

TVS-120

PUSH ROD CAMERA PIPELINE INSPECTION SYSTEM



The push rod camera system includes the following components

- ▲ Operation system (Windows or Android based operation system)
- ▲ Coiler
- ▲ HD camera head (Pan and Tilt camera or Axial camera)
- ▲ Push rod
- ▲ Centralizer

DESCRIPTION

TVS-120 push rod camera consists of operation system, coiler, HD camera head, push rod, and centralizer. Push the rod to move the camera head inside the pipeline, and transmit the video or captured image inside the pipeline to the controller through the rod for real-time display and storage. Defects are identified, and project information as OSD is overlaid on the video in real time.

Functions in general









- The system can be used to inspect pipes diameters from DN100 to DN300 by selecting different centralizers and camera heads
- The camera has special structural design, with tested sealing performance and waterproof grade of IP68
- High-quality hard rod, with strong push and passing capacity and flexibility
- Two megapixels HD color digital lens with signal-to-noise ratio greater than 50dB
- Multiple control platforms for options, Windows system or Android system based tablet
- Brightness of the LED light can be adjusted
- Optional axial or pan-tilt camera head
- Equipped with high-precision multi-frequency Sonde for defect location
- The cable coiler is equipped with rechargeable high-capacity lithium battery
- Self-leveling as the standard features for all camera head, thus ensuring image or video stability
- The meter counter accurately measures the distance pushed by the camera head inside the pipeline, with the accuracy of 0.01meter;
- The controller can access the system through network cable (for laptop), or WiFi (for tablet) , to control display, editing and video storage, without any cable
- The software will display distance, date, time and other relevant project information in real time. The operator can edit the characters through the keyboard, and five pages of project information records could be stored, which is convenient for the operator to edit quickly

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Cable length	60m (90m, 120m optional)					
Pipe diameter	DN70-200					
Camera head	R70 pan and tilt camera			D50 self-leveling axial camera		
	 <ul style="list-style-type: none"> • Stainless steel • Self-leveling • HD, 2 megapixels • Pan left and right 360 degrees, up and down 110 degrees. • IP68 water prof • Sonde built-in • Adjustable LED • Weight: 900g • Size: DN70, Length: 133mm 			 <ul style="list-style-type: none"> • Stainless steel • Self-leveling • HD, 2 megapixels • IP68 water prof • Sonde built-in • Adjustable LED • Weight: 460g • Size: DN50 ; Length: 105mm 		
Centralizer	DN100 	DN150 	DN200 	DN70 	DN100 	DN150 
Coiler	<ul style="list-style-type: none"> • Stainless steel structure, super large wheels, suitable for field operation • Built-in rechargeable Lithium battery to ensure working for several hours and external power supply is provided for charging • Sonde, multi frequency, used to locate pipeline defects • Dimension: 800x430x1020mm • Weight: approx 30KG 					
Operation system	<ul style="list-style-type: none"> • Multi-platform operation system (Windows or Android tablet) • 5.8G WiFi connection • Hand touch screen, User friendly • Frequency: 512 Hz, 640 Hz, 8 kHz, 33 kHz • Keyboard or voice input • Project OSD overlay function • (Windows or Android Tablet is not included.) 					