8 TETHER · PRODUCT BROCHURE

HX8 TETHER.

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