

Dual SDI Single Mode Fibre Transmitter & Receiver.



FEATURES

- Dual channel transmitter version (/TT option)
- Dual channel receiver version (/RR option)
- Single channel transceiver version (/TR option)
- 1310 or 1550nm versions (other wavelengths to order)
- Different wavelengths can be mixed on one module

The V1673 range of fibre optic products offer a wide range of options, allowing for dual channel transmitter, dual channel receiver or single channel transceiver versions.

The V1673 will pass SDI/ASI signals from 143Mbps up to 540Mbps. This module can be fitted into the standard Vistek rack frames, and mixed freely with analogue or digital video or audio modules. This is as a result of a new type of rear connector design which eliminates the cross-talk problems normally associated with mixing different signals in a single frame. The new connector is fully compatible with all existing frames.

This design provides for fully integrated solutions for the transmission of video and audio signals over distances that cannot be accomplished using conventional copper co-axial cable, typically up to 70 km.

The module can be supplied in either 1310nm or 1550nm versions. Other wavelengths between 1470nm and 1610nm can be supplied for CWDM applications.

Technical Specification

Serial Inputs (up to 2)

Format	Compatible with SMPTE 259M
Connector	BNC
Impedance	75 ohms
Return Loss	>15dB, 5MHz - 540MHz
Cable Length	SDI/ASI 0-250m (Belden 8281)
Data Rates	143Mbps, 177Mbps, 270Mbps, 360Mbps, 540Mbps

Serial Outputs (up to 2)

Connector	BNC
Impedance	75 ohms
Return Loss	>15dB, 5-270MHz
Amplitude	800mV p-p terminated
D.C. Offset	0V +/-0.5V
Drive Capability	Up to 250m (Belden 8281)

Ordering Information

V1673/TT/13/13	Dual Fibre SDI only TX @ 1310nm
V1673/TT/15/15	Dual Fibre SDI only TX @ 1550nm
V1673/TT/13/15	Dual Fibre SDI only TX with one channel @ 1310nm and the other @ 1550nm
V1673/TR/13	Single Channel SDI only TX/RX @ 1310nm
V1673/TR/15	Single Channel SDI only @ TX/RX 1550nm
V1673/RR	Dual Fibre SDI only @ 1310nm or 1550nm

Other wavelengths to order.

All Pro-Bel's quoted prices for interface modules include the supply of one suitable rear module. Please specify the type required when placing order:

V16FR3J	3RU
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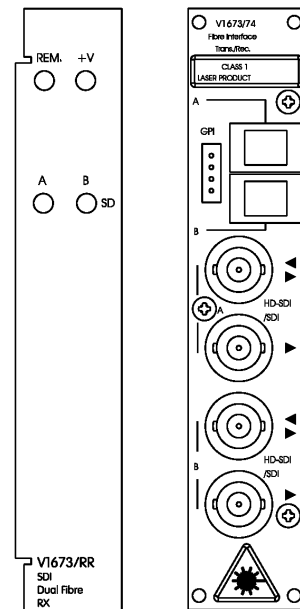
Note: Special versions of rear module are available on request.

Optical Inputs (up to 2)

Connector	Sc / PC with shutter
Optical Wavelength Range	1100nm to 1650nm
Optical Power Input Range	0dBm to -28dBm (typical)
Recommended Cable	Single-Mode

Optical Outputs (up to 2)

Connector	SC / PC with shutter
Laser	FP or DFB
Optical Wavelength	1310nm or 1550nm
Optical Power Output	2 user selectable options Medium -7dBm (typical) High -3dBm (typical)
Transmission Length	Up to 70km @ 270Mb/s Single-Mode Fibre (Corning SMF-28)



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