

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 46x46-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 |
|-----------------------------|----------------------------------|-------------------------------------|---------------------------------|---------------------------------------|

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

H6HL.

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