

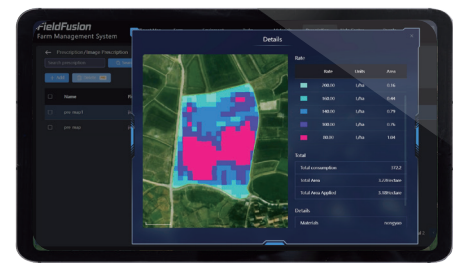
FieldFusion × FJD Trion™ V4E Combo

Efficient Farming Solution:
Mark Right, Manage Smart.

FieldFusion

YOUR GUIDE IN PRECISION AG

Digitize farm data and collect IoT information for smarter decision-making, increasing farming productivity and profitability.



FJD Trion™ V4E

HANDHELD MINI RTK RECEIVER

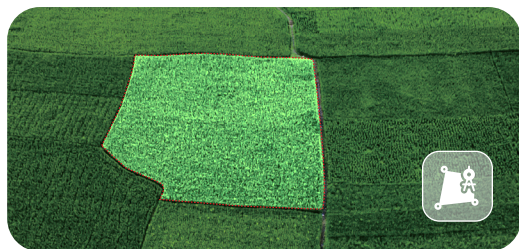
Collect field data quickly without driving a tractor on site to help with farm activities.



FieldFusion × V4E

Precise Water Outlet Positioning in Irrigation Season

V4E locates buried water outlets with $\pm 5\text{cm}$ accuracy. Before burying water outlets, you quickly map them with V4E and save location data on FieldFusion. During irrigation season, you can find them with one-click operation, saving time and effort while preventing pipe damage and conserving water.



Worry-Free Boundary Confirmation for Clear Ownership

V4E records your field's boundaries with $\pm 1.5\text{cm}$ positioning accuracy. It saves a history of data on FieldFusion, giving you proof of your land's exact boundaries. This helps you avoid disputes and manage your farm with peace of mind.

FieldFusion × V4E × Autosteering Kit

Accurate Object Marking for Enhanced Safety

V4E can quickly mark objects and sync the data instantly to FieldFusion. When your tractor gets close to a marked object, the autosteering system will automatically warn you and guide the vehicle around it. This makes your work safer and more efficient.



Easier Creation of Boundaries and Guidance Lines

V4E can quickly and easily map your field's boundaries at centimeter-level accuracy without a tractor, saving on fuel and time. This high-precision data is then synced to FieldFusion, where you can create guidance lines for your farm. Once your plan is ready, you can send these jobs to your autosteering kit for quick autonomous operation.

QUICK SPECS

GNSS System

BDS	B1I, B2I, B3I, B1C, B2a, B2b*
GPS	L1C/A, L2P, L5
GLONASS	G1, G2
Galileo	E1, E5b, E5a, E6*
QZSS	L1, L2, L5
SBAS	L1C/A

Channel

Parallel Channels	1408
-------------------	------

Electrical and Interface Specs

Electrical Interface	USB 2.0 Type-C
Charging Time	$\leq 3\text{h}$
Battery Life	$\geq 12\text{h}$

Precision and Reliability

Data Update Rate	Measurement & Positioning: 1Hz, 2Hz, 5Hz, 10Hz, 15Hz, 20Hz
Time to First Fix	Cold start $\leq 30\text{s}$ Hot start $\leq 5\text{s}$
RTK (RMS)	H $\leq 0.8\text{ cm} + 1\text{ ppm}$, V $\leq 1.5\text{ cm} + 1\text{ ppm}$
Laser Tilt Measurement	3D error at 3m distance measurement $\leq 3\text{cm}$ (tilt angle $\leq 30^\circ$) (V4E PRO)

Communication

Bluetooth 4.0	Dual-mode Bluetooth Working distance: 5m
---------------	---

Physical Characteristics

IP Rating	IP67
-----------	------