



Digital SDI to Analog Composite Converter

The module provides to convert the serial digital video input SDI 270Mbit/sec to analog composite PAL/NTSC signal according to BT470 standard.

After equalization and re-clocking serial digital video input, by using 10 bit D/A resolution and 16xfs Over-sample converter, identifies 50Hz or 60Hz system to regain the analog Composite PAL/NTSC signal.

In case of no digital input the module generates a black bar signal in output port. The VBI data existed in the digital Luminance can be inserting in the composite signal.

The output levels are adjusted via front panel rotary encoder. BNC for digital input with active loop-through outputs and analog outputs are located on rear panel.

Features

- Automatic Equalizing of SDI Input with Two Active Loop-through
- Internal Black Bar in Case of no Digital Input
- Rotary Encoder for DC Level and Gain Adjustment
- Installable in 3RU Digital Studio Subrack

Specifications

SDI Input	
Standard	BT656-3, 270Mb/s
SDI input	BNC(×1), 75 Ω
Equalization	Automatic 40 dB @ 270 MHz
Return loss	>18 dB @ 270 Mb/s
SDI outputs	BNC(×2), 75 Ω , Active loop-through
Analog Output	
Standard	BT470, Composite PAL / NTSC
Connector	BNC (×4), 75 Ω
Amplitude	1 Vp-p with sync
Overall Performance	
Operation	10 bit resolution of input
Analog to Digital	12 bit, 16xFs Over-sample
General	
Power	±5 VDC , 600 mA
Operating humidity	10 to 85%
Operating temperature	0 to +35°C
Dimensions	234 * 125 * 40

