

FJDynamics Autosteering Kit



- **ISOBUS Control Solution**

FJD ISOBUS control solution is a compatible application control that allows software, vehicles and implements to communicate with each other.

- **Terrain Compensation**

Autosteering Kit uses a IMU sensor to calculate the actual position of the vehicle to help minimize skips and overlaps in areas with rolling terrain, slopes, and rough ground.

- **U-turn Auto-driving**

The kit automatically identifies the field edges and makes path planning after importing datum lines. When the vehicle reaches a turning point, the operator only needs to step on the brake, then the vehicle is able to automatically turn around without any manual operation.

- **AI Vision-based Precision Farming (optional)**

- Industry's leading sensor-fusion technology by combining RTK and vision.
- Vehicle guidance using vision-based deep learning, crops and weeds could be differentiated as using vision-based deep learning to reduce the use of fertilizer and herbicide while maximizing yields.

- **Remote Control & Unmanned Mode (optional)**

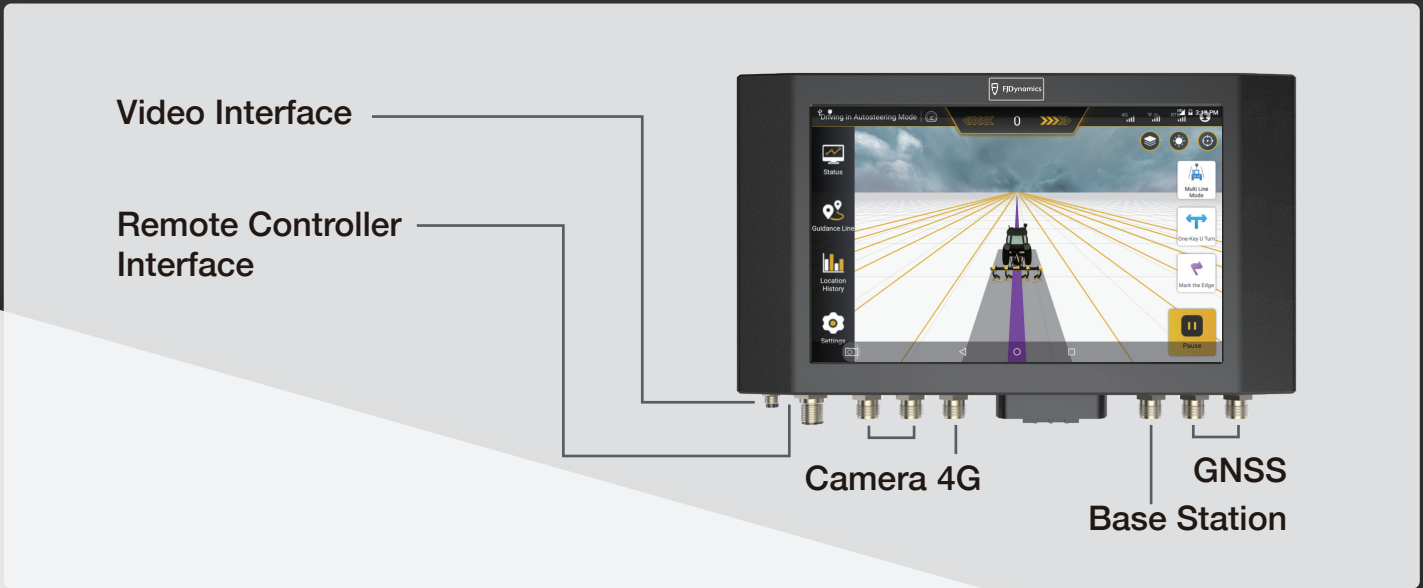
Long-distance wireless remote control and obstacle avoidance enables vehicle to be controlled remotely or to enter fully autonomous mode.

- **Centimeter-level Positioning**

Using satellite signals for precise positioning, the kit can automatically adjust the vehicle's travel direction. Operation accuracy is up to 2.5cm.

- **Extensive Adaptability**

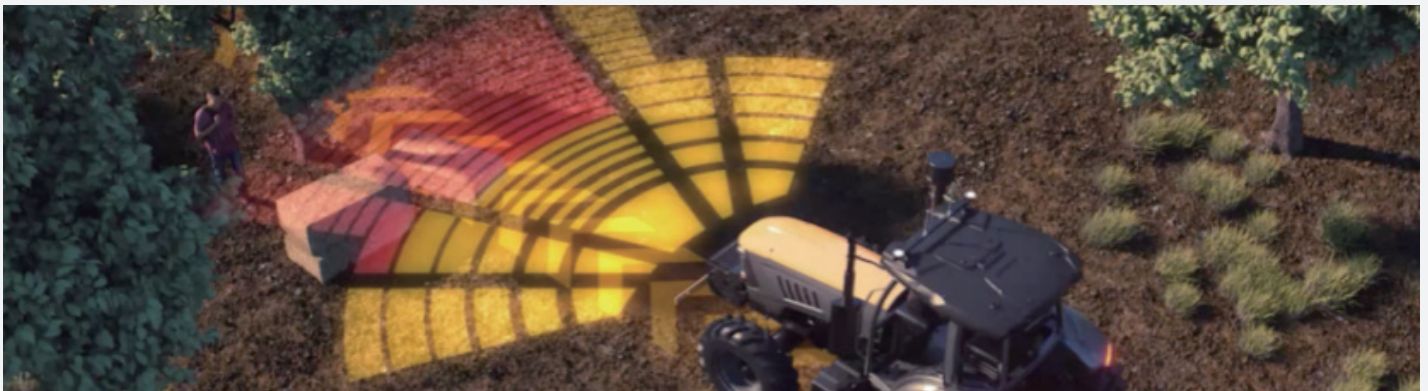
The kit is suitable for various brands of agri-machines and all fieldwork operations.



AI Camera



Unit	Spec.
Model	FJ-A100
Dimension	198mm*100mm*75mm
Weight	812g
Working Temperature	-20°C~70°C
FOV	Horizontal 87.5, vertical 47.5
Upgrade	OTA
Light Detection	√
Online Maintenance	√



In remote control and unmanned modes, millimeter-wavelength radar is activated to identify obstacles and raise the alarm in real time.



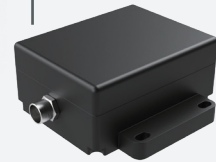
Control Terminal



GNSS Antenna



Electric Steering Wheel



Sensor Modules

Working Scenarios



Item	Unit	Spec.
Control Terminal	Size	300 × 190 × 43mm
	Screen	10.1-inch LCD screen with LED backlight
	/	1280 × 800 pixels
	Power Supply	10V ~ 30V
	Network Module	4G, compatible with 2G / 3G
	Waterproof and Dustproof	IP65
	Operating Temperature	-30 °C ~ + 75 °C
	Storage Temperature	-40 °C ~ + 85 °C
Angle sensor	Waterproof and Dustproof	IP67
	Operating Temperature	-40 °C ~ + 85 °C
IMU	Power Input	5V
Electric Steering Wheel	Power Input	12/24 VDC
	Operating Temperature	-20 °C ~ + 70 °C
	Storage Temperature	-55 °C ~ + 85 °C
GNSS Antenna	Frequency	GPS L1 / L2, GLONASS L1 / L2, BDS B1 / B2 / B3
	Operating Temperature	-40 °C ~ + 85 °C
	Storage Temperature	-55 °C ~ + 85 °C

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The pioneer navigation system for autonomous driving in the world



High compatibility to various types of agricultural vehicles



Centimeter-level positioning accuracy up to 2.5 cm