

Pan, Tilt, & Zoom Camera

Designed and built to take on the most rugged & hostile sewer environments

Using the latest LED Luxeon Star Illuminators, the Cobra Zoom Camera can inspect pipe up to 72" in diameter without the need to add additional lighting for most pipe types. The LED lighting is powered on at any time the camera is turned on. The Luxeon Star illumination system generates minimal heat. Cobra designed the illumination to provide a narrow beam of light on one of the illuminators and a wide angle on the other illuminator providing optimum lighting in the pipe. This can be simply changed in the field if the User wants to provide a different lighting profile.

General Features

- ▶ Cold Luxeon Power with Narrow and Wide Beams for Optimum Viewing.
- ▶ 10:1 Optical Zoom and 4:1 Digital Zoom. Total effective Zoom ratio 40:1
- ▶ Auto and Manual Iris. Automatic iris type lens with manual override controlled at control console controls illumination range for an acceptable picture between 3 and 10,000 lux
- ▶ Auto Centering
- ▶ Automatic focus with manual override
- ▶ 360° Rotate and 270° Pan capability
- ▶ Clutched Gearmotors to Prevent Damage to Pan and Rotate Drives
- ▶ Digital Control System with Zero Noise
- ▶ Operates optimally through a maximum of 4,000' multi-conductor or 2000' single
- ▶ 100% Solid-State circuitry designed for harsh, adverse sewer conditions
- ▶ PTZ Controller Controls Remote Elevator Option
- ▶ Viewports are double O ringed to limit damage and cushion impact to the lens. The same viewport is used on both the lights and the camera eliminating the need to carry multiple spares
- ▶ Light heads are isolated from the camera body so in the event a light head lens is damaged, water will not access the camera head or the camera body
- ▶ Directional LED lighting through 72" without the need to add external lighting
- ▶ Life expectancy of the LED Star is 10,000 hours
- ▶ Optional inclinometer with digital uplink available when camera is purchased or may be added at any time an inclinometer might be required
- ▶ Tested at 5psi then at 50 psi and finally at one atmosphere of vacuum before shipping
Note: Navy testing is carried out at low pressure (5psi). Mechanical components are more liable to leak at low pressure rather than at high pressure
- ▶ Compatible with any Cues or Aries Multiconductor Systems Simply Plug and Play
- ▶ Stainless Steel construction
- ▶ Hard Coat anodized Aluminum Head
- ▶ Waterproof Housing
- ▶ All Gears Stainless Steel
- ▶ High Quality Picture
- ▶ Simple to Operate



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PTZ Camera Mounted on Crawler

"The systems provided by Cobra meet all the demands of our customers. The Cobra data logger and the database has saved untold hours in the office. Clients are impressed with the work generated by the Cobra Video Inspection Units."

Tri State Grouting
Newark, DE.

So Advanced... It's Simple

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