

# OMNI EYE III ZOOM CAMERA



The Omni Eye III Zoom pan & tilt zoom camera is designed to mount on a variety of RST transporters and is used to inspect sanitary sewer & storm drain pipelines from 6 to 200 inches. The Omni Eye III Zoom camera can be run on up to 3000 feet of armored single conductor cable and still produce outstanding video quality that is unmatched by others. The camera has an automatic iris and focus feature that also can be manually controlled and has a 10X optical plus 4X digital for a total of 40:1 zoom capability. Two built-in high power halogen lights mounted in the head of the camera allow you to direct the light where you need it to inspect small and large pipelines.

## Features

- ✚ The camera head with two lamps pans and rotates as a single unit
- ✚ 460 TV lines horizontal
- ✚ 10X Optical Zoom, 4X Digital Zoom. Total combined capability 40X zoom
- ✚ Use in six inch pipe or larger
- ✚ Anodized Aircraft Aluminum Housing
- ✚ 1/3 Type CCD Sensor (379,000 pixel), .1 lux sensitivity

**RS**  **Technical Services Inc.**

*Design and Manufacture of Video Pipeline Inspection Systems*

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## Specifications

<b>Field of View:</b>	70° diagonal
<b>Input Voltage:</b>	70 - 120 VDC from controller
<b>Diameter:</b>	2.6"
<b>Length:</b>	17"
<b>Lighting:</b>	Two long life, 20-watt field replaceable halogen lamps
<b>Housing:</b>	Anodized aircraft aluminum housing Waterproof per IPX7
<b>Weight:</b>	10 lbs.
<b>Lens:</b>	f= 4.2 mm (f1.8 to f2.9) focus
<b>CCD Sensor:</b>	1/3 type IT, total of 379,000 pixels; 1.5-lux nominal with minimum sensitivity of 0.1 lux.
<b>Image Resolution:</b>	460 TV lines horizontal
<b>Zoom:</b>	10X Optical Zoom, 4X Digital Zoom (10X Zoom f= 4.2 mm) (f1.8 to f2.9) Total capability is 40X Zoom
<b>Focus/Iris/Shutter:</b>	Manual or continuous auto focus, manual or continuous auto iris, adjustable shutter speed for improved low light performance
<b>Camera Head:</b>	330° rotational, 270° pan for a 360° view
<b>Pipeline:</b>	Min. 6" diameter pipe with liner

### Compatibility

Additional lighting  
Mainline transporters  
Steerable Storm Drain Tractor  
6" - 72" Mainline pull skid set

### Optional

Inclination measurement (requires additional equipment)  
Internal diagnostics



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