



## SVS-509 OmniData Stack

Producing the Swiss army knife of fiber interconnectivity, SeaView Systems has developed a suite of three optical video and data transmission cards, each built to the industry standard PC-104 form factor with power requirements of 5 VDC and 2700mW. The 67mm stack consists of the following three cards:

### SVS-109 Video and Data Multiplexer:

- 3 channels standard definition video
- 10/100 Ethernet (2 port onboard switch)
- 4 RS-485 channels
- 2 RS-232 channels
- 2 RS-485/RS-232 configurable channels
- 2 High speed triggers for sonar and USBL timing

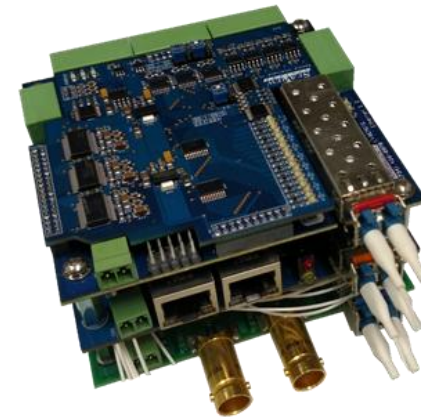
### SVS-209 Gigabit Ethernet to Fiber Converter:

- Auto sensing Gbit Ethernet converter able to support 1000mbps, 100mbps and 10mbps Ethernet data rates.
- 4 port RJ45 Ethernet switch

### SVS-309 HD-SDI to Fiber Converter:

Two channel video data transmission. Able to support 1080P and lower video formats with zero compression.

Each of the three cards in the stack are interconnected to transmit to surface on one single mode optical fiber. This is achieved by using a course wave division multiplexer (CWDM).



SeaView Systems, Inc. designs, manufactures and operates remotely operated vehicles, electronics and other custom hardware/software tools, including oceanographic instruments, custom remotely operated vehicles and tooling systems, to meet oceanographic and underwater robotic applications.

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