SROD
ROBOTICS

S150A

Pipe Inspection Robot

- √ *Compact design, small and flexible*
- √ *High reliability and low failure rate*
- √ *Electric lifting frame design*
- √ *DN150~1200*



Product Introduction

The S150A is a digital high-definition pipeline inspection robot that can replace manual labor to go down the well and enter the pipeline for inspection operations. It mainly consists of the robot body, dual digital high-definition camera units, an electric cable reel and a flat control terminal, and can enter pipes with a minimum diameter of DN150mm.Equipped with a powerful lighting source and a high-precision meter cable winding device, it can automatically match the winding and unwinding speed according to the vehicle's traveling speed, conduct video recording of the pipeline interior, capture defects, record defect location information and produce professional pipeline inspection reports.





70mm 100mm 130mm 230mm

Key Specs

Camera	Applicable diameter range	150-1200 mm
	Front and rear view camera	Front and rear 210W
	Zoom the gimbal	10x optics, 16x digital
	Pan-tilt control	Axial 360°, radial 270°
	Light source	Main light: 8×2W Auxiliary light: 8×3.5W
	Laser width measurement	Yes
	One-click defogging	Yes
Crawler Body	Body size	680×130×125 mm
	Weight	12kg
	Lifting height	150mm
	Lifting and lowering the load	≤5kg
	Working temperature	-20°C-55°C
	Motor power	max300W
	Protection grade	IP68
	Climbing ability	≤40°

Controller	Controller type	Portable tablet terminal
	Size	177.3×261×6.2 mm
	Resolution	2800 × 1840
	GPS	/
	Hard disk/Memory	256G / 8GB
	WIFI	Yes
	Operating system	Harmony OS
	Operation mode	Touch screen
	Working temperature	0-35°C
Cable Drum	Size	564×310×538 mm
	Weight	45kg(Including cables)
	Working temperature	-20°C-55°C
	The way to record meters	Absolute value encoder
	Cable length	120m, customizable
	Winding type	Electric or manual winding

Key Features

Compact design, small and flexible

Lightweight and compact, it can be used to inspect pipes with a diameter of DN150mm after removing the auxiliary light, making it suitable for detection in concealed and narrow spaces

Portable tablet control terminal

High-definition IPS full-view display screen, portable and simple interface operation

High reliability and low failure rate

Dust-proof, water-proof and explosion-proof, three independent sealed compartments, IP68 protection grade, stable and reliable

Electric lifting frame design

The maximum lifting height can reach 150mm, providing a broader detection field of view

Digital high-definition camera

210W digital high-definition camera, freely switchable between front and rear camera images, laser width measurement, which helps operators quantify defects

Portable design

The cable car adopts a box-type design with a pull rod, which is convenient to carry,easy transfer operations

Application Scenarios



Municipal Drainage Pipes Residential Small Diameter Pipes Wind Turbine Blade Inspection