

“The Standard of the Industry”



OZIII

Pan and Tilt Optical Zoom Camera

The OZIII optical zoom pan-and-tilt camera system offers built-in directional field replaceable lighting for 6" to 30" pipe to produce the highest quality image to enhance the details of your CCTV inspection. The OZIII camera provides up to 40:1 optical/digital zoom, automatic focus, remote focus and iris control to assure the best quality video within varying pipe conditions. The robust design of the OZIII camera includes protective forks for the camera head to protect it during insertion and retrieval and to shield it from roots and other obstructions in the pipe. Get the finest detailed video inspections with the CUES OZ III (Optical Zoom) Camera!

This unit can be used in conjunction with the steerable Compact Pipe Ranger (CPR) to inspect 6" relined through 30" sanitary and storm sewers and connects directly to the CPR transporter with no exterior wires or cables. When the OZ III is installed on the CPR transporter, it produces a compact assembly with superior pulling power and the ability to negotiate difficult entry conditions and standard 45- and 90-degree sweeps and turns. An optional built-in inclinometer is also available to read and transmit pipe grade variations.

CUES "Light Enhancement Technology" eliminates the need for an external lighthouse! Easy operation at the controller allows the operator to change the sensitivity of the camera at their fingertips! There's no need to remove the camera to install an external lighthouse if the pipe material or pipe diameter changes! Let the CUES "Light Enhancement Technology" do it for you!

NITE LITE III

Pan and Tilt Camera

The Nite Lite III is a unique pan-and-tilt inspection camera that incorporates the latest video technology to provide up-close imaging of pipe walls and surfaces during sewer line inspections of 6" relined pipe through 30" diameter pipe. The multi-conductor Nite Lite III pan-and-tilt camera system offers unparalleled imaging technology to produce the clarity of pictures with enhanced detail. The Nite Lite III camera is designed to pan 285 degrees and rotate 360 degrees. Remote control for iris and focus is provided to assure the highest picture quality in unusual or special conditions. An optional built-in inclinometer is also available to read and transmit pipe grade variations.

Easy Upgrade to the OZIII optical zoom camera!

The Nite Lite III can be easily upgraded to include 10x optical zoom and 4x digital zoom! Refer to the OZIII information in this brochure!

The OZIII & Nite Lite III cameras include an optional sonde to accurately locate the camera in metallic and non-metallic pipes!

OZIII FEATURES & BENEFITS

- ◆ 10X optical zoom and 4X digital zoom; total 40:1 zoom capability
 - *Enhances image details from faraway distances for inspection and assessment*
 - ◆ NTSC at 470 H lines of resolution
 - *Higher image resolution means sharper pictures with maximum detail*
 - ◆ Sensitivity: 1.5 lux (F1.8, 1/60 s) and 0.13 lux (F1.8, 1/4 s) Electronic shutter speed: 1/4 to 1/10,000 s
 - *Increased sensitivity provides brighter pictures with reduced lighting requirements*
 - ◆ 360 x 285 degree pan and rotate viewing capability
 - *Pan and tilt simultaneously while the transporter moves!*
 - ◆ Four long-lasting field replaceable lights with White LED Cluster Lamps
 - *Internal lights are directional with the moving camera head for optimum illumination in various pipeline conditions*
 - ◆ Back light compensation
 - *No spotlight reflection blooming in image*
 - ◆ Auto-tracking white balance
 - *Perfect color under all conditions*
 - ◆ Auto-focus
 - *Quickly focus on an area of interest*
 - ◆ Manual override of focus, iris, and shutter
 - *Flexible for unusual or special conditions*
 - ◆ Pan, rotate, zoom, and focus homing
 - *Quick and easy to reorient to the current location*
 - ◆ Waterproof to 50 psi
 - *Camera can be submerged in water over 100 feet deep without compromising integrity*
 - ◆ 360 degree rotation optical viewing angle; 331 degree pan viewing angle range
 - *View minute defects and voids around the entire diameter of the pipe wall*
 - ◆ Can be used in pipelines as small as 5" in diameter
 - ◆ Optical-grade sapphire camera window
 - *Helps prevent image distortion*
 - ◆ Includes an internal diagnostic system
 - *Continually monitors camera functions, including run time, serial number identification, camera head temperature, humidity, light supply voltage, and camera input voltage*
 - ◆ An optional built-in inclinometer is available to read and transmit pipe grade variations
 - ◆ The OZIII & Nite Lite III cameras include an optional sonde to accurately locate the camera in metallic and non-metallic pipes
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