



SMARTMUX

Light Weight Multiplexer



Features

- Operates over copper wire cable
- Multiple data connection channels/protocols
- Individual switching of power supplies
- Small size and weight

Applications

- Small ROV upgrade
- Oceanographic link
- Drop camera systems

SMARTMUX is a small data transmission multiplexer designed to assist users of small ROV systems to interface and power additional sensors. Limitations in the smaller ROV umbilical, few spare conductors and the lack of a fibre optic link reduces their ability to carry survey sensors. Using VDSL technology as the backbone communications link, SMARTMUX communicates over a single twisted pair or coaxial cable. The multiplexer offers 3 x Ethernet ports, 2 x serial data links and 5 x switched 24 Volt power supplies.

Technical Specification

Electrical Interfaces	Mechanical
4 x Ethernet channels	Depth rating 1,200m pressure housing
3 x Serial data channels (RS232/485 - hardware switchable)	Dimensions OD 160mm, OAL 250mm
5 x Switched 24 Volt, nom 30 Watt (each) supplies	Weight in air 6.1 kg
Power requirements 18 - 75VDC (nominal 48V)	Weight in water 3.8 Kg

