

SPECIFICATIONS

► Display

Size (W × L × H)	281 × 181 × 42 mm
Weight	1.5 kg
Screen	10.1" 1024 × 600 pixels 750 cd/m²
System	Android 6 4 Cores 1.2 GHz 2 GB RAM + 16 GB ROM
Operation Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Ingress Protection	IP65
GNSS Constellation	GPS, GLONASS, BeiDou, Galileo, QZSS, L-Band

► Sensor

Size (W × L × H)	48.9 × 109 × 27.3 mm
Weight	115 g
External Power Input	7–36 V DC
Static Accuracy (RMS)	±0.05°
Dynamic Accuracy (RMS)	±0.1°
Shock	50 g / 11 ms
Vibration	7.7 Grms, 10–1000 Hz
Operation Temperature	-40°C to +75°C
Storage Temperature	-50°C to +85°C
Ingress Protection	IP69K

► Antenna

Dimensions	Ø150 × 61 mm
Weight	≤450 g
External Power Input	3.3–12 V DC
Gain	40 ± 2 dB
Noise Coefficient	±2 dB
Shock	30 G / 11 ms
Vibration	MIL-STD810H, 7.7 G
Operation Temperature	-40°C to +85°C
Storage Temperature	-55°C to +85°C
Ingress Protection	IP68

*Specifications are subject to change without notice.

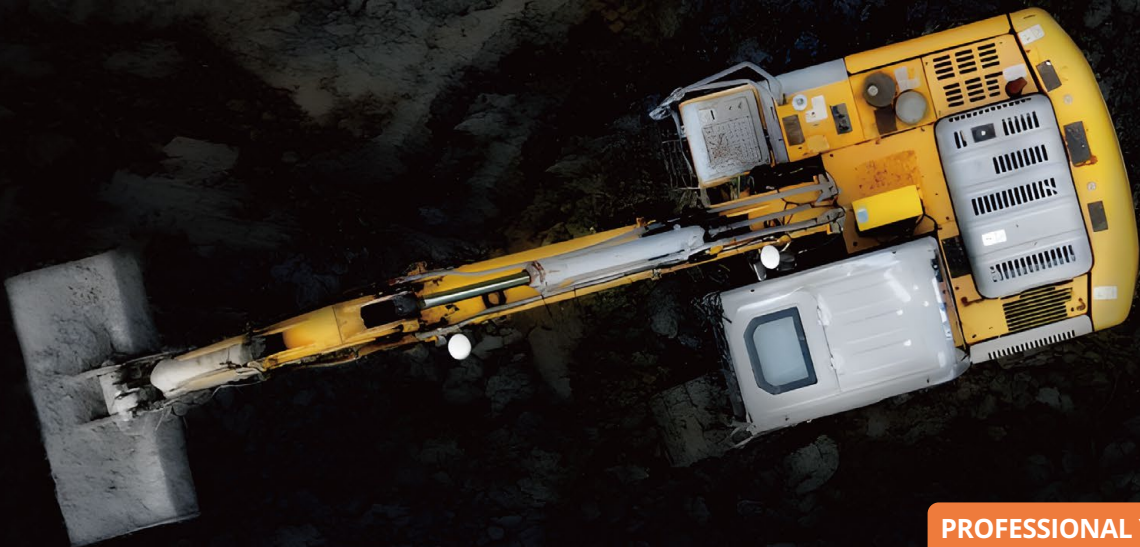
CHCNAV



EasyNAV

EMG100 2.5D Excavator System

Your First 2.5D Machine Control System



CHC Navigation Headquarter
577 Songying Road, Qingpu,
201703 Shanghai, China
Marketing@chcnv.com
+86 21 54260273

CHC Navigation Europe Kft
Office Campus, Building A
1097 Budapest Gubacsi út 6/A., HUNGARY
Europe_office@chcnv.com
+36 20 510 6723

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PROFESSIONAL YET SIMPLE
YOUR **ONE-STOP**
CONSTRUCTION SOLUTION PARTNER

