



Technical Specifications

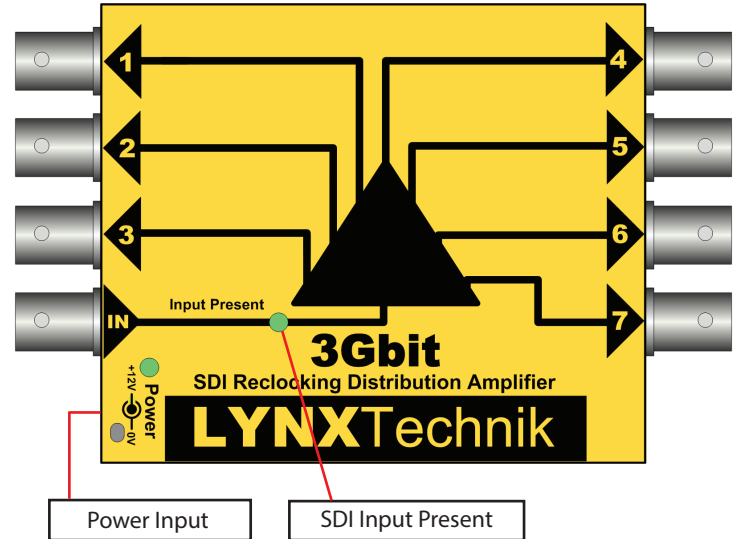
Inputs	1 x SDI - 75 Ohm BNC connector
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 2.97Gbit/s
	Multi-rate reclocking
	Input present LED indication for each channel
Outputs	7 x multi-rate reclocked SDI outputs
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	75 Ohm BNC connectors
	Return Loss: > 15dB to 1.5GHz > 10dB to 3GHz
	Alignment Jitter < 0.2 UI @ 270Mbit/s, < 0.2 UI @ 1.5Gbit/s, < 0.3 UI @ 2.97Gbit/s
Power	Timing Jitter < 0.2 UI @ 270Mbit/s, < 1.0 UI @ 1.5Gbit/s, < 2.0 UI @ 2.97Gbit/s
	+12VDC power supply (included)

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DVD 1817

1>7 3Gbit SDI Distribution Amplifier



Distribution amplifier suitable for SDI /ASI / DVB signals up to 3Gbit. Auto reclocking at 270mbit / 1.5Gbit and 3 Gbit.

All outputs are non-inverting

Connections

All connections are clearly indicated on the module and self explanatory.

Operation

The DVD 1817 has one multi-format SDI input, with seven SDI outputs. The Input bit rate is automatically detected and the signal reclocked at the corresponding clock rate.

The “Signal Present” LED is illuminated when a valid input signal is connected.

The module supports all SDI video standards up to 3Gbit (1080p60Hz) including DVB / ASI video.

Power

The module requires a 12V nominal DC power input and a LED is provided to confirm power is connected. A 12VDC AC power adapter is provided. If applying your own power, please provide a clean DC power source. The module will operate on a DC power input of between 7 and 16 volts DC. Do not exceed 17VDC or damage to the module will result.

Module power consumption is approx 1.3VA

Power Lead Strain Relief

The module has a small hole in the case located above the power connection. To prevent the power lead being accidentally pulled out, use the supplied tie-wrap and secure the lead as shown below.



Optional Mounting Bracket

The optional RFR 1001 mounting bracket can be used to permanently mount the module on any flat surface or on 19” rack rails.



Note:

Another module type is shown for illustration purposes only. The principle is the same for the DVD 1823

