

NEWSPACE MARKET · COMPANY PROFILE

CHCNAV

CHC Navigation / Huace Daohang

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as of 20 August 2026

CHC Navigation / Huace Daohang

CHC Navigation designs and manufactures geospatial technology for mapping and surveying, integrating GNSS, LiDAR, UAV, and USV systems. The company also provides advanced machine control solutions, including GPS machine control systems for excavators, dozers, graders, and compactors, complemented by GNSS rovers and CAD field software. CHC Navigation develops GNSS navigation with hybrid GNSS+INS technologies for unmanned systems, robotics, and autonomous vehicles, offering GPS RTK sensors and chipsets. Additionally, it produces smart agriculture solutions, including tractor guidance and auto-steering systems powered by GPS farming technologies. Customers include professionals in mapping and surveying, earthmoving, automotive, logistics, mining, construction, and agriculture. The company offers global support.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Geospatial Data Capture and Deliverables CHC Navigation provides geospatial data capture services using GNSS, LiDAR, and UAV systems to produce reliable spatial data deliverables for mapping and surveying.	L-band GNSS Correction Services (PointSky) CHCNAV offers PointSky L-band GNSS correction services, providing real-time centimeter-level GNSS corrections via satellite for remote surveying.
Machine Control Solutions Implementation CHC Navigation delivers and supports advanced machine control solutions for earthmoving equipment, enhancing precision, productivity, and efficiency on job sites.	Precision Agriculture System Optimization CHC Navigation provides services to optimize precision agriculture practices using smart farming solutions, including tractor guidance and auto-steering systems.

Product catalogue



CHC NAVIGATION / HUACE DAOHANG

CHCNAV i93

The i93 is CHC Navigation's flagship IMU-RTK GNSS smart antenna, combining a 1892-channel multi-constellation receiver with an auto-tilt IMU and dual cameras for visual surveying a

GNSS constellations	GPS, GLONASS, Galileo, BeiDou, QZSS, SBAS, NavIC/IRNSS
Receiver channels	1892-channel
RTK accuracy (horizontal)	0.8 cm
RTK accuracy (vertical)	1.5 cm
PointSky PPP accuracy	2.5 cm horizontal / 5 cm vertical
IMU update rate	200 Hz, auto-tilt compensation
Cameras	Dual camera system for visual/AR stakeout

price on request



CHC NAVIGATION / HUACE DAOHANG

High-Precision GNSS Survey Receivers

CHC Navigation's professional-grade dual/triple-frequency RTK GNSS receivers and surveying instruments supporting BeiDou, GPS, Galileo, and GLONASS for centimeter-level positioning

Technology	Triple-frequency RTK GNSS (BeiDou-3, GPS, GLONASS, Galileo, QZSS, NavIC)
Accuracy	±8 mm horizontal + 1 ppm RTK (typical)
Products	RTK rover/base receivers, UAV GNSS, marine receivers, machine control
Export Markets	140+ countries
Certifications	ISO 9001, CE
HQ	Shanghai, China (STAR Market listed)

price on request

Contact CHC Navigation / Huace Daohang

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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<https://www.chcnav.com>

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