

## X5-HM PIPELINE ROBOT



X5-HM pipeline CCTV detection robot is a new product based on industrial computer system design, using the laptop instead of traditional master control. The robot can capture pictures of defective spots in the detection process so that you can get an inspection report immediately after the completion of detection.

In addition, slope curves of the pipeline can be obtained in real-time during the detection process, which helps you determine the deposition inside the pipeline. And a panoramic image of the inner wall of the pipeline will be produced by using fisheye lens combined with "PipePano" panoramic video analysis software for pipeline detection, so that more precise, quantifiable analysis and interpretation of the dimension of diameter and crack width will be conducted.

X5-HM pipeline CCTV detection robot consists of four parts: crawler, lens, cable reel and control system, among which, the crawler can carry different types of lenses such as the revolving lens, direct view lens and fisheye lens. The robot responds to operation commands from the control system linking the cable reel, such as the crawler's moving forward, backward, turning, stopping and speed adjustment; the lens mount's lifting, lowering and light control; lens' horizontal or vertical rotation,

focusing, zoom, front and rear view switching, etc.. In the detection process, the control system can display in real-time and record pictures sent from the camera and the status information of the crawler, and remarks can be input on the touchscreen.

#### Application range:



Sewage Pipeline



Rainwater Pipeline



Water supply Pipeline



Fire-fighting Pipeline

### TECHNICAL DETAILS X5-HM

Main controller	<ul style="list-style-type: none"> <li>-Available in any notebook computer as the control system</li> <li>-Wireless control</li> <li>-Real-time display date and time, travel distance, crawling attitude information and set the display font information, font size, background color.</li> <li>-Front and rear sights display on the same interface at the same time.</li> <li>-Weight: 3kg</li> </ul>
Electric cable reel	<ul style="list-style-type: none"> <li>-Standard cable length 150M</li> <li>-Two-core cable, great reduce joint failure rate</li> </ul>

	<ul style="list-style-type: none"> <li>-Automatic retractable cord</li> <li>-Weight: 60KG</li> </ul>
Crawler	<ul style="list-style-type: none"> <li>-IP68 up to 10 meters water depth.</li> <li>-Diameter: DN300mm--DN2000mm</li> <li>-Material:brass,stainless steel,aluminum alloy;</li> <li>-Electric lift frame, removable</li> <li>-Forward 12 bright condenser LED lights; after the two highlight LED; All the light intensity continuously adjustable brightness</li> <li>-Weight:35kg</li> </ul>
Camera	<ul style="list-style-type: none"> <li>-IP68 up to 10m water depth</li> <li>-High resolution 1920*1080</li> <li>-Electric rotation,360° radial limitless rotation,one click for reset.</li> <li>-Four LED lights</li> <li>-Sensitivity 0.1Lux</li> <li>-Weight:6kg</li> </ul>