



Discovery GTS2

The idea behind creating the Discovery Modular inspection platform is to combine all the features you need into one system to maximize its versatility. We offer three different wheeled modules, each capable of driving across pipes of different sizes as desired. Additionally, our screw-driven module provides a highly adaptable land and amphibious inspection system, purposefully engineered to maneuver effortlessly through demanding terrains, including muddy and swampy pipe conditions



▶ DN400-DN1000 wheel drive module



▶ DN800-DN2400 wheel drive module



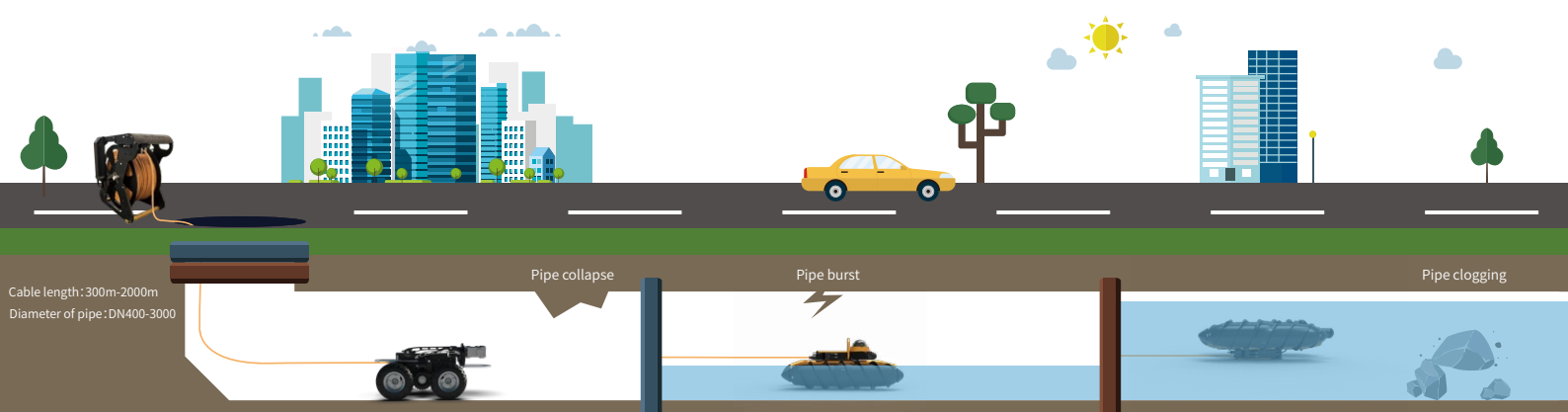
▶ screw drive module for silty pipes



▶ wheel drive module for larger diameter pipes



▶ Max.2000m motor cable drum





Technical Specification

Screw drive module	Deployment range	from DN600 upwards
	Drive	2-screw drive; 120w
	Steerable	yes
	Max. rotation	262 rpm
	Max. speed	0.3m/s
	Against flow speed	≤0.2m/s
	Protection class	IP68, up to 10m water depth
	Battery	2h/piece; 2 pieces/box
	Battery capacity	22.2V; 10.5Ah
	Dimension	L825xW460xH325mm (incl. sonar)
	Weight	12.5kg (incl. battery)
Wheel drive module	Deployment range	DN400-DN1000; Optional:DN800-DN2400
	Steerable	yes
	Drive	4-wheel driven; 120wx4
	Inclination sensor	yes
	Temperature sensor	yes
	Pressure sensor	yes
	Overturn protection	yes
	Lowering arm	In-build
	Back-eye camera resolution	full HD; 2.1 Megapixels; 1920x1080P
	Rear illumination	2 LED
	Protection class	IP68, up to 10m water depth
	Ambient temperature range	-10~55℃
	Wheel sets	5inch
	Dimension	L790xW310xH451mm (5-inch wheel sets, full elevator)
	Weight	40kg (5-inch wheel sets)
CCTV camera head	Pan & Tilt	360° endless rotation, 180°panning range
	Camera resolution	full HD; 2.1 Megapixels; 1920x1080P; PAL
	Optical zoom	10 X
	Illumination	4 LED
	Auxiliary light	10 LED
	Elevator	motorized
	Function	defog
	Sensitive to light	>1Lux
Panoramic camera	Panoramic camera Pan & Tilt	359° rotation, 90°panning range
	Panoramic camera resolution	full HD; 2.1 Megapixels; 1920x1080P
	Optical zoom	4 X
	Illumination	2x9w LED; 1x6w LED
	Front camera resolution	full HD; 2 Megapixels
	Back eye camera resolution	full HD; 2 Megapixels
	Sensitivity to light	0.01Lux

Cable drum	Drive	motor-driven
	Cable length	300m (optional for 1000m, 2000m)
	Cable tension	200kg
	Cable	neutrally buoyant umbilical cable
	Winding aid	yes
	Meter counter	±1% accuracy, min. scale: 1cm
	Power	Battery, 8h; power cord (optional)
	Communication	Wi-Fi connection to control pad
	Protection class	IP65
	Dimension & weight	H450xW510xL235mm , 25kg
Sonar module	Sonar model	SCANFISH-II
	Frequency 1	667KHz
	Frequency 2	2MHz
	Illumination	7.5x2.6°
	Auxiliary light	2.5x0.9°
	Min. monitor distance	50mm
	Max. monitor distance	2MHz: 6m 667KHz: 12m
	Max. water depth	1000m
	Accuracy 1	2.00mm@2MHz,1m
	Accuracy 2	2.60mm@2MHz,2m
	Accuracy 3	5.00mm@2MHz,6m
	Repeatable frequency	1Hz@1m
	Weight	0.4kg
Laser module	Measuring distance	0.1 - 12m
	Accuracy	±1mm
	Protection class	IP68
Control pad	OS	Android
	Display	10.1 inch
	Storage	64G
	Battery	8h
	Size & weight	102x153x63mm, 280g
	Communication	Bluetooth 6m