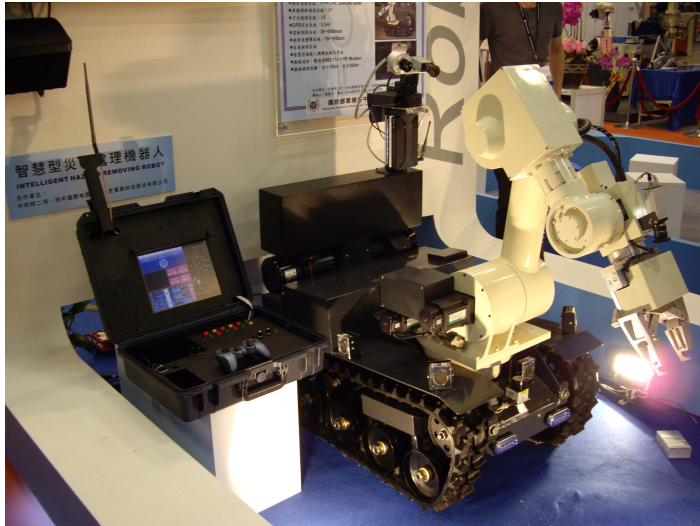
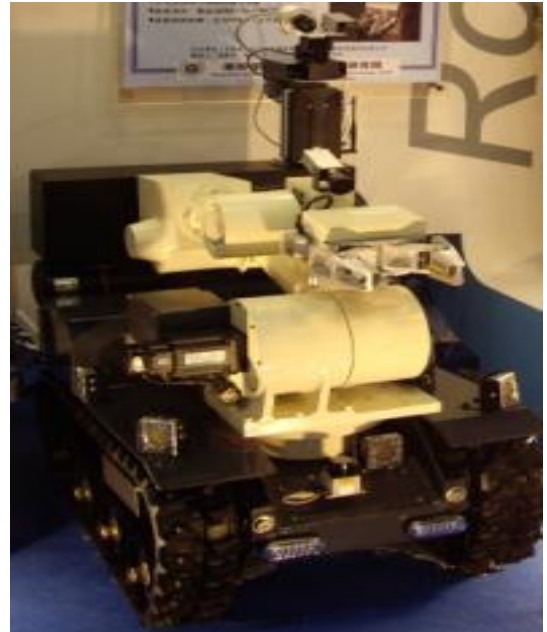


INTELLIGENT HAZARD REMOVING ROBOT



Cameras, Wireless LAN, GPS,
Pan-Tilt controller, RF Link



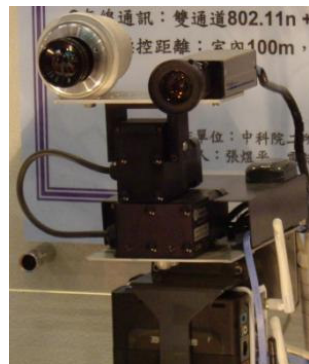
Rescue / Hazard moving Robot

Application

- Dangerous field detection
- Explosives removal
- Dangerous materials removal
- Anti-violent and security / fire brigade assistance
- Patrol, reconnaissance and rescue

Specification

- Size: 120L x 70H x 110H cm
- Weight: 300Kg
- Speed ≥ 0.6 m/s
- Robot ARM: 6 D.O.F
- Motion Control for multi ARM
- ARM length: 120cm
- ARM hang weight: > 10 kg@120cm
- Vision system: 3 LENS and cameras
- Thermo Camera detect system: 7~14 μ m, Resolution: 320 x 240 pixels
- Vehicle platform tilt detect: $\pm 1^\circ$
- Compass / Gyro: $\pm 3^\circ$
- GPS: 3.3M
- LASER Ranger: 20~5,000 mm
- Ultra Sonic ranger: 15~1,050 cm
- Auto Diagnostic
- Wireless LAN & GUI touch screen
- Dual Wireless LAN & RF modem
- Operation distance: Inside: 100M, Outside:300M



Gripper and camera



Sensors

Future:

- Intelligence GUI Touch Screen with remote display
- Full dimension of environment detect sensor
- Visible Giga-B Ethernet and thermo camera system
- Dual Wireless LAN 802.11n
- 6 D.O.F. of ARM motion control
- Caterpillar (track) vehicle
- High capacity battery



Touch Screen GUI display



Remote Controller & Display



Taipei Robot Trade Show



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