



PRECISE E2

EXCAVATOR GUIDANCE SYSTEM

PRECISE E2

SIMPLEST 2.5D SYSTEM · BEST IN-FIELD DESIGN · WIDEST APPLICATIONS

The PRECISE E2 2.5D 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 E2 minimizes the need for surveyors, enabling operators to complete tasks independently with precision and efficiency. This reduces labor costs while ensuring high-quality results, making the E2 an ultimate choice for streamlined and effective excavation projects.



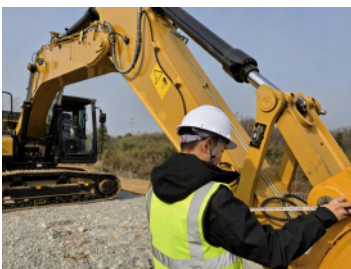
Easy to Get

- **Cost-Effective Solution:** 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

- **Quick Mastery:** Learn to operate the system efficiently in just 30 minutes, minimizing downtime.
- **Enhanced Flexibility:** Fully compatible with diverse excavators, including swing boom, and offset boom models.
- **Wide Applicability:** Supports tasks like leveling, ditching, sloping, and more, managing complex job requirements with ease.



Easy to Set

- **Quick Installation:** Install and calibrate in just 2 hours with a single operator.
- **Minimal Tools Needed:** Simplified setup requires only common tools.
- **Quick Start:** Begin operation instantly with a single button press.



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%.
- **Economical Maintenance:** Low-cost maintenance ensures maximum profitability throughout the system's lifecycle.



Ground Leveling



Road Construction



River Dredging



Leveling in Farmland



Ridging in Farmland



Foundation Building



Trenching



Slope Building in Pond



SPECIFICATIONS

Communication Configuration

4G	Dual SIM cards, full-network compatibility.
Radio	Adjustable power (0.5 W, 1 W, 2 W); Frequency range: 410 MHz–470 MHz, step 12.5 Hz; Air baud rate: 19.2 kbps, 9.6 kbps.
Bluetooth	BT4.2, BR/EDR + BLE.
Wi-Fi	IEEE 802.11.

Display and Control Terminal

Size	10.1-inch LCD screen.
CPU	Octa-core.
Storage	2 GB RAM, 16 GB ROM.
Resolution	1280 × 720.
Battery	N/A.

System Accuracy

Horizontal accuracy	±1.5 cm.
Elevation accuracy	±3 cm.
Heading angle	0.15°/R (R is the baseline length of dual antennas).
Pitch/roll angle	0.25°/R (R is the baseline length of dual antennas).
Bucket dynamic attitude accuracy	0.2°.

Satellite Systems

BDS	B1I, B2I, B3I, B2b*.
GPS	L1C/A, L2P, L2C.
GLONASS	G1, G2.
Galileo	E1, E5b.
QZSS	L1C/A, L2C.
SBAS	L1C/A.

Environmental Characteristics

Operating temperature	–30°C to +75°C.
Storage temperature	–40°C to +85°C.
Protection rating	IP67.
Power supply	DC 6V–36V.

