

GeoVISION™

Borehole Video Systems



www.AlleghenyInstruments.com
Jeff.Hoffer@AlleghenyInstruments.com
800.255.1353 - 540.468.3740

Standard Stainless Steel Cameras

Video Camera

Color- GS-0006

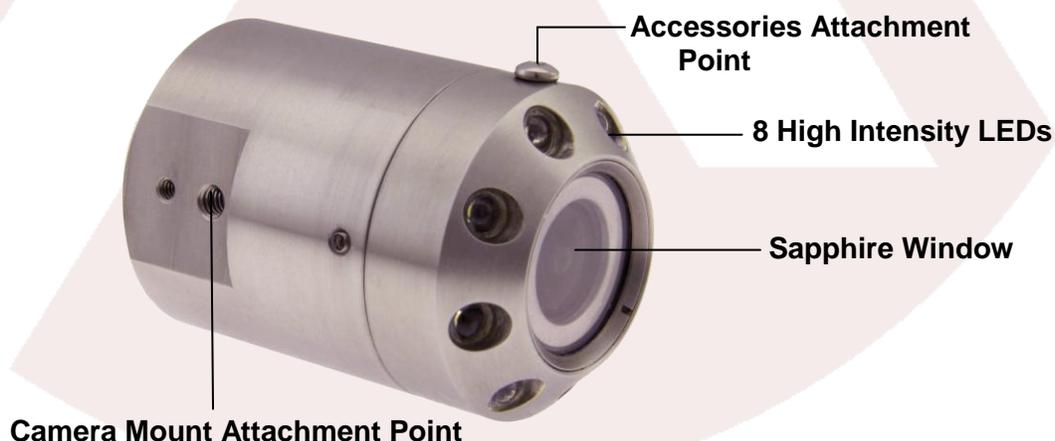
B&W- GS-0007

The Standard Stainless Steel camera is the workhorse of the GeoVISION™ line of cameras. Standard Stainless Steel cameras come in both color and black & white. These cameras are extremely rugged and designed for use in two-inch (5 cm) and larger diameter bores up to 2,000 feet (600 meters) deep. They can be used alone or mounted on a Pan-Tilt Control for easy joystick manipulation.

The Standard Stainless Steel cameras have standard NTSC resolution with an aspect ratio of 4:3. Illumination is provided by eight high intensity white LEDs. The LEDs can be turned on or off unless the camera is used with a Light-Duty winch in which case the LEDs are always on. Standard Stainless Steel cameras are rated for use up to 1,000 psi and can be used with Light-Duty, Heavy-Duty and Deluxe winches.

Standard Stainless Steel 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.

When mounted on a Pan-Tilt Control, the Color Standard Stainless Steel camera has the added ability to adjust the exposure to the center of the screen rather than the entire screen. This allows the camera to look through holes in the bore wall and properly expose what lies beyond.



**Specifications:
Standard Stainless Steel Color Camera**

Weight	12 Ounces (340 g)
Dimensions	2-7/8" long x 1-5/8" diameter (7.3 cm x 4.1 cm)
Standard Lens	2.45 mm
Angle of View (in air)	~150°
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 ~ 122° F (-40° C~50° C)
Light Source	8 High Intensity White LEDs
Maximum Depth	2000 Feet Underwater (600 meters)
Maximum Pressure	1000 psi
Current Draw	120 mA
Window Material	Sapphire
Exposure Control	Yes – When mounted on a Pan-Tilt Control

Standard Stainless Steel Black and White Camera

Weight	12 Ounces (340 g)
Dimensions	2-7/8" long x 1-5/8" diameter (7.3 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
Horizontal Resolution	420 Lines
Effective Pixels	510 Horizontal x 492 Vertical
Minimum Illumination	0.0003 Lux.
Operating Temperature	-40° F ~ 122° F (-40° C~50° C)
Light Source	8 High Intensity White LEDs
Maximum Depth	2000 Feet Underwater (300 meters)
Maximum Pressure	1000 psi
Current Draw	160 mA
Window Material	Sapphire
Exposure Control	No

Compatibility

Products	Notes:
Winch	
Deluxe	Camera lights can be turned on or off. Exposure can be controlled when used with a Pan-Tilt Control.
Heavy-Duty	Camera lights can be turned on or off.
Light-Duty	Camera lights cannot be turned off.
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 Double Light
Auxiliary Fixed Eight Light
Auxiliary Adjustable Eight Light
Camera Mounted Options
Pan-Tilt Control
Compass
Fixed Mirror