## **REAL USER** SAMPLE CASE

### EXAMPLE OF CASE







#### Smart City Rescue

With the rapid development of the social economy, a large number of high-rise buildings, underground buildings and large petrochemical enterprises sping up. Due to the particularity of these buildings and enterprises, the risks of the leak age, burning, explosion of chemical dangerous and radioactive substance keep rising. and the probability of accidents keeps increasing accordingly. In view of the fire situation in the high floor and underground environment, quadruped robot can replace or assist the firefighters to do investigation in the fire field, carry fire rescue equipment for them ,effectively reducing their work pressure.

#### • Intelligent Fire Rescue

without proper equipment, it is difficult for firefigthers to complete tasks under numerous challenges, including high temperatures, darkness, toxic smoke, and poor visibility. The firefighting quadruped robot can enter the fire field for people to carry out investigation and data collection of images and 3D models. It also can complete the search of ignition point and the detection of toxic and harmful gases, so as to ensure a success in fire rescue.

# **INTELLIGENT PATROL**

#### EXAMPLE OF CASE 02





#### • Earthquake and Geological Disaster Rescue

As one type of special robots, quadruped firefighting robot has been a key player in firefighting and rescue operations. Its use has become increasingly common in large-scale petrochemical enterprises, tunnels, and subways where there are potential hazards such as oil and gas leaks, toxic gas emissions, and structural collapses. Disasters like these are characterized by their suddenness, complex disposal processes, significant harm, and difficulty in prevention and treatment. As a result, they have become persistent problems. A firefighting quadruped robot can replace fire rescue personnel in these hazardous environments, addressing the problem of insufficient collection of data and protecting the personal safety of firefighters. Commanders on-site can make timely and informed decisions based on feedback results, ensuring correct and reasonable actions are taken.

### Contact Us

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# UNITREE

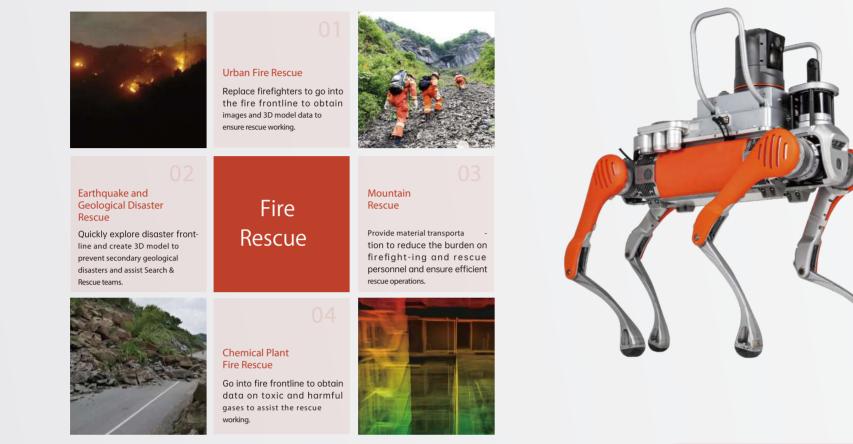
## QUADRUPED ROBOT FIRE **EMERGENCY RESCUE INVESTIGATION SOLUTION**

Overcome obstacles to protect heroes in harm's way Stay down-to-earth to assist intelligent decision-making



## APPLICABLE **SCENARIOS**

## PRODUCT PARAMETERS



## HONOR CERTIFICATE

- Global leader in industry applications of quadruped robots(started in 2017)
- The world's first to participated in national earthquake relief and other drills
- The strongest integration capability of quadruped robot industry chain
- Outstanding contribution and influence in the world's top robotics academia
- The world's first quadruped robot company to obtain IP68 certification(2021)









### Weight Load Max. Speed

Endurance

Ingress Pro

Interface

Removable

Material

Fall-down A

Software M

All-terrain Operation

## 360 Panoramic Camera

Transmit live images in real-time, and obtain clear videos even in high-brightness environ ments with strong light sources, backlight shadows, and other low-light conditions.

#### Gas Sensor

Automatically identify and detect flammable and harmful gases such as CO, CO2, O2, combustible gases, nitrogen oxides, hydro gen sulfide, etc., and provide real-time conc entration alarms.

#### Handheld Remote Control

Equipped with a large high-definition screen, suitable for outdoor use even under strong sunlight. Allows access to the on-site com mand center, providing a reliable guarantee for on-site command.

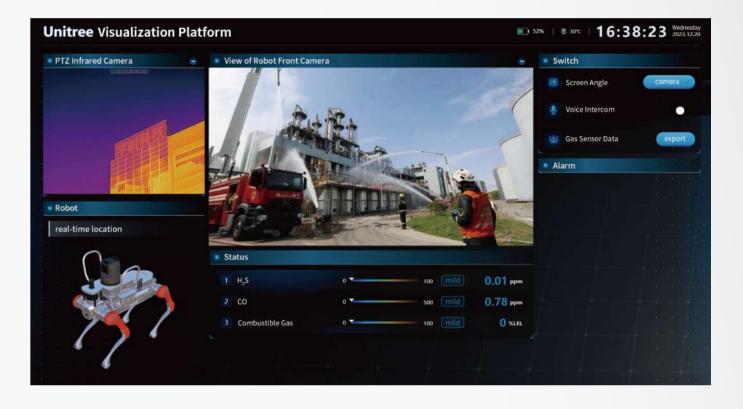


## MANAGEMENT PLATFORM

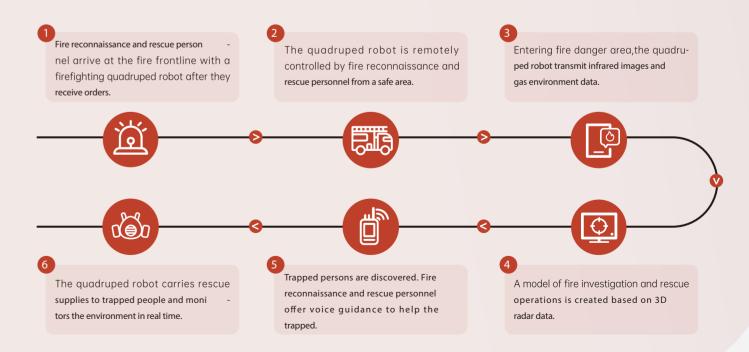
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the site environment and reduce the probability of secondary accidents.

※ Please note that power consumption may vary based on selected options.

X This product is a civilian robot. We kindly request that all users refrain from making any dangerous modifications or using the robot in a hazardous manner.



Smart Fire Rescue Process





#### **Bi-Spectrum PTZ**

Obtain temperature distribution of personnel and the environment by penetrating smoke obstructions and tracking heat sources. Support two-way voice intercom.

#### Ad-hoc Network

A powerful tool for achieving network coverage in complex environments. A dual network mode that effectively addresses issues with signal interference.



3D Laser Scanner

Mechanical Arm for Firefighting -pressure Tank Fire Extinguisher

Ouick-release Carrying Case