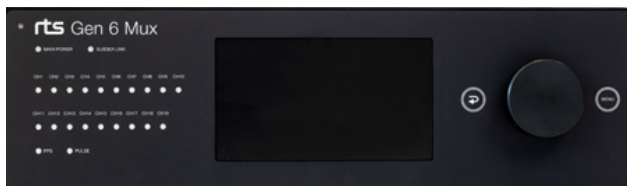


RTS Gen 6 Mux

Standard HD

Main features

- 19 channels
- 3 x HD SDI Video as standard
- Software resettable fuse on every channel
- 1200 W DC power
- Remote operation from web interface
- 3000 or 4500 meter depth rating
- Service friendly
- Same compact size as the Gen 5



The next generation survey multiplexer

With 15 years of experience with the Gen 5 Mux, and previous generations of sensor interface products, RTS brings you the next generation survey multiplexer. The Gen 6 is a redesign of the Gen 5, from the ground, to improve reliability, performance, and service friendliness of the unit. The unit is easily operated from the top-side frontpanel or remotely via the integrated web interface.

Specifications

Product	RTS Gen 6 MUX Standard HD
Country of origin	Norway
Manufacturer	Rental Technology & Services AS

RTS – Rental Technology & Services

rts.as



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Technical specifications

Fiber interface	Optional fiber interface(select one) 1. Mounted fiber assembly. Easy integration With all standard ROVs (3000 m depth rating) 2. Shilling feed trough plugable fiber Interface (4500 m depth rating) 3. Other fiber interfaces can be delivered on request
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Channels

Type	Power output	Connector
3 x HD SDI video with RS232	24 VDC	Saiv 05-04 Coax
6 x Serial RS232 with PPS/PULSE (2 x RS485 software selectable)	24 VDC	Seacon MCBH6F
1 x Serial RS232	100/240 VAC	Seacon MCBH6F Special
4 x 10/100 Mb/s ethernet general purpose	24/48 VDC user selectable	Seacon MCBH8F Special
1 x INS channel with 10/100 Mb/s ethernet, 2 x RS232, PPS/PULSE and PULSE IN	2 x 24 VDC for INS and DVL	SeaKing K19 FCR
2 x 10/100/1000 Mb/s ethernet general purpose	24/48 VDC user selectable	SeaKing K19 FCR
2 x 1000 Mb/s ethernet for multibeam	24/48 VDC user selectable	SeaKing K19 FCR

Power subsea unit

AC Input	90 - 264 VAC 50/60 Hz
24 VDC output	650 W nominal with 800 W peak
48 VDC output	650 W nominal with 800 W peak

Environmental subsea unit

Size	Ø 230 mm x 454 mm
Weight in air	34.2 kg
Depth rating	3000 or 4500 meter depth rating
Housing	Titanium

Topside features

Features	Redesigned frontpanel with larger display Serial channels on RJ45 Remote control via self hosted web interface
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Additional features

Features	Power monitor and software resettable fuse on every channel Advanced diagnostics system Internal network switch with 8 x 1 Gb/s copper ports, 2 x 1 Gb/s backbone Real-time fiber attenuation monitoring Ethernet channel setup and traffic monitoring Support for Norbit WBMS multibeam sonar Remote support via integrated team viewer Client API for integration with 3rd party software
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Channel Matrix

Channel	Function	Serial interface	Ethernet interface	Additional interface	Power output	Output voltage	Subsea connector
Channel 1	Serial + HDSDI Video	RS232			70 W	24 VDC	SAIV 05-04 Coax
Channel 2	Serial + AC Out	RS232				110/240 VAC	Seacon MCBH-6F Special
Channel 3	Serial	RS232 / RS485		PPS/PULSE	70 W	24 VDC	Seacon MCBH6F
Channel 4	Serial	RS232 / RS485		PPS/PULSE	70 W	24 VDC	Seacon MCBH6F
Channel 5	Serial + HDSDI Video	RS232			70 W	24 VDC	SAIV 05-04 Coax
Channel 6	Serial	RS232		PPS/PULSE	70 W	24 VDC	Seacon MCBH6F
Channel 7	Serial	RS232		PPS/PULSE	70 W	24 VDC	Seacon MCBH6F
Channel 8	Serial	RS232		PPS/PULSE	70 W	24 VDC	Seacon MCBH6F
Channel 9	Serial	RS232		PPS/PULSE	70 W	24 VDC	Seacon MCBH6F
Channel 10	Serial + HDSDI Video	RS232			70 W	24 VDC	SAIV 05-04 Coax
Channel 11	Ethernet		10/100 Mb/s		70/100 W	24/48 VDC	Seacon MCBH8F Special
Channel 12	Ethernet		10/100 Mb/s		70/100 W	24/48 VDC	Seacon MCBH8F Special
Channel 13	Ethernet		10/100 Mb/s		70/100 W	24/48 VDC	Seacon MCBH8F Special
Channel 14	Ethernet		10/100 Mb/s		70/100 W	24/48 VDC	Seacon MCBH8F Special
Channel 15	INS + EXT	2 x RS232	10/100 Mb/s	PPS/PULSE + PULSE IN	70/70 W	2 x 24 VDC	SeaKing K19FCR
Channel 16	Ethernet	RS232	10/100/1000 Mb/s	PPS/PULSE	70/290 W	24/48 VDC	SeaKing K19FCRK19FCR
Channel 17	Ethernet	RS232	10/100/1000 Mb/s	PPS/PULSE	70/290 W	24/48 VDC	SeaKing K19FCR
Channel 18	MBE		1000 Mb/s	PPS/PULSE	140/290 W	24/48 VDC	SeaKing KX11FCR
Channel 19	MBE		1000 Mb/s	PPS/PULSE	140/290 W	24/48 VDC	SeaKing KX11FCR
Power In							G5506-2003
Optical							Mounted fiber assembly