



SDI-002

SERIAL D1 TO RGB MODULE

- Small compact design for pcb mounting
- 8 bit RGB output
- Separate mixed syncs
- RsGsBs (Combined sync) available.
- Auto 625/525 operation
- Fully filtered outputs
- Reclocked SD outputs available.

This interface card accepts D1 serial digits and provides all the necessary filtered analogue signals required for 8-bit monitoring on a pcb mounting module.

Input Requirements

Input	1 x 270 Mb/s serial NRZI (EBU TECH3267, SMPTE RP-259M)
Input Impedance	75 ohm terminating
Line standard	625/50 or 525/60 Auto detection
Equalisation	Automatic up to 40 dB at 200 MHz (Typically 300m of Belden 8281 at 270mb/s)

Output Characteristics

Output format	Either RGB or RsGsBs (As requested.)
Output levels	700 mV \pm 1% not including syncs
Output Impedance	75 ohms
Resolution	8 bit data / 9 bit DAC
Freq Response	< 0.3 dB to 5.5 MHz
Noise	> 60 dB rms to 5.5 MHz

Sync Output Characteristics

Sync output amplitude	2V \pm 5% into 75 ohm
Sync amp. on RsGsBs	300 mV \pm 10 mV into 75 ohm

Other parameters

Power	+5V \pm 0.25V (500 mA max)	- 5V \pm 0.50V (50 mA max)
Operating Temperature	0 ^o C to 40 ^o C	
Aqueous Washable	Yes	
Package	DR00167A	

ORDERING CODES

	Reclocked o/p's	RGB o/p	RsGsBs o/p
SDI-002A	x	√	x
SDI-002B	√	√	x
SDI-002C	x	x	√
SDI-002D	√	x	√

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PACKAGE DETAIL

