



Snake 70s

Snake 70S Inline Inspection Platform is a tethered inspection tool for assessing pressurized water pipelines. The platform detects leaks and air pockets, collects visual condition, and maps pipelines in a single deployment, without disrupting regular service.



Self-Patrol Module

The Self-Patrol Module is designed for pipes with less flowing speed or no flowing water, and it can be controlled to travel in different directions. It is suitable for pipes with a diameter of DN500 and larger, with a minimum DN150 access fitting.

Camera Module

The Camera Module features an endless rotation full HD camera head with front and rear illumination LED. It is suitable for pipes with a diameter of DN500 and larger, and it can be used with a minimum DN100 access fitting

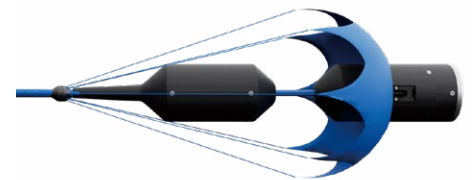


Sonar Module

The Sonar module is equipped with a full HD camera probe that enables inspection with scanning functionality, facilitating the evaluation of deposits and deformations. It is suitable for pipes with a diameter of DN500 and larger, and it can be used with a minimum DN100 access fitting

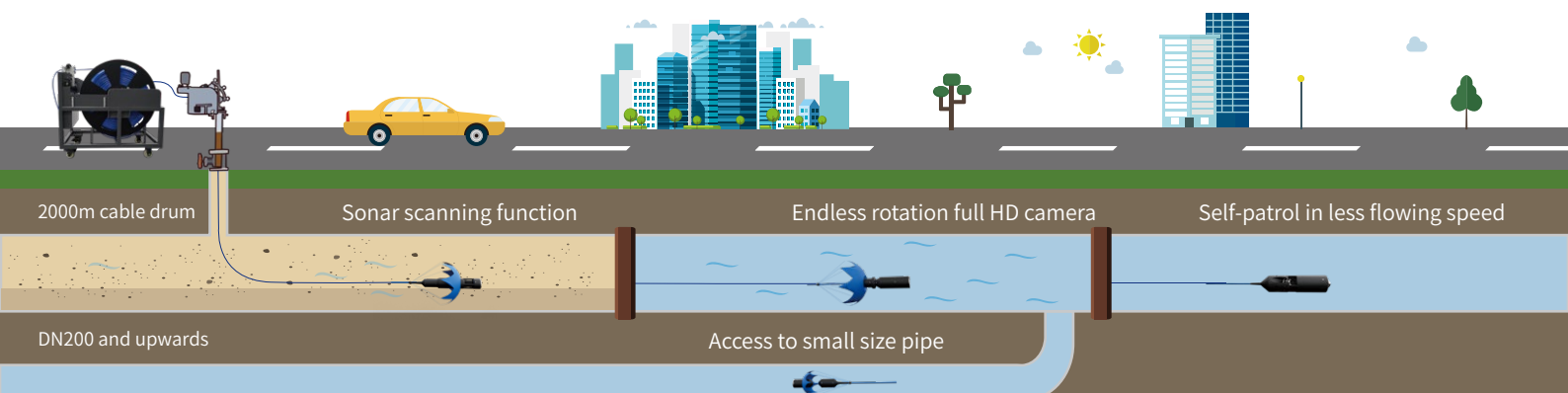
Patented technology

Our patent design allows for the inspection device to be deployed in just 5 minutes, with a requirement of only 1.2m net height for placement. It is perfectly suitable for operations in narrow and confined spaces



Standard Module

The Standard module comes with 2 single-probe connections, allowing for small-sized pipe inspection and access fitting insertion. It is suitable for pipes with a diameter of DN200 and larger, with a minimum DN80 access fitting



2000m cable drum

Sonar scanning function

Endless rotation full HD camera

Self-patrol in less flowing speed

DN200 and upwards

Access to small size pipe



Technical Specification

Standard probe	Deployment range	from DN200 upwards
	Access fitting	Min.DN80
	Leak detection	Acoustic sensor
	Leak location accuracy	±0.5m; 0.05l/min
	Probe	2 pieces, φ 70mm
	Required water speed	0.2-3m/s
	Camera resolution	full HD; 2.1 Megapixels; 1920x1080P
	Camera lighting	LED
	Protection class	IP68, up to10m water depth
	Integrated sonde	±0.5m accuracy; Max.4m depth
Self-patrol probe	Deployment range	from DN500 upwards
	Access fitting	Min.DN150
	Camera	Endless rotation, ±90° pitch angle
	Camera resolution	full HD; 2.1 Megapixels; 1920x1080P
	Camera lighting	LED
	Leak detection	Acoustic sensor
	Leak location accuracy	±0.5m; 0.05l/min
	Water pressure accuracy	1 bar / 0.1mpa
	Probe	1 piece, φ 130mm
	Required water speed	0-3m/s (travel w/o flow)
	Protection class	IP68, up to10m water depth
Integrated sonde	±0.5m accuracy; Max.10m depth	
Camera probe	Deployment range	from DN500 upwards
	Access fitting	Min.DN100
	Camera	Endless rotation, ±30° pitch angle
	Camera resolution	full HD; 2.1 Megapixels; 1920x1080P; PAL
	Camera lighting	LED
	Leak detection	Acoustic sensor
	Leak location accuracy	±0.5m; 0.05l/min
	Water pressure accuracy	1 bar / 0.1mpa
	Probe	1 piece, φ 90mm
	Required water speed	0.2-3m/s
	Protection class	IP68, up to10m water depth
Integrated sonde	±0.5m accuracy; Max.8m depth	
Sonar probe	Deployment range	from DN500 upwards
	Access fitting	Min.DN100
	Camera resolution	full HD; 2.1 Megapixels; 1920x1080P
	Camera lighting	LED
	Leak detection	Acoustic sensor
	Leak location accuracy	±0.5m; 0.05l/min

Sonar probe	Water pressure accuracy	1 bar / 0.1mpa
	Probe	1 piece, ϕ 90mm
	Required water speed	0.2-3m/s
	Protection class	IP68, up to 10m water depth
	Integrated sonde	± 0.5 m accuracy; Max. 8m depth
	Frequency 1	667KHz
	Frequency 2	2MHz
	Scanning angle 1	7.5x2.6°
	Scanning angle 2	2.5x0.9°
	Min. monitor distance	50mm
	Max. monitor distance	2MHz: 6m 667KHz: 12m
Applying condition	Launch tube	DN80
	Launch tube fitting	DN100
	Patent launch system	$\phi 220 \times H450$ mm; 8kg
	Pipe material	All pipe
	Bend pipe	Travel single bend $\leq 45^\circ$; travel multi bends $\leq 270^\circ$
Cable drum	Drive	motor-driven
	Cable length	2000m
	Cable tension	300kg
	Winding aid	yes
	Meter counter	$\pm 1\%$ accuracy, min. scale: 1cm
	Power	Battery, 8h; power cord (optional)
	Communication	Wi-Fi connection to control pad
	Protection class	IP65
Control Pad	OS	Android
	Display	10.1 inch
	Storage	128G
	Battery	8h
	Size & weight	102x153x63mm, 280g
	Communication	Bluetooth 6m