

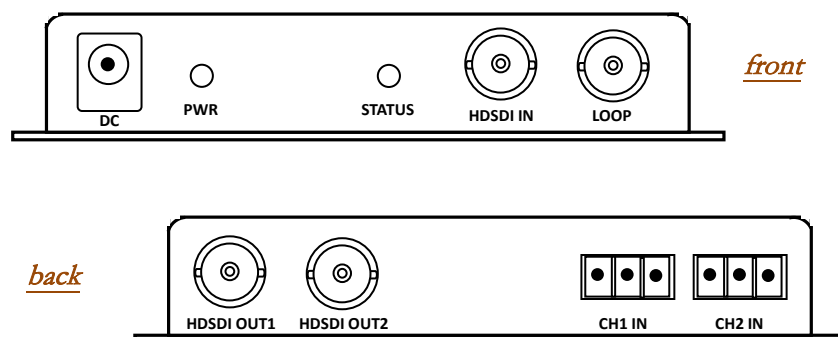
### Description

Based on Mini BOX platform, MIO-EMB-HDSDI is a small embedder which can convert two channel analog audio and one HD/SD-SDI video to embedded HD/SD-SDI.

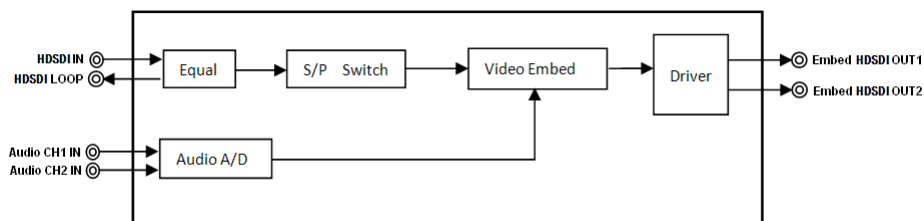
The lights on the Mini box indicate the states of source signal and power, so as to let the user know the information immediately.

Be known for compact function, the converter is widely used in variety of environments, like TV program post production, studio, broadcast, etc.

### Interface (Refer to real product)



### Block Diagram



### Ordering Information

<b>MIO-EMB-HDSDI</b>	HD/SD-SDI dual analog audio embedder
<b>MIO-Demux-HDSDI</b>	HD/SD-SDI AES Audio De-embedder - dual analog audio outputs

### Key Features

- Convert one channel digital video and two channel analog audio to one embedded HD/SD-SDI effectively
- Adopt 3-pin as audio interface
- Support variety of HD format outputs
- Broadcast quality with 20 bit processing, 24 bit audio processing
- Indicate lights tell the states of source signal and power immediately
- Based on Mini BOX platform, with high performance, widely used in the fields of studio, broadcast and other places

### Specifications

#### Digital Video Input:

Input interface:	1*HD/SD-SDI, BNC connector
Impedance:	75ohms
Format:	SMPTE 292M; 1.5Gbit/s SMPTE 259M-C; 270Mb/s
Max cable length:	<200m (Belden8281)

#### Digital Video Output:

Output interface:	2*HD/SD-SDI, BNC connector
Impedance:	75ohms
Format:	SMPTE 292M; 1.5Gbit/s SMPTE 259M-C; 270Mb/s
Jitter:	<0.2UI
Amplitude:	800mV ± 5%

#### Analog Audio Input:

Input interface:	2*3pin (balanced)
Impedance:	600ohms
Max level:	+24dBu

#### Status Indication:

Input/Power states (Indicate by shining or extinguishing of the red and green LED)

#### Physics:

Power:	9VDC 1.6A
Size:	123mm*92mm*29mm