

DTL MiniBlox™

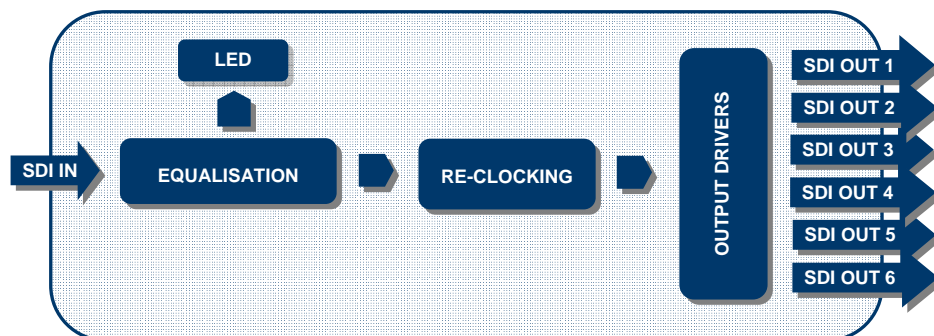
4206 1x6 3G-HD-SD re-clocking distribution amplifier



Description

The 4206 digital video distribution amplifier is an extremely compact and rugged unit that operates with all SDI standards from 270Mbit to 3GHz. Also supports DVB-ASI at 270Mb/s. It has automatic input cable equalisation and provides 6 re-clocked outputs. An LED shows when power and a valid signal are present.

The unit requires an external power supply or a rack mounting frame. A 1RU frame is available which takes up to 5 units and a 2U one that takes up to 14.



Key features

- Automatic 3G, HD, or SD SDI or DVB-ASI at 270Mb/s standard detection
- Automatic input cable equalisation
- 6 re-clocked outputs (when DVB-ASI 3 are inverted)
- LED shows power and valid input signal presence
- Locking connector for power input
- Compact and rugged design
- Optional external power supply
- Optional rack mounting frames with central power supplies

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Specifications	
Video input	
3G	SMPTE 424M & 425M-AB (2.97 & 2.967Gb/s) 1080p50/59.94/60
HD	SMPTE 292M (1.485 & 1.435Gb/s) 1080i 60/59.94/50 1080p/psf 30/29.97/25/24/23.98 720p 60/59.94/50/30/29.97/25/24/23.98
SD	SMPTE 259M-C (270Mb/s) 625i 50 525i 59.94
ASI	DVB-ASI at 270Mb/s
Number	1
Connector	75Ω BNC
Return loss	>15dB to 1.5GHz >10dB 3GHz
Cable equalisation	3G to 100m, HD to 160m, SD to 250m (Belden 1694A)
Video outputs	
Standards	As input
Format	As input
Number	6 (when DVB-ASI 3 are inverted)
Connectors	75Ω BNCs
Jitter	<0.2ui peak-to-peak
Return loss	>15dB to 1.5GHz >10dB 1.5 to 2.97GHz
Electrical	
Voltage	6-12VDC
Power	<1.5W
Connector	Locking 2.5mm jack (centre +ve)
Safety	EN60950
Other	
LED	Power and valid input presence
Size (mm)	63.5 x 84 x 30 plus connectors
Weight	175g
Temperature	5°C to 40°C
Humidity	80% max (non condensing)

Options	
4006	Desktop power supply with IEC inlet
4010	1U rack mounting frame for up to 5 units including PSU
4020	2U rack mounting frame for up to 14 units & single or dual PSUs
4021	Power supply for 4020 2U frame

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