▽ SPECIFICATIONS

GNSS Antenna

Tablet Display

Antenna Size
Φ 152 × 62.2 mm

Weight
≤400 g

Frequency
GPS: L1/L2/L5   BDS: B1/B2/B3 GLONASS: L1/L2/L3 GALILEO: E1/E5a/E5b/E6 QZSS: L1/L2/L5/L6 IRNSS: L5   L-Band

RTK Positioning Accuracy (RMS)	System
Horizontal: 8 mm + 1 ppm Vertical: 15 mm + 1 ppm Initialization Time: <5 S (typical) Initialization Reliability: >99.9% First Fix Time: <30 s	8-core, 2 GHz 2 G RAM 32 GB ROM Android 12.0

Electrical	Communications
Power Supply:9–36 V DC	2.4 GHz WiFi, IEEE 802.11a/b/g/n/ac Supports Wi-Fi hotspot sharing BLE 4.2 4G/LTE Built-in microphone (optional) Built-in speaker CAN * 2 RS-232 * 2 RS-485 * 1 DI * 2, DO * 2 USB 2.0 * 1 12 VDC OUT * 1

Physical
Dimensions: 284.7 × 204 × 49.5 mm Weight: 1.7 kg

Display
Size: 10.1 inches Resolution: 1280 x 800 p Brightness: 750 nits Haptic Touch: Supports 10-point touch

