

# POSEIDON ROBOTICS



## Modular Telemetry System

### Stop trying to fit a round bottle into a square space

This package includes everything needed to turn a spare fiber connection and A/C or high voltage power into just about any accessory connection needed to retrofit older ROVs, add multiple sensors to a tool skid, or provide control and feedback to custom equipment such as geotechnical platforms. The trouble with bottles is that they must be enormous to get enough connectors for more than a few connections; that's why the Poseidon MTS is rectangular.

Just add 240V and a fiber, and attach all the accessories your system needs. At less than 2 feet long this new telemetry system is rated to a full 4,000 meters depth and can provide all the communications for your next remote sensors package. Using modern 7075 Aluminum alloy, and careful FEA modeling and testing, we have made ample space for up to 18 different pieces of equipment and half a kilowatt of onboard power. By combining industry leading multiplexers and high-density power supplies, this unit replaces much larger telemetry bottles and can be used to expand even the smallest ROV skids at only 5.5 inches wide. Need a full telemetry system with instrument power? Add our compact MTSX transformer assembly with 3,000V input and Course Wave Division Multiplexer to connect up to three units.

## SPECIFICATIONS:

### MTS Subsea Mux

1. Depth rating: 4,000m
2. 16x serial ports
3. 2x PAL/NTSC video
4. 1x Ethernet
5. 500W onboard regulated 26/12VDC

### Surface Rack

1. 19in Rack 2U chassis
2. RJ45 outputs
3. Low latency

### MTS Transformer Assembly

1. Umbilical gland
2. Oil filled
3. 3kW/3kV transformer
4. Fiber CWDM, 8-CH



## Poseidon Robotics

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Visit our website: [PoseidonROV.com](http://PoseidonROV.com) for more information.