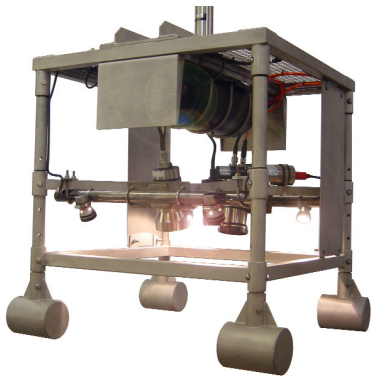


PRODUCT SPECIFICATION

DTS 6000 (DIGITAL VIDEO/DATA TELEMETRY SYSTEM)



6000M single co-ax armoured cable
4 proportional controlled LED lamps
Industry standard digital stills camera
Valeport 808 EM current meter
Realtime video
USBL Transponder
24v DC 700w subsea power supply
Depth sensor

Description

The latest addition to Seatronics rental pool is a 3000m rated digital drop camera system, with real time video link to the surface. Allowing deepwater video monitoring without the need for expensive fibre optic cables, this unique system is ideal for any job that requires real-time high resolution photographic images in deep water areas. At the heart of the system is a Seatronics DTS 6000 digital video telemetry system. Which can operate over 6000m of single co-ax sidescan cable. The telemetry unit provides power and control for the camera and lights. In addition it provides a real time video uplink along with bi-directional instrumentation data channels to allow the operator to monitor the seabed. The latest generation 5 mega-pixel underwater digital stills cameras can be incorporated. In addition a range of optional sensors can be fitted to allow monitoring of depth, altitude, heading, pitch, roll, temperature and conductivity etc. The package can come complete with mounting frame and electro-hydraulic winch fitted with 6000m armoured cable.

Features

DTS 6000 MULTIPLEXER:

- 2-Wire operation, up to 6km single Co-ax armoured cable (Based on Rochester A302799)
- 3000m depth rated (6000m Optional)
- Video Uplink PAL or NTSC (Resolution up to 704 x 576 pixels)
- 4 x RS232/RS485 Bi-Directional instrumentation ports, Data Rate up to 460k baud (rate selectable)
- 24v DC, 700w Subsea Power Supply
- 4 x 24v DC subsea light ports with optional telemetry control

DROP CAMERA SYSTEM - STANDARD COMPONENTS:

- DTS 6000 Topside Control Unit, c/w 2x 17" TFT Monitors
- DTS 6000 subsea electronics pod
- Kongsberg OE 14-208 or Similar Digital Stills Camera c/w Strobe
- 4 x LED or Halogen Lamps
- Altimeter
- Depth Sensor
- Heading, Pitch, Roll Subsea Attitude Sensor
- Deployment Frame

SYSTEM OPTIONS:

- DVR video and data recording software
- Electro-Hydraulic Winch c/w up to 6000m co-ax armoured cable
- Underwater Electrical Swivel
- USBL Transponder
- Multiparameter Probe: Valeport 606+ (Depth, Conductivity, Temperature, DO, PH, Redox, Turbidity)
- Current Meter: Valeport 808 EM
- Water Sampler 6 x Bottle Rosette
- Seatronics DTS 6000 Field Engineers

Datasheet Reference Number: Video Inspection 9.1

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TECHNICAL DETAILS

TOPSIDE CONTROL UNIT (PC, INTERFACE, PSU)

Dimensions: Height 38 cms
Width 57 cms
Depth 79 cms

Weight: 45 Kgs
Power: 110-240v AC, 1200 Watts

SUBSEA ELECTRONICS POD:

Dimensions: Diameter 21.8 cms
Length 61 cms

Weight in Air: 38 Kgs

FRAME:

Dimensions: Height 140 cms
Width 100 cms
Length 130 cms

Weight in Air: Frame (unpopulated) 150 Kgs
Frame (populated) 240 Kgs