



# 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.

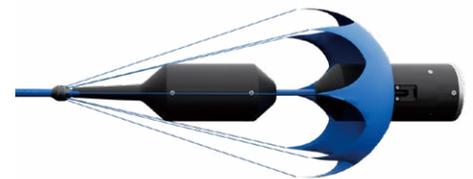


### Self-Patrol Module

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

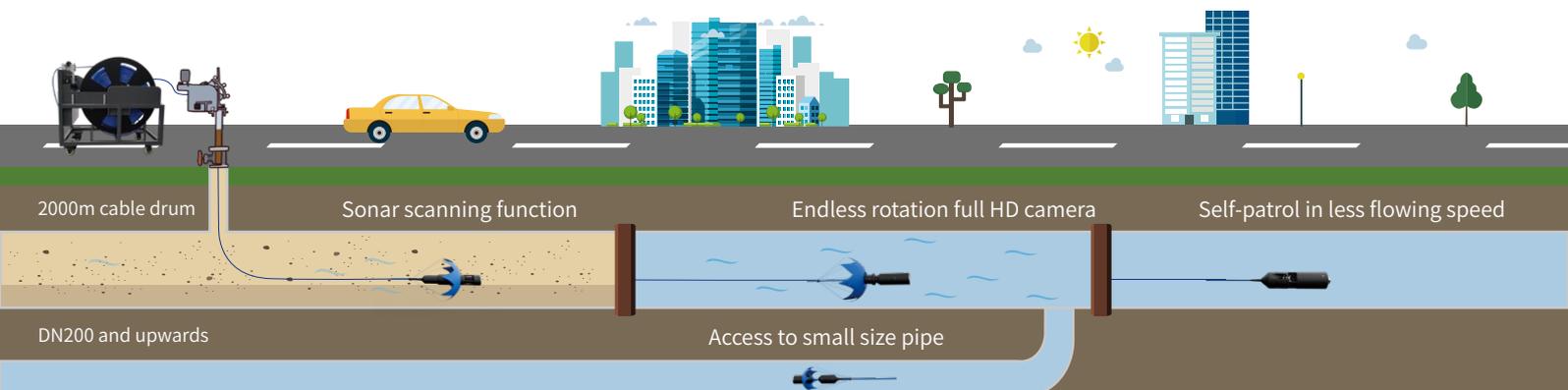
The Sonar module is equipped with a full HD camera probe that enables inspection with scanning functionality, facilitating the evaluation of deposits and deformations. It is suitable for pipes with a diameter of DN500 and larger, and it can be used with a minimum DN100 access fitting

### 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, $\phi$ 90mm
	Required water speed	0.2-3m/s
	Protection class	IP68, up to 10m water depth
	Integrated sonde	$\pm 0.5$ 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