



SS-126C

COLOR MINI VIDEO AND LIGHTING SYSTEM

EXTREMELY DURABLE

RATED TO 250 METERS

CRISP, WIDE-ANGLE IMAGE



The SS-126C video camera with built-in LED lighting is DeepSea's smallest color video camera. The SS-126C is designed to withstand the rigors of day-to-day inspection in confined areas where environmental and mechanical shock are unavoidable.

The SS-126C's housing is constructed from stainless steel for maximum durability and will not wear in contact with tough materials such as cast iron. A sapphire crystal lens port that can only be scratched by diamond or carbide. Built into the camera are 30 ultra bright-white LEDs protected by a smooth, chip and crack resistant window. LED lighting provides powerful and virtually indestructible illumination over thousands of hours of use. The 1/3" lens is fixed-focus, meaning there are no moving parts to break loose or wear. Each SS-126C is factory pressure-tested and guaranteed to 250 meters underwater.

The SS-126C 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 1.26 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-126C can be used alone as a drop system, affixed to tools or remote manipulators, and other equipment.

A choice of three cables are available including RG-59 triax, a micro-triax with a tough kevlar braid, and a flexible fiberglass push cable that allows the camera to be pushed through multiple bends up to 61 meters (200 ft.) in pipe as small as 3 cm (1.25 in.). Several camera control options are available, ranging from a basic power supply to an integrated power and video display unit with audio and video recording.

SS-126C Combined Video & Lighting System

Specifications			
Video		Electrical	
Image Sensor	1/3" Interline Transfer CCD	Power	8 to 13 volts DC
Number of Pixels	510 (H) x 492 (V)	Current	160 mA (camera), ~500mA with LEDs
Resolution (TV lines)	330 (H) x 350 (V)	Connector	740-055-004
Lens	2 mm, f3.5 wide-angle	Environmental	
Focus	Fixed focus, factory set	Operating Temperature	-10 C to 50 C (14 F to 122 F)
Min. Depth of Field	½-inch	Depth Rating	250 meters (820 ft)
Scene Illumination	0.5 lux	Weight (air)	3.4 oz
Field of View in Air	111 (H) x 95 (V) x 122 (D) deg.	Mechanical	
Field of View in Water	76 (H) x 67 (V) x 82 (D) deg.	Camera Diameter	1.26 in.
Lighting	30 White LEDs with variable intensity	Camera Length	2.31 in., excluding collar (included with camera)
Video Output	1.0 volt, peak-to-peak, at 75 ohm	Housing Materials	Stainless steel housing, Sapphire crystal lens port, High-impact LED window
Video Format	Color; NTSC or PAL standard		
Shutter	Electronic, automatic		

Cables			
Camera Connector	Cable Type	Length	Dry-End Termination
740-055-004: Also available as un-terminated whip.	RG-59 Triax (TRI): 75 ohm video cable with polyethylene jacket.	0-1000 feet: Price is per-foot. Contact DeepSea for pricing.	TOP/SS: Standard. Also available on unterminated 18" whip.
	Kevlar Triax (KTRI): 75 ohm video cable with internal kevlar braid and polyurethane jacket.		Other: Please contact DeepSea with requirements.

How to Order: 740-055-004) – () – () – ()

Power & Viewing

SST-1370 heads are ideally suited to work as a system with our family of controllers, which include the ability to vary the LED light intensity, view the image with high resolution monitors, output the video signal to other monitors and VCRs, or make video recordings with *Hands-Free* audio overlay.

Power+	(P+) 120 vac/60 Hz (or 220 vac/50 Hz) to ~12 vdc power supply. Includes direct connection for SS3ILMP terminated cables. RCA video output interfaces with customer-supplied monitors and VCRs. Variable LED intensity controller allows fine adjustment of lighting for different conditions. A Ground Fault Circuit Interrupt (GFCI) is included on the AC cord for added safety.
Monitor+	(M+) A P+ with high-resolution surveillance monitor (>850 TV lines) enclosed in a rugged, aluminum case. A metal sunshade folds down to protect the CRT screen and front panel controls during transport. A tilt-stand improves viewing angle when system is on the ground. Includes direct connection for TOP/SS-terminated cables. Variable LED intensity controller allows fine adjustment of lighting for different conditions. Video in/out jacks allow hook up to external devices such as VCRs, camcorders and other remote monitors. A Ground Fault Circuit Interrupt (GFCI) is included on the AC cord for added safety.
Monitor+VCR	(M+VCR) An M+ with added VHS VCR and <i>Hands-Free</i> audio recording. Video/audio out jacks, CB mike input jacks, front-panel wireless microphone and playback speaker, one-button monitor/record/play.



Specifications subject to change without notice

DEEPSEA POWER & LIGHT • 3855 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

Rev. 12/29/99