

Explosion proof fire reconnaissance robot



RXR-C6BD

Product overview

This product is an intelligent fire-fighting robot designed and produced in accordance with GB3836-2010 explosion-proof standard. It can replace the fire rescue personnel to enter the scene of flammable, explosive, toxic, oxygen deficient, smoke and other dangerous disasters for reconnaissance, and effectively solve the personal safety faced by the fire rescue personnel in the above places. Simple body design, more stable, with high-power DC reduction motor to make obstacles particularly simple.

Products function

- **Explosion-proof grade:** Exdibn B+H₂T6Gb
- **PTZ:** Monitor the surrounding environment of the robot 360 degrees without dead corners.
- **Image acquisition:** 3 channel collect the images around the robot body and upload to control center in real time
- **Sound acquisition:** Pick up the sound around the robot body
- **Audible and visual alarm:** Be audible and visual alarm when robot working
- **Automatic obstacle avoidance:** Detect obstacles in front of you when moving to avoid collision
- **Gas collection:** Detect the concentration of toxic and harmful gases at the fire site and give an alarm
- **Temperature humidity detection:** detect the temperature and humidity around the robot body



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Technical parameter

Chassis configuration parameters			
Dimension size	W 1584*907*1413mm	Lift up height	> 1922 mm
Total weight	< 639kg	Max obstacle height	> 220mm
Climb ability	>70%	Remote control distance	1000m
Straight travel speed	> 1.5m/s	Straight deviation amount	<5.4%
Brake distance	< 0.12m	Anti-overturning function	yes
Anti-collision function	yes	Lighting function	yes
Voice function	yes	Waterproof	IP67, top IP65
Wading depth	400mm	Continuous working time	>5h
Tilt angle	30°	Driving control mode	Wireless control, redundand control
Gas collection	6 kinds of toxic and combustibile gases (O2/CO2/CO/H2S/CH4/N H ₃)		
Control box configuration parameters			
Dimensions	467x366x188 mm	Weight	<12KG without suction cup antenna
LCD screen ruler	15.6 inch	Working voltage	24VDC/12VDC
Digital data transmission frequency	6 sets working at the same time without interfering	Form	portable
Rotary camera configuration parameters			
Rotation angle	>360°	Pitch angle	-90° ~+90°
PTZ control mode	485 protocol	Voltage	DC 24V
Gas detection lifting rod	initial height > 1400mm, height after lifting > 1900mm		
Application			
Suitable for petrochemical, oil tank farms, large warehouses, buildings and other dangerous disaster accident sites such as flammable, explosive, toxic, oxygen-deficient, dense smoke, etc.			
Customer group			

Publicsecurity firefighting forces; CN PC and Sinopec mining sites and warehouses, etc.; hazardous chemical production enterprises; warehouses, logistics, ports, etc. where flammable and explosive products are stored.