SRD ROBOTICS

S100C

MINI Pipe Inspection Robot

- √ *Lighter, shorter, and cost-saving*
- √ *Digital high-definition camera*
- √ *Adjustable lifting frame design*
- √ *DN100~400*



Product Introduction

The micro pipe inspection robot S100C can inspect pipes as small as DN100. When equipped with the smallest wheel, it weighs only 4.5kg and can be completed by a single person. It is convenient and efficient to operate.Hub motor direct drive is highly efficient, energy-saving, smoother and more power-saving.Freely combine multiple models of line cars to save you more money.S100C is dedicated to solving the detection challenges of small pipe diameters. It conducts real-time image inspection for various concealed and confined spaces such as small pipes in communities, bridges and tunnels, and ship pipes. The robot can process the pipe inspection data and generate professional report files.





70mm 100mm 130mm

Key Specs

Camera	Applicable diameter range	100-400 mm
	Front and rear view camera	Front: 210W
	Zoom the gimbal	Optional
	Pan-tilt control	Axial 360°, radial 180°
	Light source	Main light: 2×1W Auxiliary light: 4×1W
	Laser width measurement	Optional
	One-click defogging	Optional
Crawler Body	Body size	520×90×83mm(70wheel)
	Weight	4.5kg (70wheel)
	Lifting height	50mm
	Lifting and lowering the load	/
	Working temperature	-20°C-55°C
	Motor power	max240W
	Protection grade	IP68
	Climbing ability	≤30°

Controller	Controller type	Portable tablet terminal
	Size	177.3×261×6.2 mm
	Resolution	2800 × 1840
	GPS	Optional
	Hard disk/Memory	256G / 8GB
	WIFI	Yes
	Operating system	Harmony OS
	Operation mode	Touch screen
	Working temperature	0-35°C
Cable Drum	Size	743×403×483 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

Miniaturized design

Portable Mini type, capable of inspecting pipes with an ultra-small diameter of DN100, is widely used for defect detection in concealed and narrow spaces

Efficient and convenient

The operation can be completed by a single person

Digital high-definition camera

210W digital high-definition camera system, wear-resistant and scratch-resistant lenses, 360-degree rotation and ± 90-degree pitch

Adjustable lifting frame design

The operation is simple. The lifting frame can be raised within one second, and it can be raised up to 50mm at most

Four-wheel direct drive with great power

Hub motor direct drive is highly efficient, energy-saving, smoother and more power-saving

Wide range of applications

According to different pipe diameters, it can be matched with 70-wheel, 100-wheel and 130-wheel models for inspection operations

Application Scenarios



Municipal Drainage Pipes Residential Small Diameter Pipes Septic Tanks