

# SAGRO 10

## GUIDANCE SYSTEM

Your Gateway to Smart Farming, Effortless Transition to Advanced Autosteer

# MORE PRECISE MORE PRODUCTIVE



### CENTIMETER-LEVEL ACCURACY

Embedded with high precision GNSS module in T10 display & control terminal, partnered with SA100 geodetic antenna, the SAGRO10 GNSS guidance system can synchronously track all running and planned constellations, including GPS, BeiDou, GLONASS, Galileo and QZSS, providing centimeter-level accuracy for precision farming. With high navigation accuracy, SAGRO10 can largely facilitate the field work of users and offer higher productivity.

### SMART WORK MANAGEMENT

The SAGRO10 GNSS guidance system provides software that can intelligently manage the working field and simplify the operation of users, including the recording of the completed work area, the planning and navigation of the work route, etc., which greatly reduces manual mistakes and improves work efficiency.

### EASY INSTALLATION & UPGRADE

The SAGRO10 system is compatible with most agricultural tractors and can be easily installed within 20 minutes. Moreover, on the basis of keeping all components of SAGRO10 guidance system unchanged, users can only upgrade it into an auto-steering system by adding several components, freeing your hands and improving work efficiency.

## GUIDANCE PERFORMANCE

Pass to Pass Accuracy	≤30CM
-----------------------	-------

## T10 Plus GNSS Tablet



## GNSS

Channel	1408
GPS	L1C/A, L2P (Y), L2C, L5
GLONASS	G1, G2
BDS	B1I, B2I, B3I
Galileo	E1, E5a, E5b
QZSS	L1, L2, L5
RTK Accuracy	H: 8mm+1ppm V: 15mm+1ppm

## COMMUNICATION

WIFI	IEEE 802.11 a/b/g/n/ac/r, 2.4G&5G
4G	- LTE Band 4G: B1/2/3/4/5/12/7/8/ 17/19/20/34/39/40 /26/25/28/38/41 - UMTS: B1/2/4/5/8 - GSM: B2/B3/B5/B8
Bluetooth	V5.0, support BLE
Radio	- Frequency range: 410~470MHz - Working mode: half-duplex - Channel spacing: • GFSK mode: 12.5KHZ, 25KHZ • LORA mode: 250KHz - Modulation: GMSK, 4FSK, GFSK, etc. - Power consumption: • Transmit high power: 6W @3.3V DC • Receive mode: 0.5W@3.3V DC • Whole machine standby: 0.5W@ 3.3V DC
Interface	- RS232*2 - RS485*1 - CAN*2 - USB2.0*1 - DI*2, DO*2 - 12VDCOUT*1 - Analog camera input*4

## SYSTEM

Operation System	Android 10.0
CPU	Octa-Core 2GHZ
RAM	2GB
ROM	16GB

## DISPLAY

LCD	10.1" HD
Brightness	750Nits, sunlight readable
Resolution	1280×800 pixels
Touch Panel	Capacitive screen

## ENVIRONMENTAL

Waterproof & dustproof	IP67
Operating temperature	-20 °C to + 60 °C
Storage temperature	-40 °C to + 70 °C

## ELECTRICAL &amp; PHYSICAL

Input voltage	DC 6~36V
Power consumption	≤ 12.0W
Weight	1.7 Kg

## SA102 GNSS Antenna



Frequency Range	GPS: L1, L2, L5 GLONASS: L1, L2 BeiDou: B1, B2, B3 Galileo: E1, E5a/E5b, AltBoc L-Band SBAS
LNA Gain	40dB
Dimension	Φ150×58.4mm
Connector	TNC Female
Weight	≤400g
Mounting Configuration	5/8"x 11 Threaded
Operating Temperature	-40°C to +85°C (-40 °F to 185 °F)
Environmentally Sealed Type	IP67

## Standard Package

T10 GNSS Tablet	×1
SA100 GNSS Antenna	×1
SAgro10 Guidance Software	×1
4G Antenna	×1
RAM Bracket, Sucker	×1
Power Switch	×1
Data Transmission Cable	×1
Power cable	×1
GNSS antenna cable	×1

## HOW TO UPGRADE TO AUTOSTEER SYSTEM?

SEM1/SEM2 Electric Motor	×1
Spline Sleeve	×1
Gyroscope	×2
Related Cables & Accessories	×1 set

All specifications are subject to change without notice.

©2025 SingularXYZ Intelligent Technology Ltd. All rights reserved. SingularXYZ<sup>®</sup> is the official trademark of SingularXYZ Intelligent Technology Ltd., registered in People's Republic of China, EU. All other trademarks are the property of their respective owners.