

GeoVISION™

Borehole Video Systems



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GeoVISION™ Nano Camera

Video Camera GS-0010

The GeoVISION™ Nano camera is the smallest diameter production borehole video inspection camera made today. The Nano camera is a mere 3/4 inch (2 cm) in diameter and is designed for use in boreholes as small as one inch (2.5 cm) in diameter and at depths up to 2000 feet (600 meters).

The Nano camera has standard NTSC resolution with an aspect ratio of 4:3. Illumination is provided by six high intensity white LEDs. The Nano camera is rated for use up to 1,000 psi and can be used with Light-Duty, Heavy-Duty and Deluxe winches.

The Nano camera can also be used with the Nano Auto Rotating Mirror to allow a side scan of the bore wall. The Nano Auto Rotating Mirror can be set to rotate continuously or to rotate approximately 20°, pause for a few seconds and then continue rotating. The pause in rotation allows maximum resolution for recording the video image.



Specifications:

Weight	10.1 Ounces (286 g)
Dimensions	10-1/4" long x 3/4" diameter (26 cm x 2 cm)
Standard Lens	2.97 mm
Angle of View (in air)	~130°
Aperture	F2.0
CCD	1/3" Sony Super HAD CCD II
Video Format	NTSC
Aspect Ratio	4:3
Horizontal Resolution	550 Lines
Effective Pixels	768 Horizontal x 494 Vertical
Minimum Illumination	0.05 Lux.
Operating Temperature	-40° F ~ 122° F (-40° C ~ 50° C)
Light Source	6 High Intensity White LEDs
Maximum Depth	2000 Feet Underwater (600 meters)
Maximum Pressure	1000 psi
Current Draw	190 mA
Window Material	Sapphire
Exposure Control	No

Compatibility:

Products	Notes:
Winch	
Deluxe	
Heavy-Duty	
Light-Duty	
Cable Length	
325 feet (100 meters)	Deluxe, Heavy-Duty or Light-Duty winch.
650 feet (200 meters)	Deluxe or Heavy-Duty winch.
1,000 feet (300 meters)	Deluxe or Heavy-Duty winch.
1,650 feet (500 meters)	Deluxe winch.
2,000 feet (600 meters)	Deluxe winch.

Accessories:

Additional Lights
Auxiliary Single Light
Auxiliary Fixed Eight Light
Auxiliary Adjustable Eight Light
Camera Mounted Options
Nano Rotating Mirror