

## Panorama Quantitative Detection Robot GO5-H Series



The panoramic quantitative detection technology outputs panoramic unfolding and cross-sectional contours of the inner wall, achieving structural output of a pipeline's panoramic 3D model, visually displaying the size and volume of pipeline deformation, deposition and defects. Can be analyzed. Provides accurate data support for maintenance and repair operations.

### **Scope:**

Urban (industrial) drainage pipes

### **Product overview**

The GO5-H Series Panorama Quantitative Detection Robot consists of a panorama lens, a pipe side scanner, a GO5-H Series crawler, a cable tray and a control system. During the detection process, pipeline high-resolution video, cross-sectional profile, panorama, chromatography Panoramic quantitative detection technology outputs panoramic unfolded and cross-sectional contours of the inner wall, achieving the structural output of a panoramic 3D model of the pipeline, allowing visual display and analysis. It measures the size and amount of pipeline deformation, deposition and defects, and provides accurate data support for maintenance and repair operations.

## Product Features

Panoramic quantification, accurate and efficient

The interior walls of the pipeline are displayed and quantified as panoramic photographs, and the collection and interpretation process is accurate and efficient. Store data directly without observing defects. Read it on a pipeline panorama and click on the defect, and the corresponding video frame and cross-sectional profile data will automatically be associated for quantification.

Simultaneous detection and comprehensive analysis

Displays high-resolution video of the pipeline, panoramic views, chromatography, pipeline cross-section profiles, and other data sets. It enables pipeline profile profiles, pipeline display maps, pipeline 3D point clouds, pipeline realistic 3D, pipeline 3D tracks. , pipeline deposition profile chart, pipeline deformation rate chart, pipeline water section loss rate chart and other methods and comprehensive display and analysis, professional and rich quantitative reporting of one major output.

## Technical specifications

1. Measuring range: 350mm-4000mm.
2. Outline View: Displays pipeline outlines in real time, supporting operations such as scaling, measurement, standardization, and storage.
3. Applicable pipelines: Urban confluenced sewage, domestic sewage and industrial drainage, urban stormwater or water supply pipeline.
4. Protection level: IP68, can be used at a depth of 10 meters, airtight protection, built-in atmospheric pressure sensor, pressure indicator lamp included.
5. Quantitative analysis: Pipeline deformation map, Pipeline deposition map, Pipe size chromatography You can generate grams, pipe 3D models, and more to measure pipeline defects.

If you are interested in this product, please feel free to contact us.