

MASKURA AUTOMATITC

Automatic steering system

Free up your time

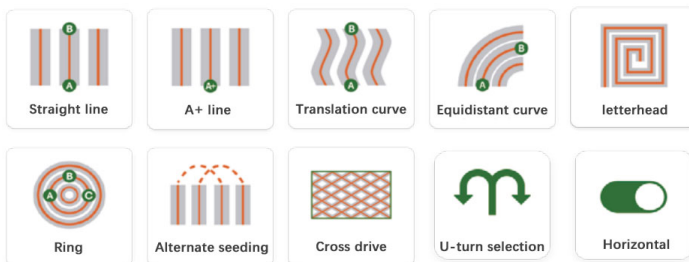


MASKURA

Automatic steering system

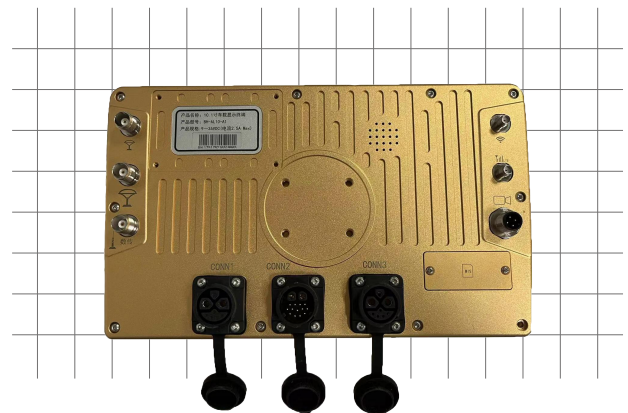
Feature

- ▲ $\pm 2.5\text{cm}$ Steering accuracy
- ▲ Easy installation in 30 minutes
- ▲ Simple calibration in 15 minutes
- ▲ High torque does not heat
- ▲ Suitable for a variety of agricultural work
- ▲ Suitable for a variety of machinery
- ▲ Supports multiple operation modes



Control tablet

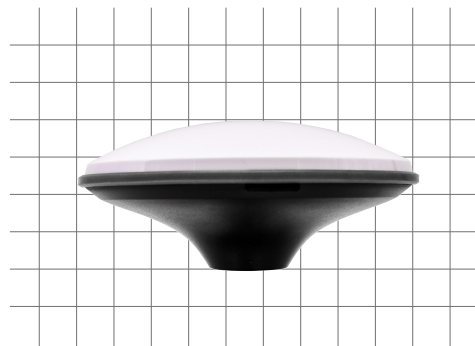
10.1-inch touch screen, bright light is still visible; Outstanding material, waterproof, dustproof, seismic, durable. Support 4g, lora Bluetooth, wifi can be connected to cots or lora base station





Car GNSS antenna

SALL constellations including GPS-GLONASS, Beidou, Galileo and QZSS can be tracked simultaneously, providing reliable positioning data. With its shock resistance and -IP67 protection rating, it is suitable for precision agriculture related applications.



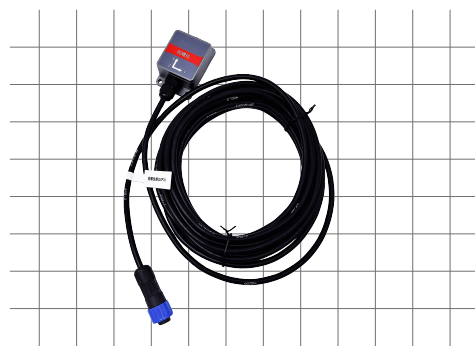
Motor steering wheel

Adjust direction automatically according to system instructions. In the automatic driving mode, it can accurately control the wheel Angle for steering and driving operation to ensure the stable running of the vehicle



