

EU declaration of conformity

We certify that this apparatus conforms to the requirements of the EMC and Low Voltage Directives. Emissions EN 55103-1, susceptibility EN 55103-2 and safety EN 60950-1 2002.

29 September 2008



Warranty

The ISIS Group warrants this unit against defects in materials and workmanship for a period of one year from the date of shipment. At its option, the company will repair or replace products that prove to be defective during the warranty period, provided they are returned to the company with advance notification and with freight prepaid. ISIS Group's policy states that all repairs are only conducted by an authorized representative of the company. As a result any unauthorized repair or attempted repair will automatically void the warranty.

When a distributor supplies the company's products, that distributor should be approached initially if there are any warranty problems.

The company makes no other warranties, express or implied, as to the merchantability, fitness for a particular purpose, or otherwise. The company's liability for any cause, including breach of contract, breach of warranty, or negligence, with respect to products sold by it, is limited to repair or replacement by the company, at its sole discretion. This remedy is exclusive. In no event shall the company be liable for any incidental or consequential damages, including loss of profits.

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MiniBloxTM

**4206 1x6 3G HD-SD reclocking
distribution amplifier**

User Manual

Latest information available at:
www.isis-group.com
www.miniblox.com

MiniBlox™ - solutions in a box

General description

The 4206 digital video distribution amplifier is an extremely compact and rugged unit that operates with all SDI standards from 270Mbit to 3GHz. It has automatic input cable equalization 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 2RU that takes up to 14.



Installation and operation

The unit is simple to use and install.

- Connect a valid SDI input.
- Connect SDI outputs.
- Apply power to the unit either via the locking power connector from the external power supply or 1U rack frame, or by sliding into the 2U rack mounting frame with central power supplies.
- The LED will be green when there is power and a valid SDI signal present.
- The mounting bracket supplied can be used to install a MiniBlox unit. The bracket should first be fixed vertically to any surface. The MiniBlox can then be lowered onto the dovetail part of the bracket with the front endplate uppermost to retain it.

Specifications

Video input

3G	SMPTE 424M & 424M-AB (2.97 & 2.967Gb/s) 1080p 60/59.94/50
HD	SMPTE 292M (1.485 & 1.435Gb/s, 1080i 60/59.94/50 1080p/pfs 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) 525i 59.94, 625i 50
Return loss	>15dB to 1.5GHz >10dB 1.5 to 2.97GHz
Cable equalization	3G to 100m, HD to 160m, SD to 200m (Belden 1694A)

Video output

Standards	As input
Format	As input
Number	6
Jitter	<0.2ui peak-to-peak
Return loss	>15dB to 1.5GHz >10dB 1.5 to 2.97GHz

Power

Voltage	6-12V DC
Power	<1.5W
Power connector	Locking 2.5mm jack connector (center +v)

Other

LEDs	Show power & signal presence
Temperature range	5°C to 40°C
Dimensions	3 1/4" x 2 1/2" x 1 1/8" (excluding connectors)
Weight	9oz

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

