# GO1-P1 Pipeline Periscope



The GO1-P1 Series Pipeline Periscope is a portable pipeline high-speed camera detection device that can perform rapid endoscopic detection of DN100-2000mm urban drainage pipes, box culverts, culverts, etc.



# Scope:

Urban (industrial) drain pipes, water pipe culverts, general culverts, cable trenches, tunnels

# Product overview

The GO1-P1 Series Pipeline Periscope is a portable pipeline rapid camera detection device that can perform rapid endoscopic detection of DN100-2000mm urban drainage pipes, box culverts, culverts, and

more. It's easy to operate, safe and reliable. Users can perform rapid video detection of the pipeline without having to descend to the well. This is an important tool for drainage network detection, census and acceptance of new pipes.

The GO1-P1 Series Pipeline High-Definition Periscope System consists of hardware equipment and PipeX1H Pipeline High-Definition Periscope Data Collection Software. During the discovery process, you can record and store internal images of detected objects in real time. During the recording process, you can quickly capture and save defective images, or enter text information from the keyboard to display and save them on top of the video image. The integrated main controller makes it highly integrated, compact, lightweight, and high performance. Suitable for battery power, easy installation, field mobile work environment.

Combination with pipes Monitors drainage pipeline online management systems, equipment management, remote viewing of field videos, work point track playback, workload statistics, and more.

### Technical specifications

- 1. Applicable pipe diameter: 100mm~2000mm;
- 2. Control type: Wireless control;
- 3. Distance Accuracy: ± 0.001 meters;
- 4. Range measurement range: 0.2m to 80m;

5. Random movement of the light source: The light source can rotate up and down with the camera probe, with an upward rotation angle of 60°. The downward rotation angle is 30°.

6. Lighting: Two groups of main light source and auxiliary light source are designed, the main light source is 10W LED, with a focusing cup, the auxiliary light source is 63W LED, and for flood design, the main light source and the auxiliary light source are independent Infinite adjustment, effective irradiation distance is 1 to 100 meters.

### Product Features

Real-time online management

Combined with online management of the big data system in urban drainage networks, functions such as equipment management, remote viewing of field footage, reproducing operating point trajectories, and workload statistics can be achieved.

Upgrading wireless transmission

The P1 periscope uses high definition wireless transmission technology to enable devices to operate smoothly even under complex outdoor network conditions.

#### Lamp lighting upgrade

The distribution of the light sources is more uniform, the light cups are upgraded, the light sources are brighter, the lighting distance is more wider, and the image is more sharp. Two sets of light sources are designed close and far, of which the high beams are two 10W LED spotlight lights and a 63W LED flood lights. The perspective light sources are independent and no polarity adjustment is required.

#### Digital HD Camera

The P1 Periscope is equipped with a 2-megapixel HD camera with features such as 1080P (19201080) resolution 30x optical change, automatic focus, manual focus, self-balance, and anti-fog.

#### Accurate laser ranging

Professional laser rangefinder, up to 100m range, real-time high-speed measurement, good stability.

#### Electric Pitch

The pitch angle of the electric lift and lens reaches 120°, and the rear rod rotates left and right to display images inside the pipe.

#### Strong durability

Three removable lithium batteries are standard equipment, providing more than eight hours of power and 10% longer battery life.

The integrated design is lightweight and easy to carry

The integrated design of an operating rod, extension rod and support scale eliminates the need for site installation, improving detection efficiency. It reduces the overall quality of the device, and the operating rod has a compressive strength of 10 times that of regular material.

Easy operation with flat panel wireless control

It adopts a flat plate configuration, providing wireless control to the lens. Friendly interface, feature information at a glance, and simple operations.

#### AI Intelligent Recognition

Intelligently identify pipeline defects without the need for field interpretation, allowing internal personnel to produce test reports.

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