SROD
ROBOTICS

S200CHD

Pipe Inspection Robot

- √ *Medium size with high adaptability*
- √ *High reliability and low failure rate*
- √ *Zero-latency transmission*
- √ *DN200~3000*



Product Introduction

The S200CHD pipeline inspection robot is equipped with an intelligent wheeled motion structure as its carrying platform. It adopts an industrial-grade high-resolution color camera unit, a motion posture detection unit, and an industrial-grade intelligent control terminal.The auxiliary powerful lighting source and high-precision meter cable winding device can enter the interior of the pipeline to conduct video recording, capture defect pictures, record defect location information and produce professional pipeline inspection reports.





100mm 130mm 200mm 230mm

Key Specs

Camera	Applicable diameter range	200-3000 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: 6×3.5W
	Laser width measurement	Yes
	One-click defogging	Yes
Crawler Body	Body size	580×190×160 mm
	Weight	19kg
	Lifting height	200mm
	Lifting and lowering the load	⩽5kg
	Working temperature	-20°C-55°C
	Motor power	max300W
	Protection grade	IP68
	Climbing ability	⩽40°

Controller	Controller type	Industrial-grade terminal
	Size	460×420×180 mm
	Resolution	1920×1080
	GPS	Yes
	Hard disk/Memory	256G / 8GB
	WIFI, USB, 4G module	Yes
	Operating system	Windows
	Operation mode	Touch, Operation box, Mouse
	Working temperature	-10-50°C
Cable Drum	Size	680×350×450 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	Manual

Key Features

High-definition PTZ camera

2.1-megapixel zero-latency high-definition camera, 360° panoramic lens, one-click defogging

Industrial-grade control terminal

Cold and heat resistant, high definition and high brightness, visible in sunlight, high-performance CPU, providing large bandwidth and zero latency

High reliability and low failure rate

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

Modular design with strong scalability

The efficiency of daily maintenance has increased by 50%.Pre-installed expansion interfaces can be connected externally to devices such as robotic arms, water quality collection boxes, and laser ring scanning devices

Strong power and high load capacity

Six-wheel drive, powerful horsepower, with a maximum load capacity of over 50kg

Precision craftsmanship, compact structure

The X-shaped lifting frame design enables precise control. With a compact structural design, the lifting frame can reach up to 200mm in height

Application Scenarios



Municipal Drainage Pipes Box Culvert Inspection Tunnel and Culvert Inspection