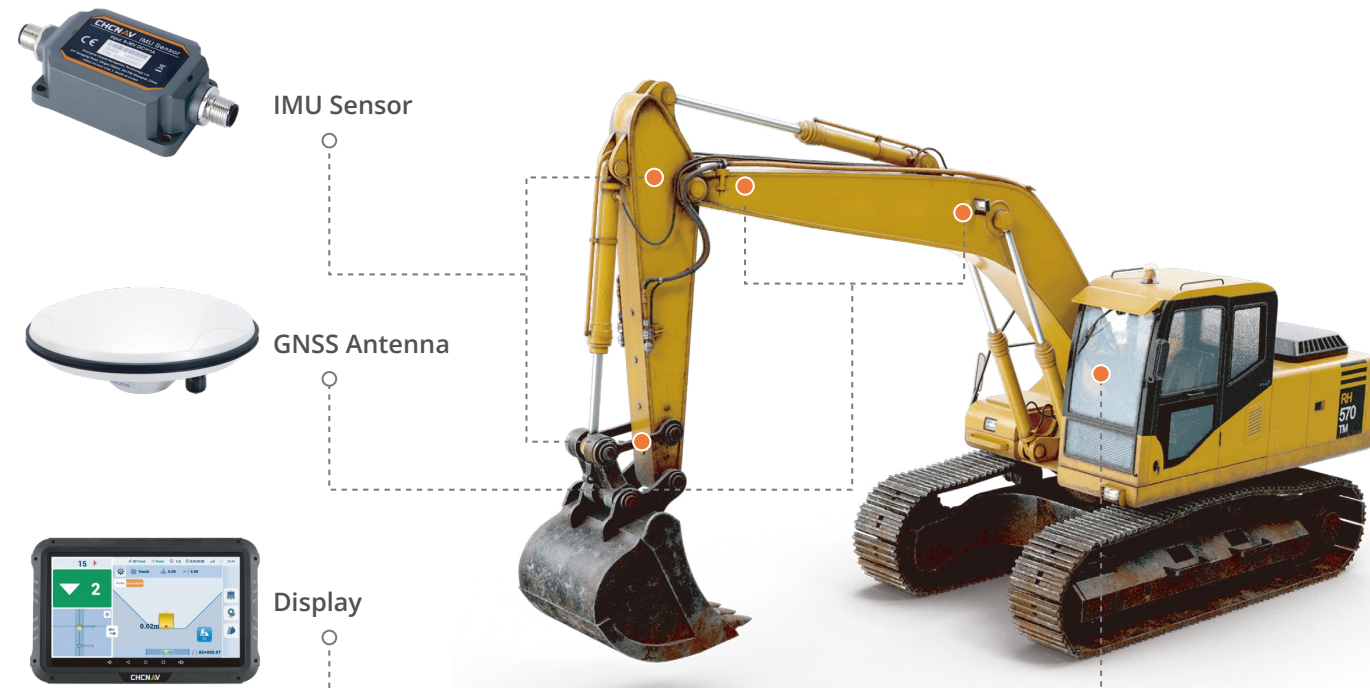
► Highlights

The EasyNAV EMG100 3D Excavator System offers a high-precision, user-friendly solution with optimized components and software. Its integrated hardware and advanced excavator algorithm models allow for quick installation and calibration, ensuring centimeter-level accuracy perfect for small construction projects.

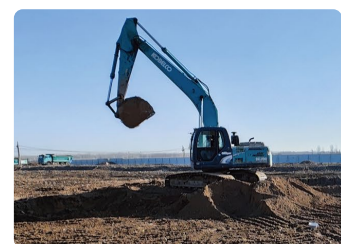
With its powerful in-field design capabilities, The EMG100 minimizes the need for surveyors and assistants, helping operators overcome traditional challenges such as difficult precision control, frequent climbing on and off the machine, and complicated operating procedures., enabling operators to complete tasks independently with precision and efficiency. This reduces labor costs while ensuring high-quality results, making the EMG100 an ultimate choice for streamlined and effective excavation projects.



► 2.5D System For Excavators



► Application



Ground Leveling



Foundation Building



Slope Cutting



Ditching

► Easy to Profit



Reduced Labor Costs

Minimizes the need for surveyors or assistants, significantly reducing expenses.



Increased Efficiency

Boosts operational productivity by up to 30%. By streamlining workflows and minimizing the need to repeatedly get on and off the machine, it boosts on-site efficiency and increases profitability.



Economical Maintenance

Low-cost maintenance ensures maximum profitability throughout the system's lifecycle.

► Easy to Get



◆ 3 Month Pay Back

Affordable and accessible for all excavator owners, delivering excellent value.

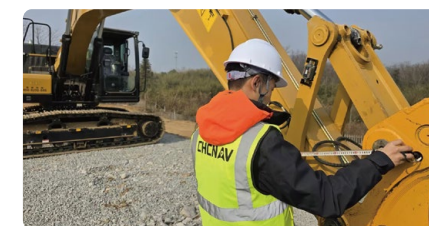
◆ Timely Delivery

Strategically located regional warehouses ensure fast and reliable product availability.

◆ Localized Support

Comprehensive local after-sales services provide a worry-free ownership experience.

► Easy to Operate



Enhanced Flexibility

Fully compatible with diverse excavators, including swing boom, tilt bucket, and offset boom models.



Wide Applicability

Supports tasks like leveling, ditching, sloping, and more, managing complex job requirements with ease.



Quick MasteryOn-Site Designing

Learn to operate the system efficiently in just 30 minutes, minimizing downtime. Designed specifically for on-site data operations, it is simple and intuitive to use.

► Easy to Set



Quick Installation

Install and calibrate in just 2 hours with a single operator.



Minimal Tools Needed

Simplified setup requires only Measuring Tape, Plummet, Level.



Quick Start

Begin operation instantly with a single button press.