



# SS-35C

**COLOR MINI 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-35C color video camera is the newest addition to DeepSea's rugged video inspection series. Packed into a housing 1.37 in. (3.47 cm) in diameter is a 1/3" format color CCD and powerful lighting system. The SS-35C is designed to withstand the rigors of day-to-day inspection in areas where environmental and mechanical shock are expected and unavoidable.

Features that contribute to SS-35C durability and reliability include a stainless steel housing and a sapphire crystal lens port. The precipitation hardened housing, will resist wear in contact with tough materials, such as cast iron, and the lens port is virtually scratchproof except to diamond or carbide. Six ultra bright white LEDs protected by a smooth, chip and crack resistant window provide powerful, virtually indestructible lighting for the life of the camera. Each SS-35C is pressure-tested and guaranteed to 400 meters (1312 ft.) underwater.

The SS-35C has applications in pipe inspection, borehole inspection, water wells, fixed-mount monitoring (such as observing underwater valves), tank and void inspection, and security and safety monitoring in water-based entertainment and architectural installations. It is suitable wherever a compact camera with built-in lighting is the best solution.

# SS-35C 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 (4.2 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:	NTSC or PAL
Lighting:	6 Luxeon white LED's

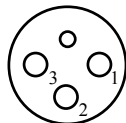
## ENVIRONMENTAL

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*

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