

# RTS Gen 5 MUX

## ROV and Survey Multiplexer

The Gen 5 MUX has rapidly manifested itself as the preferred high end ROV multiplexer solution in the industry. The MUX covers the increasing demand for accurate, flexible and robust subsea data transfer combined with user-friendly interfacing. Offered models and options allow for supplementary functions such as Composite and HD video, fibre assembly adaptors and channel customization. The innovative titanium subsea housing provides an extremely reliable and easily accessible data hub for for the challenging conditions of the marine environment.



### Main features

- Compact size & low weight
- No latency
- Inertial Navigation Interface
- Compatible with every known Multibeam system
- PPS Timing
- Ground Fault Detection
- Ethernet 1G & 10/100Mb
- 3G HD Video
- Composite Video



# RTS Gen 5 MUX Mk III

## TECHNICAL SPECIFICATIONS

|                      | 3000TI  | 3000TI-2HD  | 3000TI-3HD  | 3000TI-4CV  |
|----------------------|---|---|---|---|
| <b>Channels</b>      | 6 x RS232, 24 VDC<br><br>2 x RS422/485, 24 VDC<br><br>2 x RS232, 110/240 VAC<br>2 x 10/100 Mb, 24/48 VDC<br>2 x 1 Gb, 24/48 VDC<br>1 x Dedicated INS Port<br>1 x AC Input, 90-260 VAC   | 6 x RS232, 24 VDC<br><br>2 x HD Video, RS232, 24 VDC<br>2 x RS232, 110/240 VAC<br>2 x 10/100 Mb, 24/48 VDC<br>2 x 1 Gb, 24/48 VDC<br>1 x Dedicated INS Port<br>1 x AC Input, 90-260 VAC | 6 x RS232, 24 VDC<br><br>3 x HD Video, RS232, 24 VDC<br>2 x RS232, 110/240 VAC<br>1 x 10/100 Mb, 24/48 VDC<br>2 x 1 Gb, 24/48 VDC<br>1 x Dedicated INS Port<br>1 x AC Input, 90-260 VAC | 4 x Composite Video, RS232, 24 VDC<br>2 x RS232, 24 VDC<br><br>2 x RS422/485, 24 VDC<br>2 x RS232, 110/240 VAC<br>2 x 10/100 Mb, 24/48 VDC<br>2 x 1 Gb, 24/48 VDC<br>1 x Dedicated INS Port<br>1 x AC Input, 90-260 VAC |
| <b>Power</b>         | <b>Surface Unit:</b><br>Voltage requirement<br>Power requirement<br><b>Subsea Unit:</b><br>Voltage requirement<br>Power requirement   |   |   |   |
|                      | 90 - 264 VAC or 120 - 370 VDC<br>100W Max<br>90 - 264 VAC or 120 - 370 VDC<br>900W Max (+ AC output)  |   |   |   |
| <b>Environmental</b> | <b>Surface Unit:</b><br>Operating ambient temperature<br>Weight:<br><b>Subsea Unit:</b><br>Operating ambient temperature<br>Depth rating<br>Weight in air<br>Weight in water<br>Housing   |   |   |   |
|                      | -15°C to +45°C<br>Weight: 8,5 kg ± 1,0 kg<br>-2°C to +35°C<br>3000m<br>32kg ± 2,0 kg<br>15kg ± 2,0 kg<br>Titanium   |   |   |   |
| <b>Other</b>         | <b>Connectors</b><br><ul style="list-style-type: none"> <li>Remote control software</li> <li>Individual voltage and current monitor for each channel</li> <li>Internal humidity and temperature monitor</li> <li>Water ingress detection</li> <li>GFD (Ground fault detection)</li> <li>MCBH-6F for Serial comms &amp; DC</li> <li>MCBH-6S for Serial comms &amp; AC</li> <li>MCBH-8F for Ethernet &amp; DC</li> <li>5506-2013 for Ethernet &amp; DC</li> <li>SAIV 05-03 Coax HD-Video &amp; DC</li> <li>5506-2003 for Power input</li> </ul> |   |   |   |
| <b>Options</b>       | <ul style="list-style-type: none"> <li>Schilling adaptor POD for fibre assembly</li> <li>Channel modifications for Coda Echoscope, Pangeo and Kongsberg EM 3002</li> <li>4 x Composite Video channels on HD models.</li> <li>All serial channels capable of up to 900 kbps</li> <li>Serial INS channel</li> <li>Plugable fibre assembly</li> <li>Ethernet SWITCH</li> </ul>   |   |   |   |
| <b>Dimensions</b>    | <b>Surface Unit:</b><br><b>Subsea Unit:</b>   |   |   |   |
|                      | 134mm x 374mm x 483mm (19" panel, 3U)<br>435mm x Ø 230mm  |   |   |   |

RTS is a supplier of engineering solutions, equipment rental, product sales and personnel. We are based in Karmøy in south-west Norway, close to the main oil bases. With our wide range of equipment and personnel, we offer complete solutions to the subsea industry. Key words are positioning, environmental, hydrographic, logging, PC and video products.

The information in this datasheet is subject to change without notice and does not represent a commitment on the part of RTS.

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