

GeoVISION™ Econo Borehole Video Camera Systems



The GeoVISION Econo Heavy Duty and Light Duty borehole video camera systems are designed to provide a low-cost, portable, professional quality system for use in water wells, boreholes, and other voids. The Heavy Duty can be configured with up to 1000 feet of cable and On Screen Depth display. It's winch has slip rings, ball bearings, and a locking knob. The Carrying Case includes the power supply, control panel, and places for mounting the monitor and other equipment. The Light Duty system provides a basic, inexpensive system for use at maximum depths of 325 feet; it is intended for light duty. The manual pan and tilt capability of these systems allows one to view in any direction with the use of a pipe string. Both systems have adjustable centralizers, interchangeable cameras, and all major components can be repaired.



The nano camera is 3/4 inches in diameter and is intended for use in very small to medium boreholes and to fit past a pump in a well. Nano cameras can be used with all GeoVISION systems. The nano camera with motorized side looking mirror is shown on the left.



Standard and CPVC Jr cameras can be used with all GeoVISION systems. Shown with manual tilting are the Standard stainless steel camera, left and Jr plastic camera next to it. Eight high brightness LEDs are set in the front of all Standard and Jr cameras. Both cameras are available in color or black and white. The ultra low light black and white cameras are especially good at viewing in very large boreholes and mines where it may require less light than a color camera.

Viewing and Recording

There are several types of video to USB adapters available from electronic retailers, They are not stocked by MPI. These devices allow one to view with and record directly to a computer.



One can use the optional tie clip microphone to record comments using the system's audio circuitry.

Sunshades are standard on all GeoVISION™ monitors.



The Microvision 7 inch LCD color monitor is one of three monitors available.



The Sony DVD recorder provides a very convenient way to make a digital recording.

Major Options Available for Econo Systems

System	Cable length in feet			On Screen Power	Dual Dive
	325	650	1000	Display	Winch Light
Heavy Duty	Yes	Yes	Yes	Yes	No Yes
Light duty	Yes	No	No	No	No Yes



The cable protector, which is also a component of the On Screen Depth Display option, allows the cable to ride past the casing edge on a pulley.



Compass

GeoVISION™ Econo Options



Standard and Jr side looking mirror



The Super Eight lights provide supplemental light for use in very large boreholes, shafts, mines, and caves. Versatile brackets allow it to be attached at many different places on the GeoVISION™ system. Supplemental off camera light also improves the quality of the image by increasing the subject texture and by reducing glare. An Adjustable Super Eight Light is also available.



The Carrying Case is standard with the Heavy Duty System and includes the power supply, control panel, and places for mounting the monitor and other equipment. Neither the winch nor the reel fit into this case. This case is similar in outside appearance to the optional Light Duty System case.

