



The Innova Link Digital Video board solves the problem of integrating multiple digital video cameras to ROVs and other remotely controlled systems by providing up to 4 digital video channels (HD-SDI) on one board.

The system can be used stand-alone or combined with other products in the Innova Link family, including Analogue Video and Serial communication, Ethernet and PECL. The design is based on Innova's long experience with remotely operated vehicle systems and provides a wide range of features, including;

- Digital Video format: HD-SDI (SMPTE-292M, SMPTE-259M)
- Up to four video channels on each board.
One fibre channel required per video channel
- Standard BNC connectors
- Pressure tolerant electronics and optics option
- Single mode and multi mode fibre options
- Self test and diagnostics functionality (distributed to the AV board)
- Can be combined with other boards in the Link Family with the use of CWDM optical multiplexers

All the boards in the Link Family are designed to be mounted into a rack where boards can be removed separately. A backplane distributes power and diagnostics signal to all boards in the rack.

The output boards can be mounted into a topside rack, including backplane, power supply, and user interface.

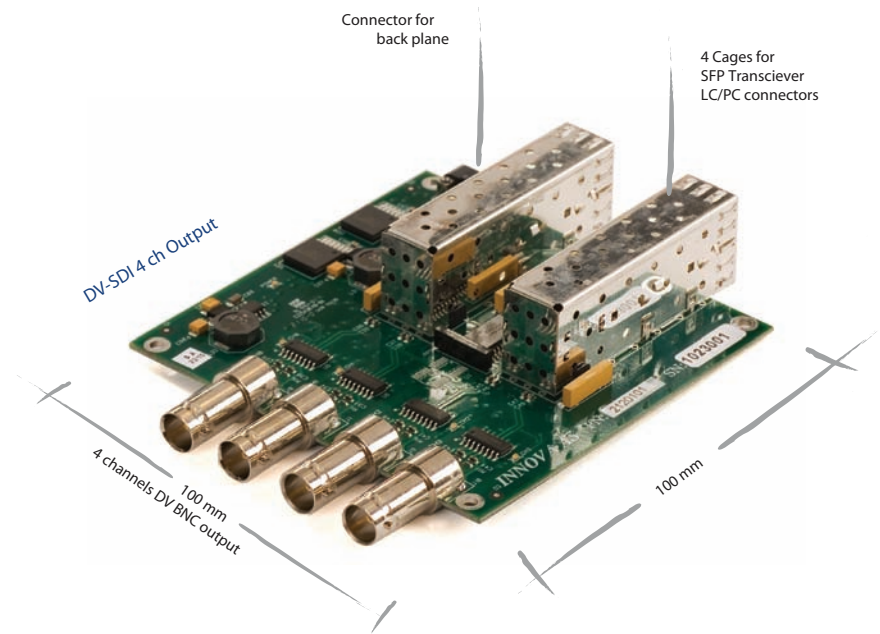
A version of the boards and optics are available for operation in oil-filled, pressure compensated environments. Typical applications for this version are for use in sub-sea systems or in other harsh environments.

Digital Video, HD-SDI

- 4ch of HD-SDI (SMPTE-292M, SMPTE-259M)
- One SFP per used channel

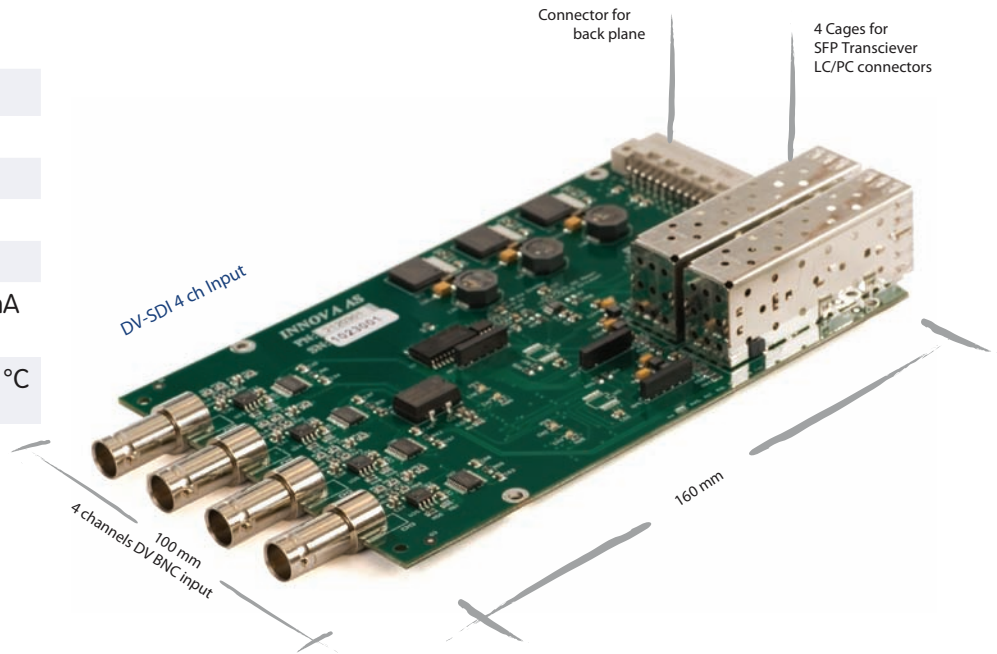
Input Board

- Four SFP cages
- Video connection – BNC
- Board size: 100mm x 100mm
- Voltage: 6 – 12 V
- Typical idle power consumption: 315mA @ 12V, 4 ch. active
- Operating temperature range: -20–70 °C
*SFP temp range may be different
- Two versions of Input boards:
 - Standard
 - Pressure compensated oil (PC) 300 Bar



Output Board

- Four SFP cages
- Video connection – BNC
- Board size: 100mm x 160mm
- Voltage: 6 -12 V
- Typical idle power consumption: 375mA @ 12V, 4ch. active
- Operating temperature range: -20–70 °C
*SFP temp range may be different



Part no

- 21 20 101 DV-SDI 4 ch Input, Standard
- 21 20 201 DV-SDI 4 ch Input, PC 300 Bar
- 21 20 301 DV-SDI 4 ch Output

Note: technical specifications are subject to change without notice. We accept no liability for any inaccuracy or printing errors.