

S100 Mini Pipeline Crawler

For lateral pipes DN 100-600

The versatile S100 is designed to be committed to undertake efficient lateral pipe inspection with a diameter range from 100mm to 600mm. The complete system features a HD camera sensor, a high-brightness led lights ring, a rugged crawler, a 12.1" touch control monitor, and a cable + reel system with cable length 100-300M customizable.

The SD-1050 camera head combines easy rotation control, auto leveling, and auto illumination adjustment to help engineer to observe pipe wall in details. The illumination system contains 14 high intensity led lights, and the lights can be dimmed both through wireless joystick and 12.1" monitor. The camera sensor features 540TVL CCTV video capturing and snapshots function, and 360-degree endless axial rotation together with 180-degree tilt function to focus the inspection on the fault section of the line.

This all-around S100 crawler is all what you really need for any kinds of inspections from sanitary relining inspection to gas line pinpoint leaking location-better priced, more advanced functions, less down time, and enhanced durability, yet with easy control interface. S100 has extension interface on the backbone for sonar, laser, and gas detector, ect, yet with a rugged tractor body. It can handle as much as 30KG load and traverse bend pipes to get to launch points. If desired, you can add auxiliary lights and camera-elevator to suit large pipes or you just want more well-proportioned illumination.

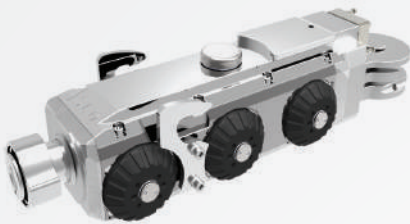
The 12.1" display and control monitor, integrated with win7 32bit system, is compatible with third party software for generating professional reports or data processing OSD to acquire and analysis data of pipe deformation, slopes or structure fracture. The SD9992DII LCD monitor can also be connected to internet via the WAN interface to active the GPS function or just to entertain yourself with videos or music online. And an overwhelming advantage is this system utilizes a 64GB SSD hard disk for data storage, which means less computer boot time, a faster video and /or picture database access, and an improved data safety.



Advantages and parameters

CRAWLER

- Wheels:4-6
- Turn Radius:down to 0.0"
- Camera:SD-1050 or SD-1090(Optional)
- Sensors:pitch, slope, pressure
- Pressure Rating:1 bar
- Robust camera connector
- Material:aluminum



CRAWLER TRACTOR

SD-1050 Camera Head

- Camera Sensor:color Sony 1/4" CCD
- Resolution:540TVL
- Pressure Rating:1 bar
- Focus:auto shutter;manual focus
- Illumination:controllable shadowless
- 14 led ring
- Articulation:180-degree tilt; infinite pan
- Sensing:pressure
- Size:diameter: 52mm;length: 123mm
- Weight:1.6 lb (0.5 kg)
- Material:aluminum, stainless steel
- Control the camera pan/tilt via touch screen or wireless joysticks



SD-1050 CAMERA HEAD

SD9992DII LCD Monitor

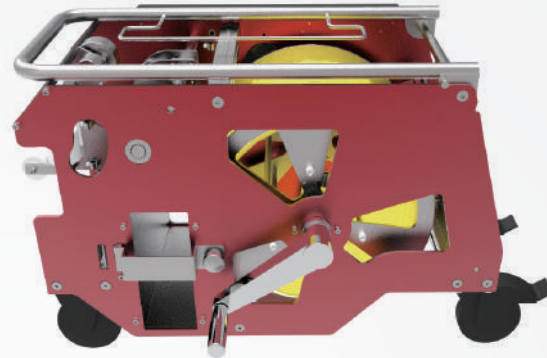
- 12.1" sunlight viewable touch control LCD
- Record inspections to 64GB SSD
- Water-proof standard:IP53
- All featured software regulates crawler motion, cable reel winding up and persistently measures pressure,slope and distance,ect.
- Size:L426mm*W266mm*H52mm



(SD9992DII LCD Monitor)

SD9991E+ Cable Reel

- Optional manual or auto cable winding up component;
- Material: Aviation aluminum+PC plastic
- Meter-counter:Distance constantly displayed on screen;erro<10cm
- Waterproof: IP53;
- Reinforced semi-rigid cable;Load capacity:150KG.OD:9mm
- 120m standard cable length(100-300m customizable)
- Size: 70cm*44cm*48cm
- With emergency stop switch
- Even cable winding up



(SD9991E+ Cable Reel)

Optional Parts

Supply No.	Name	Features
ZCDJ05009	Backup Battery	48V 20AH
ZCDJ03023	Rear View Camera	700TVL
WSJJ04010	Tires	90mm
ZCDJ05013	Guide Wheel	
ZCDJ01016	SD-1090 Camera Head	540TVL