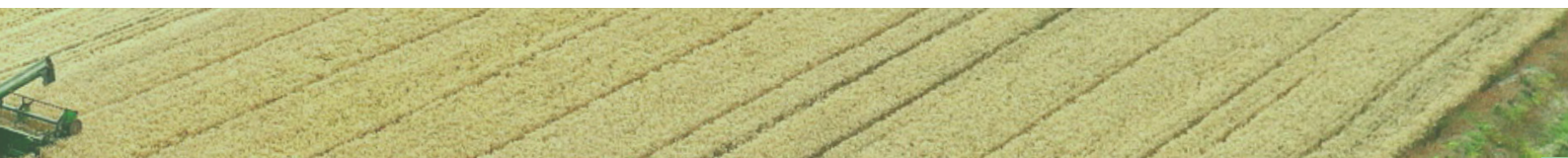
Gyroscope + Angle sensor

Real-time monitoring of wheel rotation Angle provides accurate data for vehicle steering control to ensure that the vehicle is traveling on a predetermined route



Base station

High quality metal visual display base station, using lora technology, stable signal transmission, high quality work, strong heat dissipation, stable work



Automatic steering system

Steering performance

Steering accuracy	± 2.5cm
Working mode	Straight line, curve, U-bend, enclosure, path

Contro Tablet

GNSS parameter

GPS	L1, L2
GLONASS	L1, L2
BDS	B1, B2
Galileo	E1, E5b
QZSS	L1, L5
SBAS	WAAS, EGNOS, MSAS, GAGAN
RTK accuracy	V: 10mm+1ppm H: 15mm+1ppm
Data format	RTCM V2.3/3.0/3.2, NMEA0183
Data output rate	50Hz

System configuration

Operating system	Android 6.0
CPU	Quad-core 1.5GHZ
Storage space	2GB RAM+16GB ROM
Memory expansion	Support TF card expansion, up to 64GB

Display

Screen	10.1-inch sun-visible capacitive touch display
Resolution	1024 x 600 pixels

Communication parameter

WIFI	2.4GHz IEEE 802.11 a/b/g/n
4G	FDD-LTE (Band 800 / 1800 / 2100 / 2600 MHz) TD-LTE (Band 1900 / 2300 / 2500 / 2600 MHz) WCDMA (Band 850 / 900 / 1900 / 2100 MHz) GSM/GPRS/EDGE (Band 850 / 900 / 1800 / 1900 MHz)
Bluetooth	V4.1
USB interface	2×USB2.0 (Host & Debug)
Ethernet	1×RJ45(100M Ethernet)
Button	2×Button (Resetting)

Electrical parameter

Input voltage	9-36 VDC
Power dissipation	≤4.5W

Physical parameter

dimension	256×156×42mm
weight	1.68 Kg

Environmental parameter

Waterproof	IP65
Fall test	Resist 0.5m drop
Operating temperature	-20 °C ~ + 70 °C (-4 °F ~ 158 °F)
Storage temperature	-40 °C ~ + 85 °C (-40 °F ~ 185 °F)
Humidness	100% non-condensing

Car GNSS antenna

Satellite signal	GPS: L1, L2, L5 GLONASS: L1, L2 BDS: B1, B2, B3 Galileo: E1, E5a/E5b, AltBoc L-Band SBAS
LNA gain	40dB
Dimension	Φ152x62.2mm
Joint form	TNC female head
Weight	374g
Base structure	5/8"x 11 Screw hole
Operating temperature	-40°C ~ +85°C (-40 °F ~ 185 °F)
Class of protection	IP67

Base station

Working mode	LORA launch
Frequency	410-470 MHz
Power source	2W
Agreement	LORA
Channel spacing	12.5Khz
Input voltage	6-28 VDC
Power dissipation	≤4.5W
Operating temperature	-40 °C ~ + 70 °C (-40 °F ~ 158 °F)
Storage temperature	100%non-condensing
Class of protection	IP67
Fall test	Resistance to 1m drop

Other options

Control tablet	15 inches
Camera	1~4
Handheld controller	Bluetooth or wired

Standard configuration

Tablet computer	×1
Electric steering wheel	×1
Gyroscope	×1
GNSS Antenna	×2
Angle sensor	×1
4G Antenna	×1
Base station	×1
Other accessories	×1

Navigation automatic driving system sincerely invites agents and distributors in various countries, More than 5 sets support LOGO customization