

## **PCS-200 Push Rod Video Camera Pipe Inspection System**

The PCS-200 is a push rod video camera pipe inspection system capable of inspecting pipes from under 1.0" to 12.0" in inside diameter with a series of three easily interchangeable cameras. The 6.5mm diameter fiberglass push rods are available up to 200' long and are mounted on a powder coated steel reel. Super Bright white LED's provide a brilliant and well defined image for accurate pipe inspections. The system is fully portable with battery operation and includes an integral 5.6" TFT Color LCD display and a composite video output for recording and additional viewing on a series of optional displays and recorders.



The heavy duty stainless steel camera heads have gold plated interconnection adapter collector ring and spring pins to enable fast and reliable interchange of cameras. The cameras are field focusable and utilize a high resolution color CCD camera modules providing over 380 TV lines of resolution and is rated at 1 Lux/f1.2. Super bright white LED's provide for brilliant illumination; each LED is shock mounted on a circumferential light ring to provide even lighting 360 degrees around the camera. LED technology conserves battery power allowing for longer battery operation. Each Camera is available at 17mm (0.680"), 29mm (1.160" ) and 55mm (2.200") in diameter and they each have several centering devices for positioning the camera centerline in the pipe.

The monitor has a sunshade to allow viewing in lighted situations. The composite output is standard and can be used with a variety of devices such as an additional monitor, direct to DVD recorders, an external hard drive or to computer image capture devices.

Optionally, there are additional centering devices, text generators, audio recording and other application aids available. This video pipe camera system has one of the best images available on the market today. Shown below is the quick change interconnector for the different camera heads.



PCS SERIES TECHNICAL SPECIFICATIONS	
<b>Imaging Chip:</b>	Hi Resolution CCD, 1 Lux, 380 TVL
<b>Insertion Tube Length:</b>	200 Feet
<b>Camera Head Diameters</b>	17mm, 29mm and 55mm, detachable/interchangeable
<b>Push Rod</b>	6.5 mm diameter, powder coated stainless steel.
<b>Lens Field of View:</b>	90 Degrees
<b>Lens Depth of Field:</b>	Varies with adjustment and application
<b>Direction of View:</b>	0 Degree- Straight ahead
<b>Dimensions:</b>	LCD Monitor 5.6" Diagonal
<b>Light Source:</b>	Super-Bright White LED Ring
<b>Intensity Control:</b>	Electronic
<b>Video Output:</b>	NTSC, Composite Video
<b>AC Input Voltage:</b>	85V – 265V AC, 50-60 Hz
<b>DC Input Voltage:</b>	12 VDC
<b>Video I/O Connector:</b>	RCA
<b>Data Storage Device:</b>	Optional
<b>DC Battery System:</b>	Integral 12VDC
<b>Battery Life:</b>	2 Hours
<b>Display Temperature Range:</b>	0° - 32° C, (32° - 113° F)
<b>Insertion Probe Temperature Range</b>	-10° - 80° C, (14° - 176° F)
<b>Weight</b>	30 lbs. including ac power and integral battery (60 lbs. with shipping/storage case)
<b>Liquid Compatibility</b>	Water, synthetic and mineral lubricating oil and hydraulic fluids ( Skydrol incompatible); gasoline, diesel and jet fuel.

## PCS System Models

**PAC-17PCS-200:** Complete System Including 17mm (0.680") diameter Camera Head, 200 Feet push rod cable system with 5.6" LCD display and cable reel.

**PAC-29PCS-200:** Complete System Including 29 mm (1.160") Camera Head, 200 Feet push rod cable system with 5.6" LCD display and cable reel.

**PAC-55PCS-200:** Complete System Including 55 mm (2.200") Camera Head 200 Feet push rod cable system with 5.6" LCD display and cable reel.

## PCS Components

**PAC-PCS-200:** Push Rod System with 200' reel mounted 6.5mm diameter push rod; battery operation; integral 5.6" color monitor, (does not include camera head), 30 lbs. weight without shipping case. (60 lbs with shipping/storage case)

**PAC-17PCS-CAM:** 17 mm (0.680"), Stainless Steel Camera Head Only; for 1.0" to 2.0" ID Pipe; Sapphire Glass Protective Lens; 8 LED Lights; and up to 2 Bar water pressure protection. Includes several centering devices.



**PAC-29PCS-CAM:** 29 mm (1.160"), Stainless Steel Camera Head Only; for 1.75" to 4.0" ID pipe; Sapphire Glass Protective Lens; 10 LED Lights and up to 6 Bar water pressure protection. Includes several centering devices.



**PAC-55PCS-CAM:** 55 mm (2.200"), Stainless Steel Camera Head Only; for 4.0" to 12.0" ID Pipe, Sapphire Glass Protective Lens, 16 LED Lights and up to 6 Bar water pressure protection. Includes sever several centering devices.



## PCS Options

**PAC-PCS-CASE:** 40"x 30" x 20" Storage and Carrying case for complete unit 60 lbs including cable.

**PAC-PCS-CTR:** Digital Counter System for displaying cable insertion position



Standard 5/6" Video Monitor and Display with Sunshade and articulating arm.



**Optional:** 40 Gigabyte Real-Time Image/Video Storage Capture and LCD Monitor for recording inspections. Measures only 5" x 3" x 1".