

$\theta$ : -0.785

$\phi$ : -1.407

N: 3361036.106

E: 539005.580

H: 18.835

$\psi$ : 236.824

$\theta$ : -87.664

$\phi$ : 123.545

$\psi$ : 237.545

N: 3361035.787

E: 539005.819

H: 15.551

# FJDTrion EG10

EXCAVATOR GUIDANCE SYSTEM



# GET MORE DONE, WITH LESS SETUP

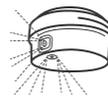
FJD Trion EG10 is a wireless excavator guidance system with 5 cm accuracy. The modular design allows fast transfer between machines, making it suitable for different jobs and crews.



**Accuracy  $\pm 5\text{cm}$**



**Quick Setup**  
5min Installation  
20min Calibration



**Visual Guidance**



**Multi-Purpose**  
Survey & Excavator  
Guidance



**GNSS Supported**  
1408 channels



**Wireless Connectivity**  
BT, Wi-Fi



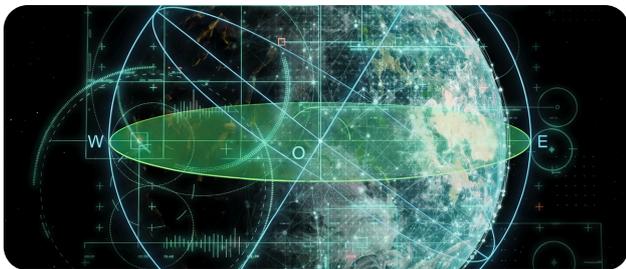
**4G Modem**  
LTE-FDD, LTE-TDD, WCDMA  
GSM/EDGE



**AIoT**  
Interconnected Data,  
Real-Time Updates

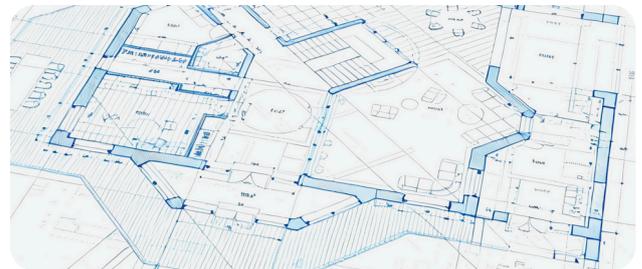
## Global Coordinate Systems

6,000+ predefined coordinate systems worldwide. Quick setup for different regions, without extra configuration.



## Multi-Layer Support

Works with DWG, DXF, SHP, KML, and XML files. Clear layer display for complex project drawings.



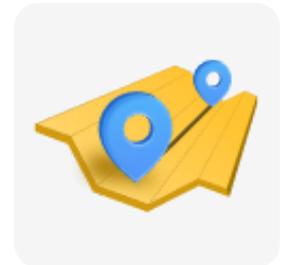
## Leveling

Set a target elevation to keep the surface consistent. Suitable for land leveling, factory sites, and sludge cleanup.



## Line Guidance

Create straight-line elevation guidance in our software. Designed for trenching, slotting, and drainage pipeline work.



## Build Slope

Set longitudinal and cross slopes digitally. Complete slope formation in a single pass for roads and embankments.



## AR Guidance

Overlay design lines and bucket paths on the live camera view.



# SHAPE THE GROUND WITH CERTAINTY. STAY IN CONTROL.



## Device Management

View machine location and status in real time.



