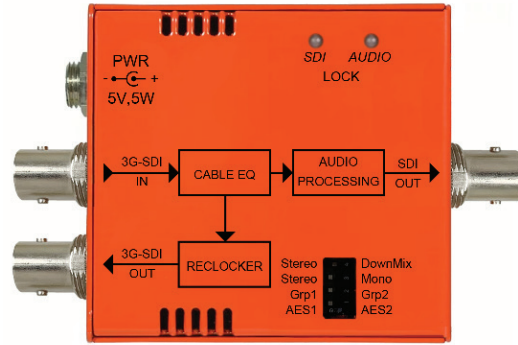


### FEATURES

- ▷ Source Group Selection
- ▷ Input SDI EQ
- ▷ Reclocked SDI Loop Out
- ▷ Locking DC Power Input

### APPLICATIONS

- ▷ Pre MPEG Encoder Downmixing
- ▷ Broadcast Confidence Monitoring
- ▷ Embedded Audio Channel Mapping Conformance

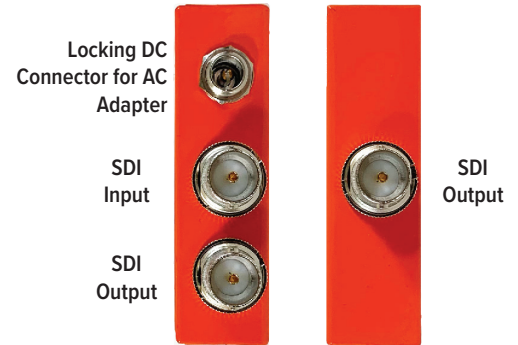


The NanoBrix NBX-5.1-DMX-PCM-3G is a broadcast quality miniature 3G/HD/SD-SDI Embedded Audio Downmixer.

Using the recessed DIP Switch for set and forget settings the NBX-5.1-DMX-3G can take embedded discrete multichannel audio and provide a stereo downmix that is re-embedded into the processed SDI output. This feature makes the NBX-5.1-DMX-PCM-3G ideally suited to downmix audio prior to encoding the SDI signal into an OTT stream and extends the life of any downstream 2 Channel audio monitoring equipment.

The NBX-5.1-DMX-PCM-3G accepts one SDI signal and provides one reclocked output. Additionally the unit provides an SDI output that has the processed audio embedded into it.

Two bi-color LED's located on the front of the unit provide a status indication that a valid SDI signal is present on the SDI input along with indication of embedded audio present within the SDI signal. If a valid SDI signal is present the SDI LED will be illuminated green if a valid SDI signal is not present the LED will be illuminated red therefore indicating power is present.



The Audio LED will be illuminated green if embedded audio is present in the SDI signal otherwise it will be illuminated red.

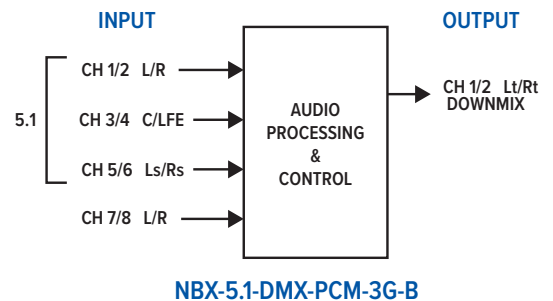
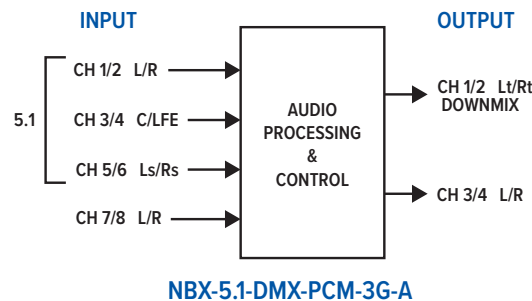
Currently there are 2 different versions of audio mapping available. The standard (A) version takes the 5.1 audio located on embedded audio channels 1 through 6 and provides a Lt/Rt downmix re-embedded back on to channels 1/2 while moving the stereo pair on channels 7/8 to channels 3/4 on the output.

The second (B) version takes the 5.1 audio located on embedded audio channels 1 through 6 and provides a Lt/Rt downmix re-embedded back on to channels 1/2 while muting all the other audio channels on the output.

Please consult with your sales representative for other audio mapping requirements.

Power is provided to the NBX-5.1-DMX-PCM-3G using the included +5VDC adapter that uses a threaded locking DC power connector for added protection against loss of power.

### EMBEDDED AUDIO CHANNEL ALLOCATION



### ORDERING INFORMATION

Part #	Description
NBX-5.1-DMX-PCM-3G-A	3G/HD/SD-SDI Embedded Audio Downmixer with A Output Mapping. Includes Power Supply.
NBX-5.1-DMX-PCM-3G-B	3G/HD/SD-SDI Embedded Audio Downmixer with B Output Mapping. Includes Power Supply.