

STR SeaCam



The STR SeaCam system is a modern hi-specification multi-camera inspection system, developed for a wide range of subsea applications and environments from drop camera work to down-hole survey.

The highly versatile system can be configured with up to 8 off SeaCam Mini IP cameras and up to 16 off SeaLight LED-1-DC underwater LED lamps and addition to a range of Ethernet based sensors such as imaging sonars.

The system is highly intuitive to operate whilst maintaining flexibility of configuration, all recording parameters can be user configured via the built in touch pad and the user is provided with additional controls via LCD display for control of subsea power circuits and LED intensity control.

For ease of deployment the system is offered within an IP67 Pelicase, no external laptop is necessary. To partner the robust Peli-based surface unit, all subsea modules have been designed for maximum robustness.

KEY FEATURES

- Control & adjustment of camera parameters
- Supports up to 8 channels of full HD video recording
- Touchpad for full control over video display and recording
- 20" full HD lid mounted display
- Electronics integrated in ruggedised watertight case
- Over 200 hours recording capacity

STR SeaCam

SEACAM CONTROL UNIT - SC-CU-1

Functions: Power supply, communication, control & status monitoring of Subsea Multiplexer and connected sensors. Supports up to 8 channels of full HD video recording. Control & adjustment of camera parameters including digital zoom & resolution

Physical Format: Electronics Integrated within Peli iM2600 Ruggedised case, watertight when closed

Dimensions: 538*406*211mm

Display: 20" Full HD Lid Mounted Display

Recording Format: 8 Channels H.264 @ 1080P

Recording Capacity: 4TB (>200Hrs Typical)

Input / Output: USB Data Transfer, Ethernet interface (LAN & WAN)

User Interface: LCD Display & 4 button control for remote LED, power control & status. IP67 touchpad for full control over video display and recording

Power Input: 85-264V AC @ <700W

Power Output: 150V DC @ <650W

Safety Features: Case, cable & subsea load interlocks, low voltage umbilical initialisation, over current & over temperature monitoring

Umbilical Type: STR 13mm PU Jacketed Kevlar reinforced multicore cable – operation over alternate umbilicals possible, please contact STR for further info

SEACAM SUBSEA MULTIPLEXER -SC-SM1

Functions: Supports up to 8 off IP based sensors (IP camera, Sonar etc) via 8 Sensor inputs comprising Ethernet & switchable 24V DC, 1 channel RS232/485, Thermal protection & Remotely resettable electronic over current protection

Dimensions: 140D*261L Without Connectors

Housing: 1000m depth rated Hard Anodised Aluminium

Connectors: MCBH6MAL, 8*MCBH8FAL

Power Output: Switchable 24V DC @ 200W Total Max

LED Control: 8 off Analogue Dimming



STR SEACAM MINI IP VIDEO CAMERA - SC-IPC-500S

Viewport: Acrylic Viewport

Field of View: 1080p 70° air/ 52°water
720p 85° air/ 64°water

Sensor: 1/2.5" Aptina 5 Mega Pixel CMOS

Min Illumination: 0/0.1Lux (LED on/off)

Signal to Noise Ratio: >50dB (AGC = OFF)

Focus: Fixed Focus

Image Enhancement: Brightness, Saturation, Sharpness, Contrast

Digital Interface: Real Time Streaming Protocol RTSP

RTSP: 1080P 25/30 fps, 720p 25/30 fps
(up to 2592x1920 10 fps to 1024x768 30fps available)

Digital Latency: 100-200mS Typical

Data Bitrate: Configurable 500-8000 kbps

Power Input: 10 – 28VDC (Max 150mA @ 24VDC, typical 100mA)

Fault Protection: Reverse polarity input protection with self reset fuse.

Depth Rating: 500m

Housing Material: Stainless steel

Connector: MCBH8M

Dimensions: 65D*95L (without connector)

Weight: 1.35kg in air / 1kg in water

STR SEALIGHT LED-1-DC

Input Supply Voltage: 15 to 32VDC

Input Supply Power: 9W Typical @ 100% Illumination

Colour Temperature: 5000K

Lumen Output: 1200lm Typical

Beam Angle: 120° to 50%

Luminous Efficacy: 130lm/W typical

Depth Rating: 3000m operational

Operating Temperature: -10°C to 45°C

Housing Material: Stainless-steel Housing / Sapphire Lens

Connector: MCBH3M / MCIL3F mating half

Weight: 550g in air / 380g in water

Dimensions: 123mm L (145mm Inc. connector)
x 35mm Dia @ head / 30mm Dia @ body

Dimming Control 0-10V Analogue (Approx. 10KOhm load)

Circuit Protection Reverse polarity protected, Over Voltage, Thermal shut down

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