Environment
Ingress Protection Rating: IP67

GNSS Antenna

Tablet Display

AF100
Assisted Guidance System

A Cost-Effective Agricultural Automated Solution
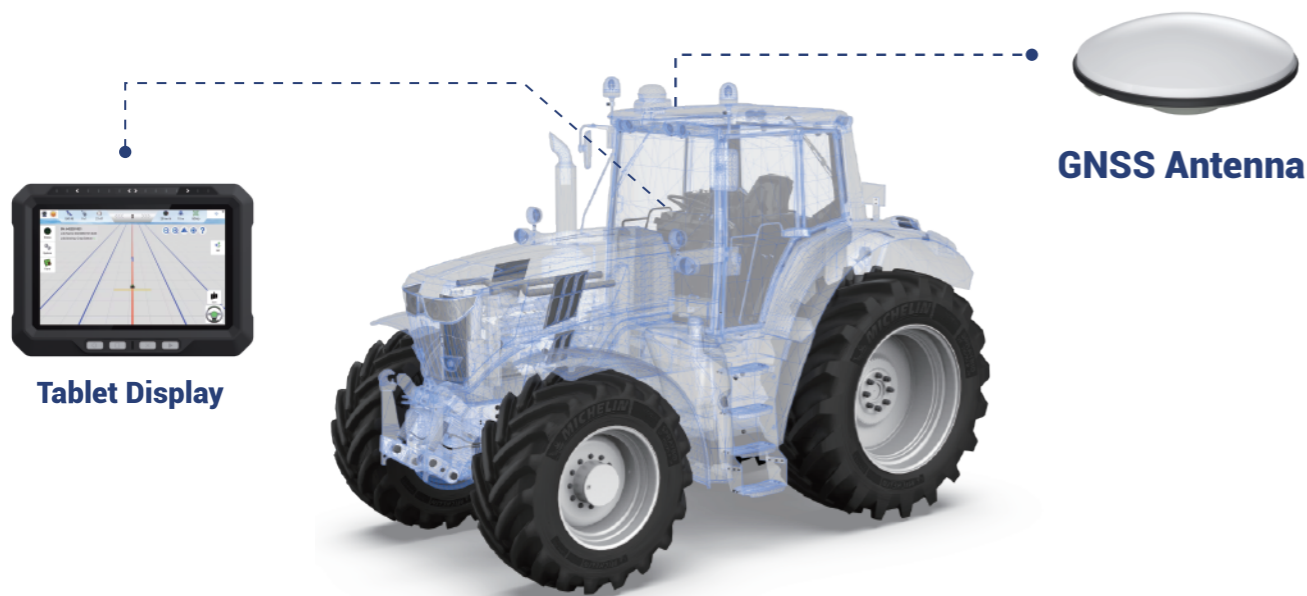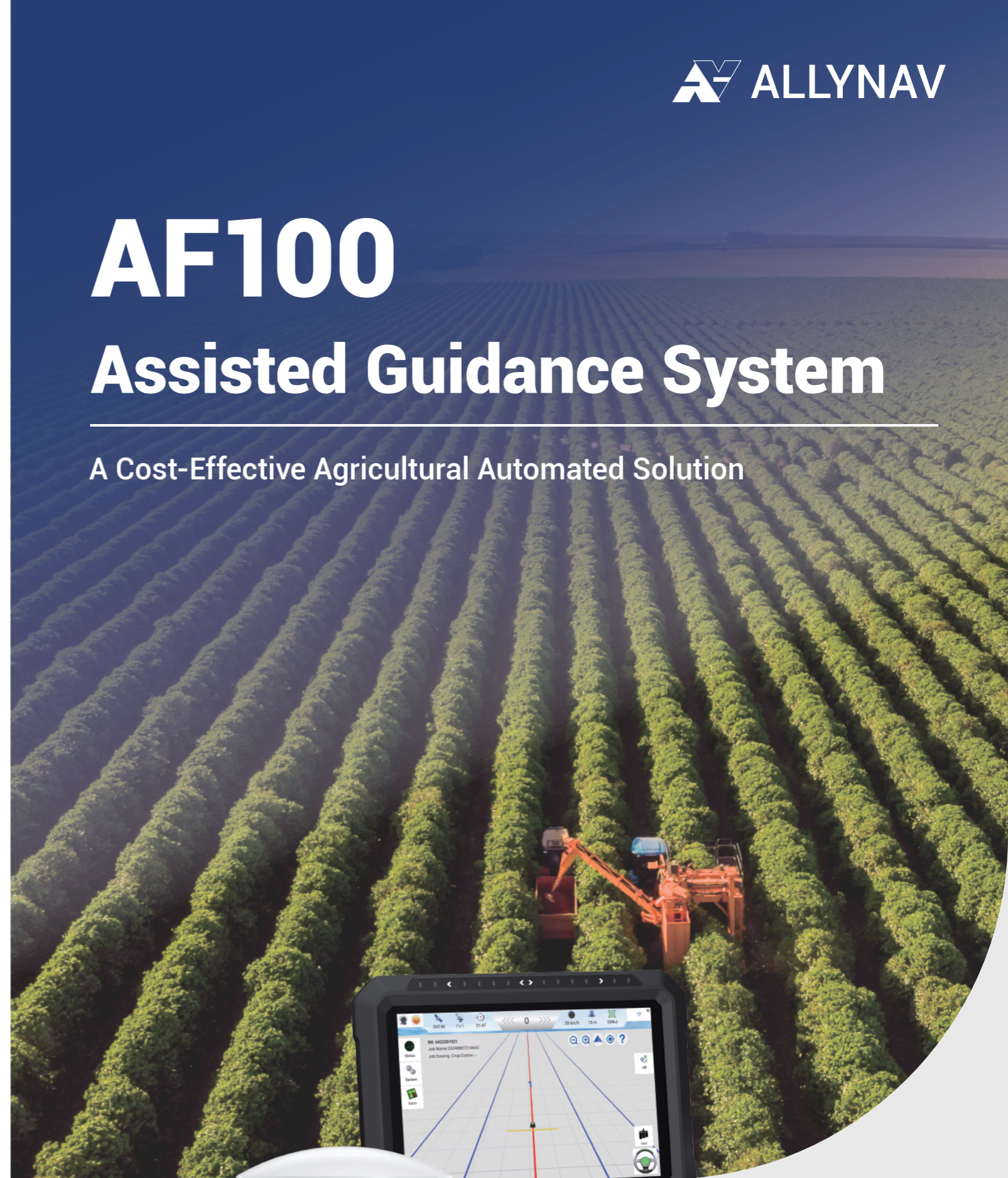
WHY CHOOSE THE ALLYNAV AF100 ASSISTED GUIDANCE SYSTEM?

