



SUBSEA TECHNOLOGY & RENTALS

SEASPECTRUM LOW LIGHT



The STR SeaSpectrum range of underwater cameras deliver high performance image definition through a variety of formats including HD-SDI, HD-IP and Composite Video. All cameras in the SeaSpectrum range are designed with compact and lightweight aluminium housings rated to 3000m water depth and can be selected with a choice of lens options for optimum use.

The SeaSpectrum Low Light camera has been designed to provide maximum performance in conditions where light level is very limited

and is especially suited for ROV operation. Unlike many underwater low light cameras, the SeaSpectrum Low Light camera is capable of operation at the higher resolution of 576 lines. The SeaSpectrum Low Light uses the same power and communications interface as the SeaSpectrum Colour Zoom, ensuring these cameras are interchangeable and easy to integrate. Full camera configuration is possible with remote RS232 & RS485 control which includes manual zoom and focus.

KEY FEATURES

- Wide Angle Low Light Monochrome Camera
- RS232/485 Zoom and Focus Control
- Composite Video 576i 25/30fps
- 3000m Depth Rating
- Optically Corrected Dome Lens
- Easily Integrated

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Optical:

Viewport:	Quartz Dome with Underwater Correction
Field of View:	85° air/water
Sensor:	1/2.8" Panasonic 2 Mega Pixel CMOS
Min Illumination:	0.0008Lux
Signal to Noise Ratio:	>50dB (AGC = OFF)
Zoom:	2.8-12mm Dual-motor optical zoom/16x Digital Zoom
Focus:	Remote controlled manual/auto-focus
Image Enhancement:	Wide Dynamic Range (WDR), Digital Noise Reduction (DNR), defog
Analogue Interface CVBS:	PAL / NTSC 576i 25/30 fps

Electrical:

Power Input:	9 – 30VDC (Max 125mA @ 24VDC, typical 25mA)
Fault Protection:	Reverse polarity input protection with self reset fuse

Mechanical:

Depth Rating:	3000m
Housing Material:	Neutral Hard Anodised Aluminium
Connector:	Subconn MCBH8M/ Other options available
Length:	165mm (195mm inc connector)
Diameter:	Max 90mm/main body 70mm
Weight:	1.25kg in air/0.77kg in water

Control:

Software:	STR SeaSpectrum Camera Controller
Hardware:	RS232/RS485 Zoom, Focus & OSD Configuration

All information contained in this brochure may be subject to change without prior notice.