TECHNICAL SPECIFICATIONS

Tablet	
Screen Size	10.1 inches
Resolution	1280 × 800 pixels
Brightness	750 nits
Communications	WiFi 2.4G: 2.400~2.4835 GHz WiFi 5G: 5.150~5.850 GHz Bluetooth 4.2
Weight	1.5 kg
Cellular	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 UMTS: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8
Dimensions (W × H × D)	249 × 167.5 × 41 mm
GNSS	GLONASS L1/L2
Operating System	Android 11
Power	9–36 V DC
Working Temperature	-20°C to +70°C

Receiver	
GNSS	BDS: B1I, B2I, B3I,B1c,B2a,B2b GPS：L1C/A, L2P(Y)/L2C, L5 GLONASS：G1, G2 Galileo：E1, E5a, E5b, E6 QZSS：L1, L2, L5 L-Band
GNSS Mode	SPP, DGPS, RTK, E-PPP, H-PPP, SkyTrix（EFIX-PPP）
Accuracy（RTK）	Horizontal:±8mm + 1ppm RMS Vertical: ±15 mm + 1 ppm RMS
Accuracy（SkyTrix）	Horizontal: ±2.5cm（CEP95） Vertical: ±5cm（RMS） Convergence: <5min
Cellular	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 UMTS: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8
Radio	CHC、TT450、Transparent、SATEL
Power Supply	9–36 V DC
Dimensions (W × H × D)	208 × 191 × 73 mm
Working Temperature	-20℃~+70℃
Storage Temperature	-40℃~+85℃
Dustproof and Waterproof	IP67

Electric Steering Wheel	
Motor Type	Torque Motor
Rated Torque	7 N·m
Max RPM	180 RPM
Rated RPM	120 RPM
Rated Current	15A
Peak Current	38A
I/O	1*CAN / Tractor horn
Power Supply	9–36 V DC
Dimensions of Motor	ϕ165*58
Weight（Motor）	≤3.8Kg
Dimensions of Steer Wheel	D: 400mm/360mm
Working Temperature	-25℃~+70℃
Storage Temperature	-40℃~+85℃
Dustproof and Waterproof	IP65

Camera	
Resolution	1920 × 1080 pixels
Video Output Interface	AHD
White Balance	Automatic
Exposure Control	Automatic
Field of View	150°
Signal to Noise Ratio	>52dB（AGC OFF）
Working Temperature	-20℃~+70℃
Dustproof and Waterproof	IP67

*Specifications are subject to change without notice.



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EFIX

eSteer20
Auto Steering System



The eSteer20 Auto Steering System represents the next generation of automated steering solutions, driven by SkyTrix, the satellite-based correction service of EFIX. Utilizing EFIX's proprietary PPP services, the eSteer20 MAX delivers exceptional accuracy of ±2.5 cm, even in remote areas without network access, making it ideal for precision farming applications. The system is designed with a lighter and thinner motor for the driving wheel, optimizing cab space and enhancing operator comfort. Additionally, its industrial-grade 12-inch high-definition display and powerful ESNav software, improves usability by streamlining operational workflows for enhanced efficiency and ease of operation.

Comprehensive GNSS Mode Support for Reliable Positioning

The eSteer20 is equipped to operate with a diverse range of GNSS modes, ensuring accurate and reliable positioning under varying conditions. Compatible with SPP, DGPS, RTK, E-PPP, H-PPP (Galileo E6-HAS), and EFIX-PPP (EFIX's proprietary PPP), the eSteer20 provides unmatched flexibility to meet the demands of modern precision agriculture. Each GNSS mode enhances system accuracy and stability, ensuring consistent ±2.5 cm precision across all farming operations, even in challenging environments with limited network connectivity. This multi-mode capability enables the eSteer20 to adapt to regional GNSS infrastructure and field conditions, empowering farmers with seamless navigation and optimal performance in any location.

Exceptional Performance Across All Speeds

The eSteer20 is engineered for superior accuracy across a full operational speed range, from 0.1 to 30 km/h. This flexibility ensures a high-precision performance at ±2.5 cm, no matter the speed or task. The system seamlessly adapts to various farming operations, including seeding, spraying, ditching, and land preparation, delivering consistent precision essential for optimal crop management and resource efficiency.

Versatile Guideline and U-turn Options for Any Terrain

The eSteer20 offers a diverse array of guideline modes to handle a wide range of operational scenarios and field layouts. With support for multiple steering paths, including AB line, A+ line, curve, circular curve, irregular rake line, 90-degree line, boxed line, all-path line, and path-planning line, and flexible U-turn modes including skipping U-turn, curve U-turn, boundary U-turn and headland U-turn, the eSteer20 ensures adaptability for any farming task. This extensive selection enables seamless navigation across complex or irregular field shapes, empowering farmers with the flexibility needed for diverse agricultural landscapes.

Broad Compatibility Across Vehicle Types

The eSteer20 is designed with extensive compatibility to accommodate a wide array of agricultural vehicles. It seamlessly integrates with front-wheel steering, rear-wheel steering, articulated vehicles, tracked machinery, rice transplanters, and self-propelled sprayers. This versatility allows farmers to implement high-precision automated steering across diverse equipment types, enabling efficient operation regardless of the vehicle's design or steering configuration, which maximizes operational flexibility across entire fleet.

User-Friendly Interface for Quick and Easy Operation

The eSteer20 is designed with an intuitive, user-friendly interface that enables seamless operation with minimal steps, allowing users to get started quickly and efficiently. This streamlined interface significantly reduces the learning curve, making it accessible even for operators with minimal training. The straightforward navigation, coupled with clear icons and a customizable interface, ensures that users can access essential features effortlessly, maximizing productivity and minimizing downtime.