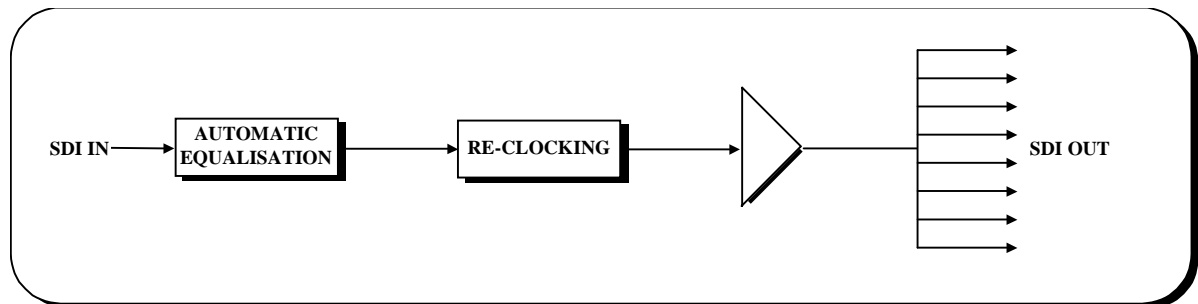


D&A 3401 SDI re-clocking distribution amplifier

Introduction

The 3401 serial digital video re-clocking distribution amplifier is one of the modules in the expanding D&A distribution system. Designed to the highest specification, and meeting all relevant international standards including CE approval, digital and analogue audio and video modules can be mixed within a frame to satisfy a wide variety of interfacing requirements.

Up to 14 modules can be housed in the 3301 3U frame with a single power supply or 12 in the 3302 3U frame with dual power supplies.

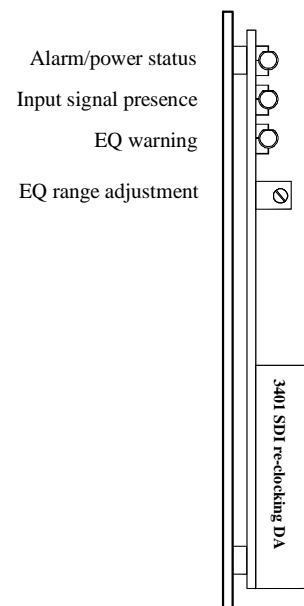


Description

The 3401 is an 8 output module which, together with its associated 3490 rear connector unit, is ideal for distributing serial digital video signals over longer distances (up to 300m PSF1/2, Belden 8281 at 270Mb/s). The module is fully compatible with SMPTE 259M for 143Mb/s NTSC, 177Mb/s PAL, 270Mb/s 525/625 component and the 360Mb/s wide screen formats. Automatic equalisation compensates for input cable lengths of up to 300m (PSF1/2, Belden 8281 at 270Mb/s) and provides a warning if possible bit rate errors increase due to excessive cable lengths. Alarms can be triggered (card alarm LED, frame LED and external alarm) for loss of power, absence of input signal and EQ warning. Card edge LED's show alarm/power status, presence of input signal and EQ range warning. Card edge adjustment is provided to set the range for the EQ warning.

Features

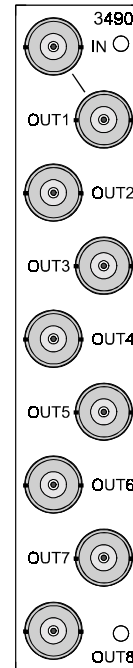
- Cost effective
- Eight outputs
- Automatic input cable equalisation
- Automatic re-clocking
- User defined maximum equalisation warning
- Input signal absence warning
- Suitable for distribution over longer distances (up to 300m)
- SMPTE 259M compatible
- Data rates up to 360Mb/s
- User configurable frame LED/external alarm error warning
- Optional output level adjustment



D&A 3401 SDI re-clocking distribution amplifier

Specification

Input	
Standards	SMPTE 259M 143, 177, 270 & 360Mb/s
Impedance	75Ω
Signal level	800mV ±10%
Connector	BNC
Return loss	>18dB to clock frequency
Equalisation	Up to 300m automatic
Output	
Number	8
Standards	SMPTE 259M 143, 177, 270 & 360 Mb/s
Impedance	75Ω
Signal level	800mV ±10%
Connector	BNC
Return loss	>18dB to clock frequency
DC offset	<500mV
Rise & fall time	0.75 to 1.5nS (amplitude 20% & 80%)
Jitter	<250pS
Other	
User selectable alarm options	Loss of power/loss of input signal/EQ warning
Power supply required	Frames with 3310 6.5V power supplies only
Power Consumption	1.8W
Temperature range	0°C to 45°C
<i>Above measurements relate to the 3401 re-clocking DA with 3490 BNC connector unit housed in the 3301 frame using the 3310 power supply.</i>	



3490 video rear

Ordering information

Part no.	Description	Weight	Height	Width	Depth
3401	SDI re-clocking distribution amplifier	750g	100mm	25mm	220mm
3490	Video BNC rear	100g	100mm	25mm	70mm

We reserve the right to change technical specifications without prior notice. E&OE.

LOCAL
DISTRIBUTOR

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