



FJD G31 PRO

3D EXCAVATOR GUIDANCE SYSTEM

HIGHER CONSTRUCTION EFFICIENCY WITH REDUCED COST

The GNSS and RTK-based grade control system includes a 3D reference model, updates cut & fill-workload, and shows the excavator and bucket positions in real time, enabling operators of all skill levels to achieve 3cm accuracy effortlessly.



Accuracy
±3cm



3D Visual
Guidance



Possibility for 2D
Without GNSS



Durable Wire
at -40°C



8-core 2.2GHz
Tablet



Online Support
& OTA



Elevation Offset



Network
Transmission

WIDE COMPATIBILITY

Offer great compatibility with a wide range of excavator models available on the market, ensuring versatility and convenience for various applications.



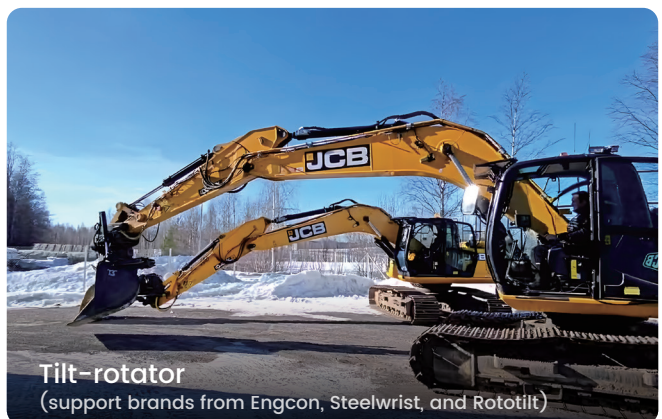
Double-boom



Offset Boom



Tilt bucket



Tilt-rotator
(support brands from Engcon, Steelwrist, and Rototilt)

3CM ACCURACY

The sensor module ensures high precision and reliability, while GNSS antennas with ultra-strong and stable signals enable 3cm accuracy.



SITE DESIGN

With design drawings, you can set datum points on the spot. With the built-in transection templates, 3D visual files could be synthesized for a smooth start.



STREAMLINED WORKFLOW

Support a wide range of features to streamline workflow on job site, bringing higher efficiency and more convenience to your construction projects.

- Completion Rendering
- Layer Management
- 3D Line Guidance
- Transparent Bucket



KEY BENEFITS

45%



Fuel Consumption

150%



Proportion of Measuring
Point Accuracy Within 3cm

35%



Labour Hours



Slope
Cutting



Land
Leveling



Wading
Operation



Deep
Excavation

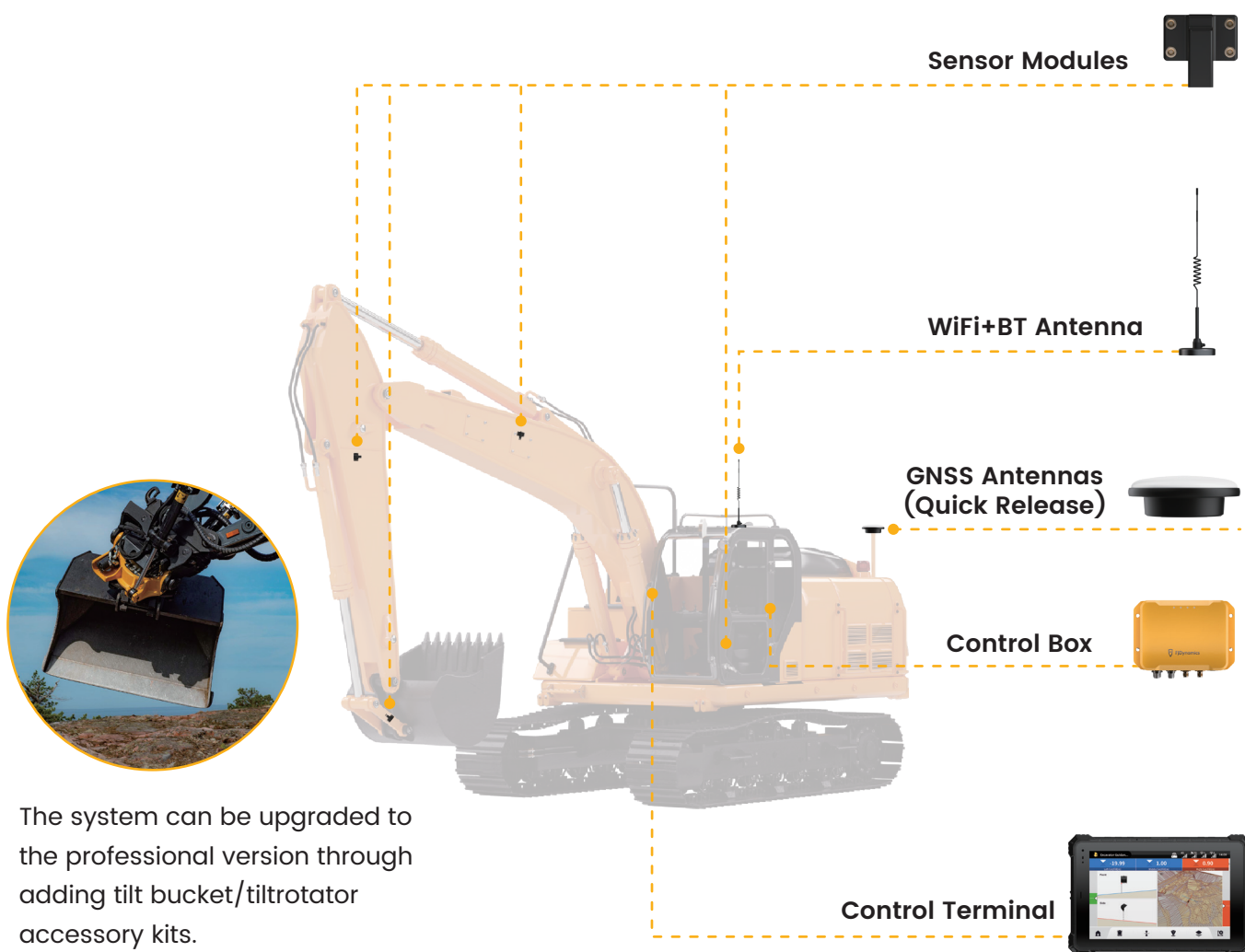
QUICK SPECS

Accuracy	±3.0 cm
Positioning Satellite	Beidou / GLONASS / GALILEO / GPS / QZSS / SBAS
Sensor	
IP Reating	IP67
Working Temperature	-40 °C – +85 °C
Sensor Cover	Wading-operation Optional

Control Terminal

Signals	4G / WIFI / BT
Screen	10.1" LED Touchscreen
Size	284×189×22.5 mm
Memory	8 GB of operating memory, 128 GB of storage memory
CPU	octa-core 2.2 GHz

STANDARD VERSION



The system can be upgraded to the professional version through adding tilt bucket/tiltrotator accessory kits.

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