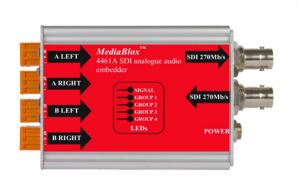
# MediaBlox

### 4461A SDI analogue audio embedder





### **Description**

The 4461A SDI analogue audio embedder inserts two balanced stereo audio pairs into the ancillary data space of a 270Mb/s SDI signal.

The analogue input is sampled at 24 bits and can be embedded as 20 or 24 bit audio. Embedding conforms to SMPTE 272M and allows audio to be inserted into any of the four groups. Existing audio groups can be added to or completely removed. Digital silence is inserted when an audio feed is absent. There is automatic input cable equalisation and a re-clocked SDI output is provided.

The unit is housed in an extremely compact and rugged aluminium case and is suitable for both field and studio applications.

#### **Features**

- Inserts two balanced analogue audio stereo pairs into any group
- High quality 24 bit audio ADC
- Replaces or adds to existing audio
- Automatic detection of 525/625
- Selectable 20 or 24 bit embedding
- Adjustable full scale input levels to meet all international standards
- LEDs show group status and input signal presence
- Automatic input cable equalisation to over 350m
- EDH generation
- Extremely compact and rugged

#### **Control switches**

- Audio group select
- Append or overwrite audio
- 20/24 bit embedding
- Input level adjustment
- Pass/generate EDH

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#### **Specifications**

**SDI** input Standards

Connector Signal level Return loss

Cable equalisation SDI output

Standards

Connector Signal level

DC offset Return loss

Audio embedding Standards Embedding

SMPTE 259M 270Mb/s 525/625 SDI  $75\Omega$  BNC

 $800 \text{mV p-p} \pm 10\%$  (terminated) >15dB to 270MHz

> 350m automatic (Belden 8281)

SMPTE 259M 270Mb/s 525/625 SDI

 $75\Omega$  BNC  $800 \text{mV p-p} \pm 10\%$  (terminated)

±100mV >18dB to 270MHz

SMPTE 272M 20 or 24 bits

Analogue audio input

Standard Balanced analogue audio Number 2 stereo pairs

Impedance  $20k\Omega$ Max 0dBFS=+26dBu/ Min 0dBFS=+12dBu Input level

Quantisation Connector Removable screw terminals

Power Voltage

6-12V DC 470mA at 6V Current

Power connector Locking 2.5mm jack connector

Other **LEDs** 

Weight

Locking 2.5mm jack connector (centre +ve)  $0^{\circ}C$  to  $40^{\circ}C$ Temperature range Dimensions

63.5mm x 84mm x 30mm (excluding

connectors)

#### **Ordering information**

4461A SDI analogue audio embedder 4010 1U rack mounting frame for up to 5 units including PSU 4006 Desktop power supply with IEC320 C14 inlet

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