



# SS-35B

**BLACK AND WHITE VIDEO  
AND LIGHTING SYSTEM**

**ONLY 3.47 CM (1.37 INCH  
IN DIAMETER)**

**EXTREMELY DURABLE**

**CRISP, WIDE-ANGLE  
IMAGE**

**RATED TO 400 METERS**



The SS-35B black and white video camera with built-in LED lighting is designed to withstand the rigors of day-to-day inspection in confined areas where environmental and mechanical shock are unavoidable.

The SS-35B housing is constructed from stainless steel for maximum durability and will not wear in contact with tough materials such as cast iron. Three red Luxeon LED's are built into the camera and protected by a smooth, chip and crack resistant sapphire window. LED lighting provides powerful and virtually indestructible illumination over thousands of hours of use.

The SS-35B has applications in pipe and borehole inspection, fixed-mount monitoring, tank and void inspection, in fisheries and aquaculture, or just about any confined space with access over 1.37 inches. It is also ideal for inspection of machinery and engineering spaces both on land and aboard ship. It is an economical solution for applications that previously required very expensive and temperamental remote CCD cameras. The SS-35B can be used alone as a drop system, affixed to tools or remote manipulators, and other equipment.

# SS-35B Specifications

## MECHANICAL

Housing:	Stainless Steel
Window Material:	Sapphire
Outer Diameter:	3.47 cm (1.37 in.)
Overall Length:	4.49 cm (1.77 in.)
Weight in Air:	119.07 g (4.35 oz)

## VIDEO

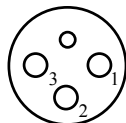
Image Sensor:	1/3" Interline Transfer CCD
Min. Depth of Field:	1/2 -inch
Focus:	Fixed focus, factory set
Resolution:	460 (H) x 350 (V)
Number of Pixels:	768 (H) x 494 (V)
Scene Illumination:	0.5 Lux
Lens:	2 mm, f3.5 wide-angle
Shutter:	Electronic, automatic
Angle of View in Air:	83 (H) x 60 (V) 95 (D)
Angle of View in Water:	59 (H) x 44 (V) 68 (D)
Video Output:	1.0 volt peak-to-peak at 75 ohm
Video Format:	EIA or CCIR
Lighting:	3 Red LED's

## ENVIRONMENTAL

Depth:	400 meters (1312 feet)
Operating Temperature:	-10° C to 50° C (14° F to 122° F)
Storage Temperature:	-10° C to 60° C (14° F to 140° F)

## ELECTRICAL

Power Requirement:	8 to 13 volts DC
Current:	160mA (camera), ~500mA with LEDs
Pin-out:	



BHSS3MP  
1 = Ground  
2 = Power  
3 = Video



*Specifications subject to change without notice*

DEEPSEA POWER & LIGHT • 4033 Ruffin Rd. • San Diego, CA 92123 USA • TEL (858) 576-1261 • FAX (858) 576-0219

Web: <http://www.deepsea.com> • e-mail: [info@deepsea.com](mailto:info@deepsea.com)

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