Multi-function Smart Robot

Features and Benefits

- Adopt 4-wheel 4WD drive mode to provide larger output torque, increase climbing ability and can turn in place
- Universal chassis structure design to realize free replacement of wheel and crawler; wheel type can provide faster movement speed; crawler type can adapt to more complex road surfaces such as mud and sand to achieve greater dragging force and pass-ability; richer applicable scenes
- Adopt 3D laser SLAM navigation, combined with 2D laser point cloud obstacle avoidance, to realize high-precision and high-safety autonomous inspection operation
- The head can be lifted and lowered to cope with complex site environment
- Equipped with explosion-proof wireless charging function components to improve the convenience, reliability and safety of autonomous charging
- Equipped with visual, auditory and various sensors, with intelligent identification algorithms, all-round coverage of various detection needs



Specification

Chassis (mm)	1250 X 920
Height(mm)	1200
Weight(kg)	350
Navigation	3D laser radar SLAM & IMU Posture correction
Obstacle Avoidance	2D LiDAR point cloud obstacle avoidance
Drive	4 drive
Turning Radius	Rotate in place
Max. Covering(m^2)	400 thousand
Protection Level	IP66
EP Level	Exd IIB T4 G
Max. Speed(m/s)	Wheel 1.5 Track 0.7
Endurance(hrs)	6
Repeat Position Accuracy(mm)	±20
Continuous Wading Depth(mm)	100
Power(W)	800
Battery	Lithium iron phosphate
Charging	Wireless Charging
Temp(°C)	-40 to +60
Communication	WIFI, 4G, 5G