## Project Management

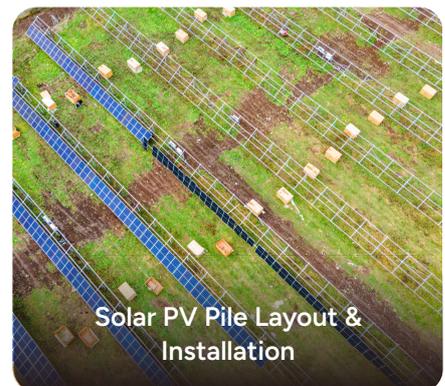
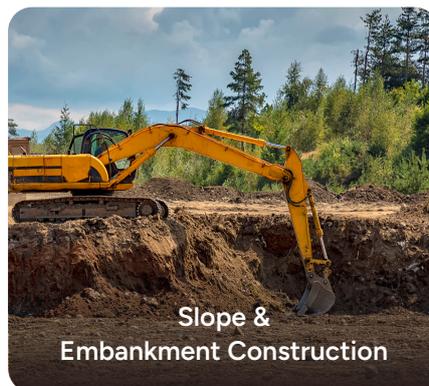
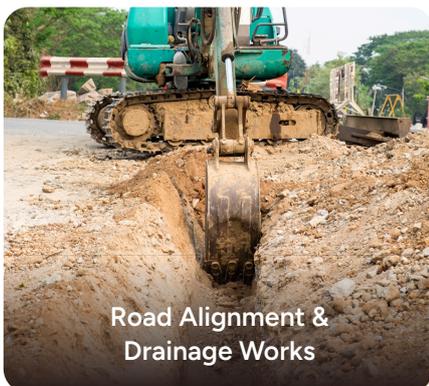
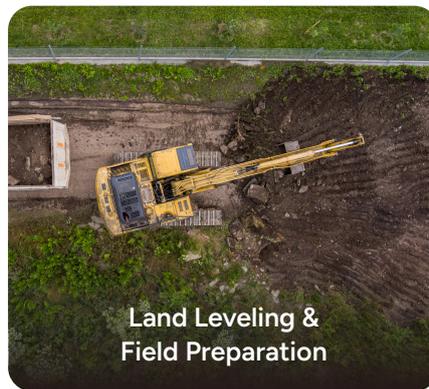
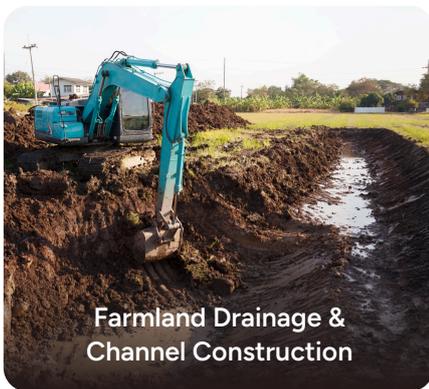
View project progress and resource data in one place. Support schedule tracking and risk monitoring.



## Cross-Team Collaboration

Sync design and field data through the cloud. Keep your office and site workflows aligned.

## HELPS YOU GET IT RIGHT, ANYWHERE



# SPECIFICATIONS

## GNSS Receiver

### GNSS

Channels	1408
GPS	L1C/A, L1C, L2P (Y), L2C, L5
GLONASS	G1, G2, G3
Beidou	B1I, B2I, B3I, B1C, B2a, B2b
Galileo	E1, E5a, E5b, E6
QZSS	L1C/A, L1C, L2C, L5, L6*
SBAS	L1C/A

\*Support by a firmware upgrade.

### Communications and Data Storage

SIM card type	Nano
Network modem	TDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM
Wi-Fi	2.4&5 GHz, 802.11a/b/g/n/actouch pairing
BT	BT4.2 & BLE
Built-in UHF radio	Protocol: TRIMTALK, TRIMMARK III, TT450S, TRANSEOT, Satel 3AS 4FSK, Lora
	Range: typical 6-12 km, up to 16km with optimal conditions <sup>1</sup>
Data formats	Input&Output: NMEA-0183, RTCM3.X; Input: RTCM2.X, CMR
Data storage	32 GB internal memory

<sup>1</sup> Ideal environment

### Camera

Sensor resolution	Forward: 5 MP, downward: 5 MP
Field of view	83°

### Hardware

Temperature	Operating: -35°C to +65°C ; Storage: -40°C to +70°C
Humidity	95% non-condensation
Ingress protection	IP68, dustproof, protected from continuous
Li-ion battery capacity	Built-in battery 4900 mAh, 7.4V & 30 W PD Fast Charge
Operating time on internal battery	Rover 15 h, Base 10 h
External power input	9-28 V DC
Dimensions (DxH)	130x68 mm
Weight	Approximately 800g
Tilt sensor	Immune to magnetic disturbances

Note: The battery life is subject to the operation environment working temperature, and working mode. It has a standard lifespan in normal operating conditions.

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

## IMU

Base Dimensions	139.3x40x14mm (LxWxT)
IMU Dimensions	100x52x52 mm (LxWxH)
Battery	3.7 V / 7000 mAh
Operating Time	24 hours continuous operation; up to 72h typical use
Operating Temperature	-40°C to +85°C
Gyroscope Resolution	0.0076 °/s
Accelerometer Resolution	0.0916 mg
BT Protocol	BLE 5.1
Ingress protection	IP67
Temperature	Operating: -40°C to +55°C Storage: -40°C to +85°C

## Tablet T10

ROM+RAM	4GB+64GB
Operating system	Android 15
Wi-Fi	2.4GHz/5.8GHz, IEEE802.11 a/b/g/n/ac
BT	BT5.0 & BLE, Range: 5-10 m
Product size	251 x 170 x 17 mm
Weight	<700g
Display screen	10 inches, IPS 1280 x 800
Hybrid slot	SIM x 1, SIM/TF x1
Connectivity	USB Type-C with OTG support
Temperature	Operating: -20°C to +55°C ; Storage: -40°C to +70°C
Humidity	95% non-condensation
IP Rating	IP66, dustproof, protected from continuous

## GNSS Receiver Installation Kit

Length	201.5 mm
Width	203.5 mm
Weight	0.787 kg



**Build on Precision, From Vision to Reality**

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