

## Private Eye Portable Mainline System



The **Private Eye System** from R.S. Technical Services is a full function, portable mainline sewer inspection system that comes complete with a RST Mainline Tractor and an Omni Eye II Zoom color camera. **Private Eye Systems** can also be configured with an Omni Eye 3 camera, Omnistar camera or 1306 mini mainline camera.

The **Private Eye** is an integrated system: A rugged metal case housing the video monitor/VCR, 1315 Mainline Controller and DD Lite (video overlay) is mounted on a Compact Portable Mainline Reel. A Hand Held Camera/Tractor Controller, Lowering Rope, Top Manhole Roller and Tiger Tail completes the system.

The Compact Portable Mainline Reel has a motor-speed control, footage counter and built in level-winder capable of operating with up to 1000 feet of double-armored single conductor cable.

The Omni Eye II Zoom Camera is a color inspection camera and has a pan and tilt head with built-in lighting and zoom. Camera head swing and rotation, lamp intensity, and zoom features are remotely controlled and adjustable from the Hand Held Controller. A home function centers the camera's head to its initial position. The color camera incorporates a total zoom capability of 40X (10X optical and 4X digital).

The RST Mainline Tractor is 6- wheel gear drive unit adjustable for pipeline sizes 6-inches to 24-inches in diameter. The tractor has three forward speeds, a stop function, a reverse and a freewheel for easy extractions. The Hand Held Controller operates the tractor functions.

# PRIVATE EYE PORTABLE MAINLINE SYSTEM

## PERFORMANCE

Nine inch color monitor  
Two head VCR  
1315 Mainline controller  
Handheld Auxiliary Controller  
Microphone with on/off  
Portable reel with handles and air filled tires

## DESIGN INFORMATION

Power requirement: 120 VDC 60 Hz.  
Motor type: 1/2 horsepower  
Counter system: Automatic level wind  
Counter accuracy:  $\pm 1.0\%$   
Speeds: High, Neutral, or low for cable retrieval  
Footage overlay: Displays footage, text, time, date and a data field for quick phrases.  
(Simple keyboard commands allow presetting or one step zeroing)

## PHYSICAL INFORMATION

Height: 36.5 inches—42.5 inches with handles extended  
Width: 24.5 inches with tires  
Length: 26 inches  
Weight: 255 pounds loaded with 1,000 feet of armored single conductor cable.  
Capacity: Up to 1000-feet of single conductor armored cable  
Material: Aircraft Milspec 6061 aluminum protected by corrosion-resistant powder coat and anodizing.

## INCLUDED EQUIPMENT

Omni II Zoom Color camera, Model number 10-1630  
RST Mainline Tractor transport, Model number 32-2000  
Top manhole roller  
Tiger tail  
Lowering rope

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