



FJDynamics



# 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



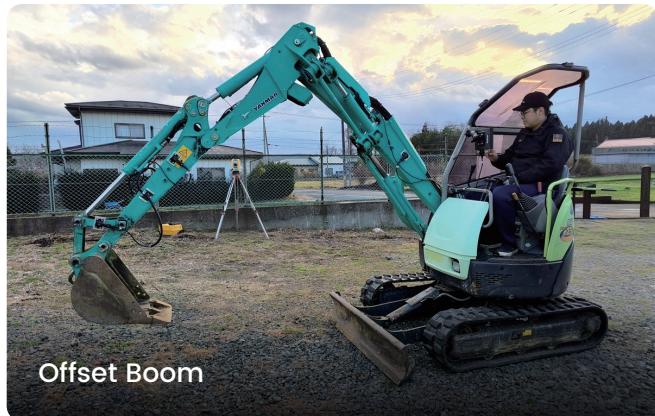
Network  
Transmission

## WIDE COMPATIBILITY

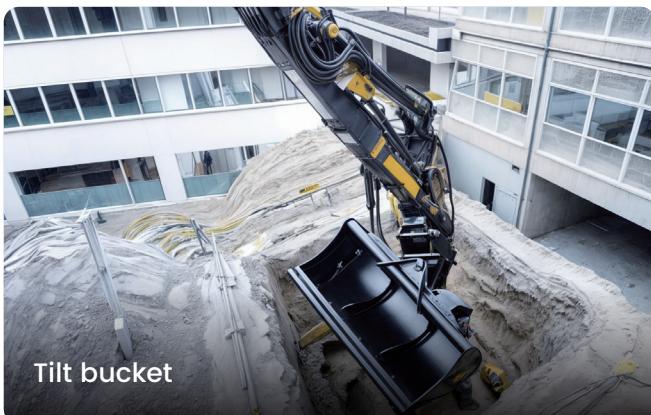
Offer great compatibility with a wide range of excavator models available on the market, ensuring versatility and convenience for various applications.



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

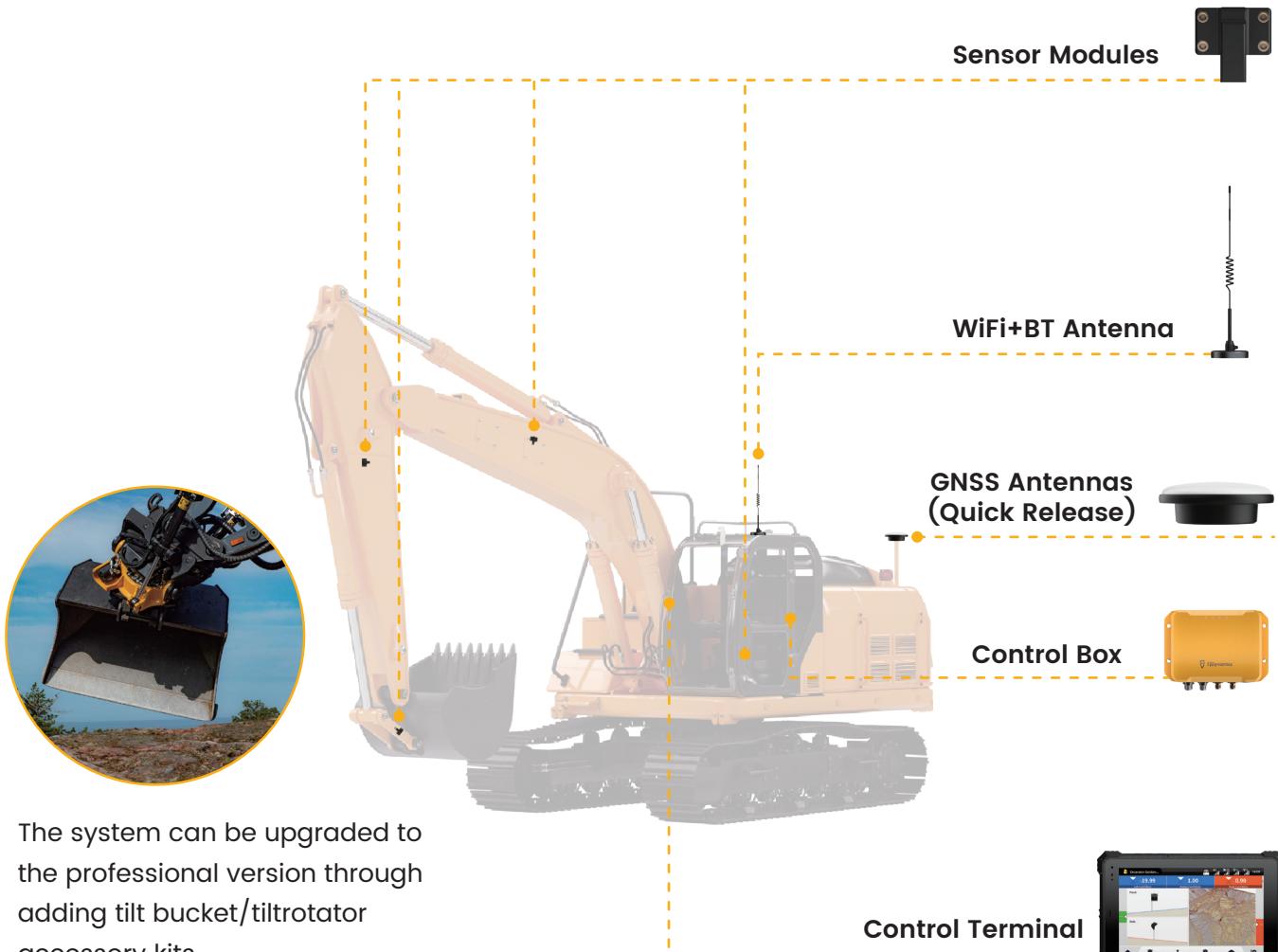
# QUICK SPECS

Accuracy	±3.0 cm
Positioning Satellite	BeiDou / GLONASS / GALILEO / GPS / QZSS / SBAS
<b>Sensor</b>	
IP Rating	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.

Free Quote: [sales.global@fjdynamics.com](mailto:sales.global@fjdynamics.com)  
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