

Environmental Chemical Monitoring System



Chemical

Main Product Features

- Real-time online detection of up to 24 types of gases and vapors simultaneously
- Supports both fixed-point and mobile monitoring modes
- One-click start, fast deployment
- Built-in 4G wireless communication
- Real-time data storage, playback, export, and analysis
- The collection terminal supports external video cameras and thermal imaging modules for real-time display on the control terminal
- The control terminal supports multiple collection terminals simultaneously
- Supports remote wireless connection to cloud platforms for data management, equipment control, and cloud-based analysis

The GD624 Environmental Chemical Monitoring System uses multiple sensors and multi-channel direct detection, integrating optical ionization sensors, electrochemical sensors, and infrared sensors. It is able to detect up to 24 gases at once. GD624 combines intelligent algorithms to achieve efficient and accurate work. The system supports visual monitoring and data linkage, making it suitable for real-time monitoring of various toxic, hazardous, and flammable gases in emergency response, firefighting, and industrial environments

The device can work independently or as part of a networked monitoring system, with both the collection terminal and the control terminal capable of standalone operation

GD624



Chemical

Product Technical Features

- Control terminal features a 7-inch color touch screen
- Each collection terminal can operate independently or as part of a networked system
- Real-time display of gas concentration with units in ppb, ppm, or mg/m³
- Wireless transmission with multi-terminal control capability

Technical specification

Specification Item	Specification Parameter
Detection Target	Industrial toxic gases, volatile organic compounds (VOC), radiation, image data, etc.
Sampling Method	Pump suction type; diffusion type
Cold Start	≤ 30 seconds
Analysis Time	≤ 15 seconds
Error Rate	≤ 1% (tested in clean air conditions)
Power Supply & Continuous Working Time	Built-in rechargeable lithium battery; continuous operation time ≥ 4 hours
Operating Temperature	-20 °C to +55 °C
Configuration	Main unit (including collection and display terminal), tripod, waterproof carrying case, and user manual

