



SUBSEA TECHNOLOGY & RENTALS

SEASPECTRUM HD-SDI



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.

SeaSpectrum HD-SDI is a High-Definition camera using a fused quartz dome lens for superior wide angle video capture. Full camera configuration is possible with remote RS232 & RS485 control which includes manual zoom and focus. Tri-state and bi-polar control options are also possible.

KEY FEATURES

- High Definition Serial Digital Interface(HD-SDI)
- 720p/1080p
- 3000m Depth Rating
- Optically Corrected Quartz Dome Lens

SEASPECTRUM HD-SDI

Optical:

Viewport: SP-HDC-3000AW = Quartz Dome with Underwater Correction,

Field of View: SP-HDC-3000AW = 85° air/water, SP-HDC-3000A = 85° air/ 64°water

Sensor: 1/2.8" Panasonic 2 Mega Pixel CMOS

Min Illumination:
(DSS) 0.017Lux Colour, 0.0008Lux BW,
(STD) 1.0Lux Colour, 0.5lux BW

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), colour
configuration, defog

Digital Interface

HD-SDI: 1080P 25/30 fps, 720p 60/50/30/25 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: Seacon MINL-5515-75R

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.

WWW.STR-SUBSEA.COM