USER-FRIENDLY INTERFACE

EXTENSIVE EXPANDABILITY
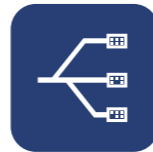
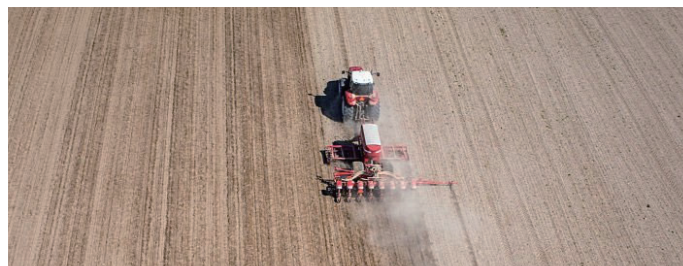ISOBUS COMPATIBILITY

ADVANCED CORRECTION SERVICES

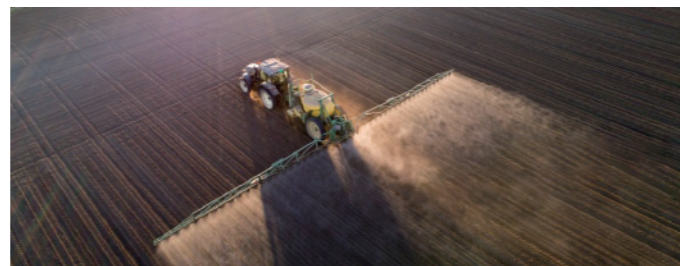PRECISION ACCURACY OF ±2.5 CM

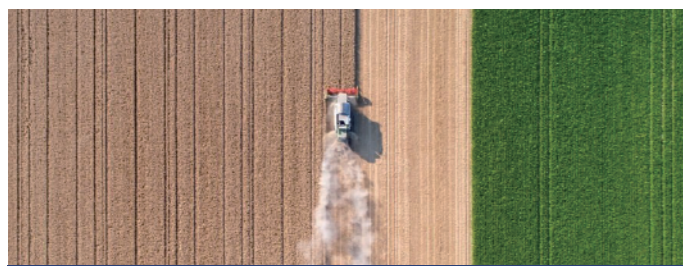ALLYNAV MULTI-PLATFORM INTEROPERABILITY

CORE APPLICATIONS

PRECISION PLANTING

EFFICIENT SPRAYING

HARVESTING

TILLAGE AND SOIL PREPARATION

FEATURES

Extensive Expandability

Seamless integration with ISOBUS and multiple interfaces allow for easy expansion to cover all farming operations with just one machine, from tilling to harvesting.The system's design upgrades automated driving while reducing costs and complexity through high integration and fewer components.

User-Friendly Interface

Hardware installation is straightforward, and the software interface is designed to be clear and intuitive. It provides real-time information display and allows for one-click switching between operation modes. The system supports various navigation types, including straight lines, curves, and A+ guidance lines, making operation even more convenient.

Advanced Correction Services Supports High Accuracy Positioning

This system uses advanced Network RTK technology that includes breakpoint continuation, allowing it to function normally for up to 10 minutes even if differential data is temporarily unavailable. It achieves straight-line accuracy of ±2.5 cm and curve accuracy of ±5 cm, ensuring continuous, precise operation without deviation. This technology provides reliable performance, giving users peace of mind during their tasks.
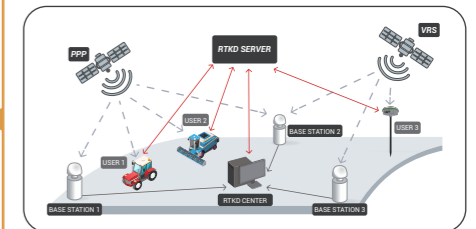
AllyNav Multi-Platform Interoperability

Work data is stored securely in the cloud, allowing for easy sharing across multiple vehicles. The system supports remote adjustments, troubleshooting, and remote software upgrades. If the power is off, it can resume operations using stored data, thus eliminating the need to restart the task from the beginning.