

CARRIER • HEAVY-LIFT

H6HL

Unmatched heavy-lift capability — over 300 lbs of available thrust to tackle the most demanding professional payloads.



40 KG

MAX PAYLOAD

48 MIN

MAX FLIGHT TIME

300+ LBS

AVAILABLE THRUST

UNMATCHED

FOLDABILITY

UNIVERSAL

PAYLOAD CONNECTOR



CARRIER H6HL.

The Carrier H6HL is in a heavy-lifting weight class of its own. Developed over four years to redefine precision and performance, this drone features a robust framework capable of seamlessly carrying heavy equipment and scientific instruments up to 40kg.

Despite its monumental 10.4-foot wingspan, it features a patented design that folds down into a 46×46-inch transport case for efficient transport — from transport case to mission-ready in minutes.

PERFORMANCE FLIGHT TIME VS. PAYLOAD



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

CONFIGURATION HIGHLIGHTS

40 kg MAX PAYLOAD	48 min MAX FLIGHT TIME	300+ lbs AVAILABLE THRUST	Unmatched FOLDABILITY	Universal PAYLOAD CONNECTOR
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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 CONFIGURATION	8x 6S1P 30,000 mAh LiPo	BATTERY SERVICE LIFE	250 flight cycles
TOTAL CAPACITY	120,000 mAh @ 12S	POWER REDUNDANCY	Parallel Battery Power
BATTERY VOLTAGE	22.2 V nominal (6S) / System (12S)	CONVERTIBLE POWER	Modular Batt Cap. 60Ah / 90Ah / 120Ah
POWER CONNECTOR	AS150U-F Anti-Spark	LOW BATTERY BEHAVIOR	Auto-Return to Home
BATTERY INSTALL	Quick-Release Plunger & Slide Rail		

B AIRFRAME & PERFORMANCE

FRAME TYPE	Hexacopter	PROPELLERS	Carbon Fiber w/ Alum Hub (40" x 13.1")
MAX HORIZONTAL SPEED	15 m/s · 33.6 mph	MAX TAKEOFF WEIGHT	95 kg · 209.4 lbs
MAX VERTICAL SPEED	2.5 m/s · 5.6 mph	EMPTY WEIGHT	55 kg · 121.3 lbs
MAX LEAN ANGLE	30°	DIMENSIONS (FLIGHT READY)	Prop tip 3,213 mm · H 1163 mm
SERVICE CEILING	12,000 ft AMSL	TRANSPORT CASE	1165 x 1165 x 530 mm
MAX FLIGHT TIME	48 min (no payload)	IP RATING	IP43
MOTORS	6x KV100 equivalent	OPERATING TEMP	-20 °C to 49 °C

C COMMAND, CONTROL & SAFETY

FLIGHT CONTROLLER	Cube Orange (Custom ArduPilot)	GROUND CONTROL	C-GCS / C-NAV / C-SRoC / HereLink
RADIO FREQUENCIES	2.4 GHz ISM · 902-928 MHz	FAILSAFE	Auto RTH / Hover / Land
FLIGHT TRACKING	ADS-B Receiver	TELEMETRY	Real-Time Voltage & Current
IMU REDUNDANCY	Triple Redundant IMU	COMPLIANCE	NDAA Compliant

D PAYLOAD INTERFACE

MOUNT TYPE	Dampened Modular Quick-Release	PAYLOAD POWER OUT	5 V · 12 V · 24 V · 48 V Regulated
MOUNT COMPATIBILITY	Universal Payload Connector	DATA INTERFACE	UART / Ethernet / CAN / GPIO / USB
MAX PAYLOAD	40 kg · 88.2 lbs	COMPATIBLE PAYLOADS	Heavy Professional Equipment



HARRIS AERIAL

CARRIER H6HL

H6HL • PRODUCT BROCHURE

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