

# GeoVISION™

## Borehole Video Systems



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## Standard Plastic Cameras

**Video Camera**  
Color-GS-0008  
B&W-GS-0009

The GeoVISION™ Standard Plastic Color and Black & White cameras are a great economical choice when the conditions are right. Standard Plastic cameras are designed for use in two-inch (5 cm) and larger diameter bores up to 1,000 feet (300 meters) deep. These cameras are more sensitive to heat than Standard Stainless Steel cameras, and cannot be stored or operated in environments hotter than 110° F (43° C). They can be used alone or mounted on a Pan-Tilt Control for easy joystick manipulation.

The Standard Plastic cameras have standard NTSC resolution with an aspect ratio of 4:3. Illumination is provided by eight high intensity white LEDs. Standard Plastic cameras are rated for use up to 500 psi and can be used with Light-Duty, Heavy-Duty and Deluxe winches.

Standard Plastic cameras have a mounting screw near the front of the camera for attaching accessories such as a side-looking mirror or a ball compass. In shallow wells, these cameras can be connected to a pipe-string providing an economical way to pan and tilt the camera from the surface.



**Specifications:  
Standard Plastic Color Camera**

Weight	4.5 Ounces
Dimensions	3-3/8" long x 1-5/8" diameter (8.6 cm x 4.1 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
Horizontal Resolution	550 Lines
Effective Pixels	768 Horizontal x 494 Vertical
Minimum Illumination	0.05 Lux.
Operating Temperature	-40° F ~ 110° F (-40° C~43° C)
Light Source	8 High Intensity White LEDs
Maximum Depth	1000 Feet Underwater (300 meters)
Maximum Pressure	500 psi
Current Draw	120 mA
Window Material	Glass
Exposure Control	No

**Standard Plastic Black and White Camera**

Weight	4.5 Ounces
Dimensions	3-3/8" long x 1-5/8" diameter (8.6 cm x 4.1 cm)
Standard Lens	3.6 mm
Angle of View (in air)	~92°
Aperture	F2.0
CCD	1/3" Sony ExView B/W CCD II
Video Format	NTSC
Aspect Ratio	4:3
Horizontal Resolution	420 Lines
Effective Pixels	510 Horizontal x 492 Vertical
Minimum Illumination	0.0003 Lux.
Operating Temperature	-40° F ~ 110° F (-40° C~43° C)
Light Source	8 High Intensity White LEDs
Maximum Depth	1000 Feet Underwater (300 meters)
Maximum Pressure	500 psi
Current Draw	160 mA
Window Material	Glass
Exposure Control	No

**Compatibility**

**Accessories**

<b>Products</b>	<b>Notes:</b>	<b>Additional Lights</b>
<b>Winch</b>		Auxiliary Single Light
Deluxe	Maximum cable length is 1,000 feet (300 meters).	Auxiliary Double Light
Heavy-Duty		Auxiliary Fixed Eight Light
Light-Duty		Auxiliary Adjustable Eight Light
<b>Cable Length</b>		<b>Camera Mounted Options</b>
325 feet (100 meters)	Deluxe, Heavy-Duty or Light-Duty winch.	Pan-Tilt Control
650 feet (200 meters)	Deluxe or Heavy-Duty winch.	Compass
1,000 feet (300 meters)	Deluxe or Heavy-Duty winch.	Fixed Mirror