



CHC X500 RTK Drone Package



COST EFFECTIVE OPERATIONS

At 1.1kg payload, the X500 flies for up to 50 minutes. A 25-43% productivity advantage over competing RTK drones.

COMPLETE AERIAL PACKAGE

X500 drones are in stock in the USA. Payload lead time +/- 2 weeks.

COMPREHENSIVE PAYLOAD SELECTION

Featuring a complete selection of three RGB photogrammetric payloads, and five LiDAR payloads.

PROVEN AERIAL PLATFORM

Hundreds of X500 drone chassis have been sold worldwide and operate daily in commercial environments.

EASY DATA EXTRACTION

CoPre lifetime post-processing included. Quickly and easily export georeferenced point clouds.



AU 10 LiDAR + RGB

640,000 pt/s 300m range
24.3 MP camera



Intelligent Battery Station

Charges 6 batteries, controller, and laptop over USB-C



Dual Hot-Swap Batteries

Seamless transition and continuous power for multiple flights.



Payload Selection

Wide variety of integrated LiDAR and RGB payloads



All-in-one Software

CoPre processes trajectory and exports colorized LAS. No costly subscription.

Pricing & Information



www.igage.com/x500/index.htm

Questions?

Contact our nationwide team



CHC X500 RTK

Specifications

Performance	
Type	Quadcopter
Structure	Carbon fiber quick release
Dimensions (unfolded, no propellers)	30.3" x 31.7" x 17.7" (L, W, H)
Dimensions (folded, with propellers)	19.1" x 16.1" x 17.7" (L, W, H)
Empty Weight	+/- 4.4 kg (no batteries) +/- 8.9 kg (with batteries)
Maximum Payload Weight	5.0 kg
Maximum Takeoff Weight	13.9 kg
RTK Accuracy (RTK Fix)	1cm +/- 1ppm Horizontal 1.5 cm +/- 1ppm Vertical
GNSS Constellations	GPS + GLONASS + BeiDou + Galileo
Operating Temperature	-4 to 122 F
Storage Temperature	-40 to 158 F
Transport Container Dimensions	30.3" x 20.5" x 12.2" (L, W, H)
Flight Performance	
Maximum Ascent Speed	8 m/s
Maximum Descent Speed	6 m/s
Maximum Wind Resistance	12 m/s (level 6)
Maximum Flight Time	58 mins empty 52 mins with 2kg payload 40 mins with 4kg payload
IP Rating	IP55
Obstacle Avoidance	Forward millimeter radar
Obstacle Detection Range	80 m forward
Remote Control	
Screen	10.1 Inch Touchscreen 1920 x 1080 Resolution 1000 Nits Brightness
Weight	1.5 kg
Operating Time	5 Hours
Frequency	2.403 GHz to 2.483 GHz
Transmission Range	20 km Radius (unobstructed)

Payloads	
Supported Configurations	Single downward Single upward Dual downward Single downward + Single upward
Supported CHCNAV Payloads	RGB: C5 / C30 / C504 LiDAR: AA450, AU10, AU20, AA15
Battery	
Model	B10
Battery	Li-ion (10000 mAh @47.04 V)
Weight	+/- 2.25 kg
Operating Temperature	-4 to 122 F
Charging Temperature	-4 to 104 F
Charging Time	+/- 70 mins to fully charge 2x B10 Batteries +/- 40 mins to charge from 20% to 90%
Battery Station Model	BS10
Size	23.1" x 14.6" x 11.9" (L, W, H)
Battery Charging Case Weight	9.9 kg
Battery Capacity	Six (6) B10 Batteries
Input Voltage	100-240 VAC, 50-60 Hz
Maximum Input Power	1200 W
Output Power	1000 W

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