

## Dual Single Mode HD-SDI Fibre Transmitter & Receiver.



### FEATURES

- HD-SD/SDI
- 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
- Both SDI & HD-SDI can be mixed in the same frame with other V1600 series modules

The V1674 will pass both HD-SDI (1.5 Gbps) or SDI (270Mbps) signals. 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 eliminated the crosstalk problems normally associated with mixing different signals in a single frame. The new connector is fully compatible with all existing frames.

This feature allows system designers to introduce HD-SDI freely, as demand develops and 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. Up to 35 km of fibre can be driven.

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

## Technical Specification

### Serial Inputs (up to 2)

Format	Compatible with SMPTE 292M, 259M
Connector	BNC
Impedance	75 ohms
Return Loss	>15dB, 5MHz - 1.5GHz
Cable Length	HD-SD 0-100m (Belden 1694A) SDI/ASI 0-250m (Belden 8281)
Data Rates	143Mbps, 177Mbps, 270Mbps, 360Mbps, 540Mbps, 1.485Gbps

### Serial Outputs (up to 2)

Connector	BNC
Impedance	75 ohms
Return Loss	>15dB, 5MHz - 1.5GHz
Amplitude	800mV p-p terminated
D.C. Offset	0V +/-0.5V
Drive Capability	HD-SD >100m (Belden 1694A) SDI/ASI >250m (Belden 8281)

### Ordering Information

V1674/TT/13/13	Dual Fibre HD-SDI TX @ 1310nm
V1674/TT/15/15	Dual Fibre HD-SDI TX @ 1550nm
V1674/TT/13/15	Dual Fibre HD-SDI TX with one channel @ 1310nm and the other @ 1550nm
V1674/TR/13	Single Channel HD-SDI/SDI TX/RX @ 1310nm
V1674/TR/15	Single Channel HD-SDI/SDI TX/RX @ 1550nm
V1674/RR	Dual Fibre HD-SDI/SDI RX @ 1310nm or 1550nm

### Optical Inputs (up to 2)

Connector	SC / PC with shutter
Optical Wavelength Range	1100nm to 1650nm
Optical Power Input Range	0dBm to -15dBm (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 35km @ 1.485Gb/s Single-Mode Fibre (Corning SMF-28)

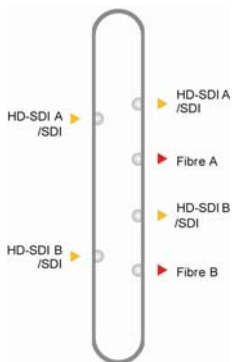
Other wavelengths to order.

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:

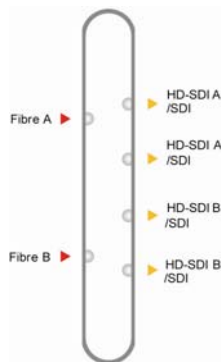
V16FR3J	3RU
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Note: Special versions of rear module are available on request.

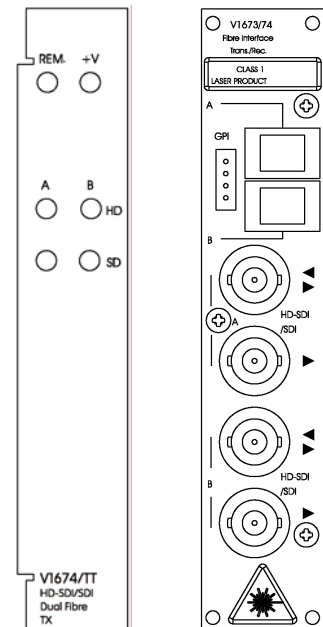
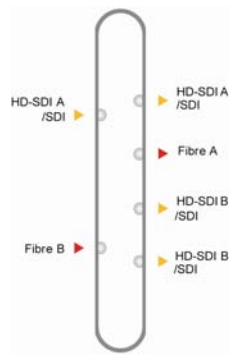
V1674/TT



V1674/RR



V1674/TR



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