

OBSERVE ELECTROSTATIC



SDI-001

SERIAL D1 TO RGB/YP_bP_r AND CVBS MODULE

- Small compact design for pcb mounting
- 10 bit component outputs
- Simultaneous CVBS output
- Re-clocked SD outputs available
- Auto 625/525 operation
- Switchable RGB or YP_bP_r
- Full video bandwidth filtered outputs
- NTSC Setup selection

This interface card accepts D1 serial digits and provides simultaneous component (RGB or YP_bP_r), and composite analogue outputs, together with separate mixed sync's and two re-clocked serial digital D1 outputs. With other features such as the addition of mixed sync's to analogue outputs, Beta level selection, and Narrow or wide blanking selectable via a piano switch, it is anticipated that this versatile module will provide more solutions than just interfacing to most broadcast monitors.

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 270mb/s)

Component Output Characteristics

Output format	Selectable RGB or YP _b P _r
Output levels	700 mV ±1%
Output Impedance	75 ohms
Resolution	10 bit
Freq. Response	< 0.2 dB to 5.5 MHz (RGB or Y), < 0.2 to 2.2 MHz(P _b P _r)
K-rating (2T)	1% typical
Noise	>70 dB rms to 5.5 MHz

Composite Video Characteristics

Output format	CVBS
Output levels	700 mV ±1%
Resolution	9 bit DAC/ 8 bit signal path
Freq. Response	< 0.2 dB to 5.5 MHz
Noise	> 60 dB rms at 5.5 MHz

Sync Output Characteristics

Sync output amplitude	2V ±5% into 75 ohm
Sync amp. on RGB or Y	300 mV ±10 mV into 75 ohm

Other parameters

Power	+ 12V ±0.25V (400 mA max)
Operating Temp.	0°C to 40°C
Aqueous Washable	Yes
Package	DR00158A/ DR00159A

ORDERING CODES

SDI-001A

SDI-001B

Reclocked o/p's

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