

# DC-5150 Borehole Video Surveying System

## DC5150 DUAL CAM

Downhole and side-view color video inspection system for water well, boreholes and monitor wells



Full-function joystick operates camera view, controls, lights & rotation.

Downhole



Side-View



The DC5150 DUAL CAM provides a comprehensive, detailed survey of water wells, boreholes, underground storage tanks and mine shafts measuring 3"-30" in diameter to depths of 5,000 feet. In addition to the standard downhole view, it offers a side-view perspective with continuous 360° rotation (and no external moving parts).

- Provides sharp color images with two lenses
- Specially designed long-life L.E.D. lighting
- Easily retrofit to single conductor video inspection systems
- Standardized cable head allows interchangeable use of cameras
- Slimmer design, lightweight and easy to handle
- Suitable for high temperature environments
- Sealed housing prevents condensation and water intrusion
- Joystick control (see photo above) for easy operation and full-function, one-hand operator control.

## APPLICATIONS

Suited for the groundwater industry, gas, oil and mining companies, public works officials, miners, environmentalists and remediation sites, helping pinpoint problems in:

### Water Wells

- Locate corroded casings, infiltration, obstructions, offset casings and encrustations
- Find lost tools and pump parts
- Verify success of repairs and cleanings
- Analyze gravel packs and casing damages
- Determine if wells can be rehabilitated

## Borehole/Monitor Wells

- Determine chemical/mineral content from soil coloration
- Analyze geologic strata/ground formations
- Detect damage in underground petroleum storage tanks and piping, drilling fluid disposal pits, injection wells, brine evaporation pits and retired gas and oil production wells
- Provide visual proof of compliance with government regulations

## CAMERA SPECIFICATIONS

- Camera diameter: 2.35 inches (60mm) O.D.
- Overall camera length: 24.25 inches (660mm)
- Housing: Stainless steel
- Lens: Scratch-proof sapphire glass viewing port
- Power requirements: 100-200 volts DC at 50 watts (at maximum brightness)
- Total camera weight: under 14 lbs. (6.5kg)
- Pressure rating: Pressure tested and waterproof to 2,500 psi
- Camera connector: Water-blocked; LUS cablehead with UHF coaxial connector
- Scanning system: 525 line, 60 Hz NTSC or 625 line, 50 Hz PAL standard
- Operating temperature: 0° to 65° C (32° to 150°F)
- Remote functions: Camera view (select downhole or side-view);  
Rotation (clockwise or counter-clockwise);  
Fully adjustable lighting

## CU500

The newly released CU500 is the latest technology for the control unit for our large deep water systems. It serves as the video source, power supply, functions controller and counter for our deep water systems.

The control unit offers variable voltage to the well camera while displaying high voltage and camera current meters. The footage counter and video display can be calibrated in the field and allows the user to preset or reset the counter on the screen along with the ability to change the location of the numbers on the screen.

