TECHNICAL SPECIFICATIONS

Receiver	
GPS	L1 /L2/L5
GLONASS	L1/L2
Galileo	E1/E5a/E5b
BDS	B1/B2/B3
Accuracy（RTK）	Horizontal:±8 mm + 1ppm RMS Vertical: ±15 mm + 1 ppm RMS
Working temperature	-20℃~+70℃
Storage temperature	-40℃~+80℃
Size	159*56 mm
Network	2G/3G/4G
Dust and Waterproof	IP69K

Display	
Screen	10.1′
Resolution	1024*600
Brightness	750nits
I/O	2*CAN，2*RS232
Communication	4G，2.4G WiFi，BT4.0, USB*1
Power Supply	（9-36）VDC
Dimensions	281*181*42mm
Working Temperature	-20℃~+70℃
Storage Temperature	-40℃~+85℃
Dust and Waterproof	IP65

Camera	
Power	DC12V±5%
Angles	120°
Pixel	1280 (H) *720(V)
Dust and Waterproof	IP65
Working temperature	-20℃-+70℃
Storage temperature	-40℃-+80℃

Electric Steering Wheel	
Rated Torque	7.5N.m
Max RPM	180RPM
Rated Current	15A
I/O	1*CAN
Power Supply	（9-32）VDC
Dimensions of Motor	165mm× 80.5mm
Dimensions of Steer Wheel	D: 410mm
Working Temperature	-20℃~＋70℃
Storage Temperature	-40℃~+85℃
Dust and Waterproof	IP65

*Specifications are subject to change without notice.

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eSteer 10
Auto Steering System

Receiver

Display

Camera

Electric Steering Wheel

The eSteer 10 system features an all-in-one controller that integrates a 4G module, IMU sensor and GNSS module, making it easy to install and transfer between vehicles. No additional wheel angle sensor is required for the eSteer 10, further enhancing its ease of installation.

The system provides industry-standard RTK accuracy and features a combined GNSS and INS terrain compensation technology that ensures 2.5 cm pass-to-pass accuracy, even in difficult agricultural landscapes. Such accuracy and precision are valuable for a variety of farming activities such as trenching, planting and harvesting. By eliminating overlap and skips, the eSteer 10 system saves fuel, seed and time while increasing yields.

Superior Performance

When it comes to farming, precision is key. With eSteer 10, you can rest assured that your farming operations will be accurate and efficient. Our system easily maintains a pass-to-pass accuracy of 2.5 cm at speeds ranging from 0.2 to 25 km/h, making it a versatile and reliable solution for activities such as seeding, planting, spraying, trenching and land preparation.

Versatile and Powerful

eSteer 10 is designed to meet the diverse needs of modern farming operations. Our electric assisted steering system is versatile and compatible with a variety of guidance patterns including AB straight line, A+ line, two type curve line, irregular rake line and 90-degree line. You can always find the pattern that suits your needs. In addition, eSteer 10 can support different types of vehicles, including front-wheel steering, rear-wheel steering, articulated or tracked types.

Easy to install, Easy to use

Everything about eSteer 10 is designed to be easy to use, from installation to operation. With its highly integrated design, our electric steering system is quick and simple to install. Our system features one-click calibration and one-button power on/off to streamline the setup process. The software is also intuitive and user-friendly, with common functions that can be activated in just 2-3 steps, allowing users to start using the system quickly and learn it on the go.

More Capabilities

eSteer 10 gives you access to a number of additional features that enhance its performance.

- ISOBUS UT support for seamless communication with other ISOBUS-compatible equipment.
- Support for an external radio to receive RTK corrections in UHF mode, allowing connectivity to a GNSS base station.
- Support for a wheel angle sensor mode when needed for specific farming operations, adding flexibility to the system.