

OBSERVE ELECTROSTATIC



SDI-003

SERIAL D1 TO CVBS/YC MODULE

- Small compact design for pcb mounting
- Fully filtered and buffered outputs
- Three CVBS outputs or CVBS + Y/C output
- Auto 625/525 operation
- Reclocked outputs available

This interface card accepts D1 serial digits and provides three analogue Composite video outputs with colour bursts and mixed sync's to allow picture display on a Composite video monitor. An interface card with Y/C output (S-Video) and 1 CVBS output only is available.

Input Requirements

Input	1 x 270 Mb/s serial NRZI (EBU TECH 3267, 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 270Mhz)

Analogue Output Characteristics

Output format	3 CVBS or 1 CVBS and Y/C (As requested)
Output levels	1 V pk-pk including syncs $\pm 2\%$
Impedance	75 ohms
Resolution	8 bit data / 9 bit DAC
Frequency response	± 0.2 dB to 5.5 MHz
Signal-to-Noise ratio	> 60 dB rms to 5.5 MHz

Digital Outputs

Output format	2 reclocked serial o/p's
Impedance	75 ohms
Available	Options B and D only

Other parameters

Power	+ 5V ± 0.25 V (500 mA max) - 5V ± 0.50 V (50 mA max)
Operating Temp.	0°C to 40°C
Aqueous Washable	Yes
Package	DR00168C

ORDERING CODES

	Reclocked o/p's	3 x CVBS o/p's	CVBS, Y and C o/p's
SDI-003A	x	√	x
SDI-003B	√	√	x
SDI-003C	x	x	√
SDI-003D	√	x	√

PACKAGE DETAIL

www.DataSheet4U.com

