

# D21m 3G SDI Input Card (8/16 CH)

Studer has introduced a new version of the SDI 16-channel de-embedder card for the D21m I/O system that can be used on any Studer Vista, OnAir or Router product. The card is able to de-embed 8 or 16 audio channels from SDI-SD as well as from SDI-HD and 3G (full HD) video streams and acts as an 8- or 16-channel input card in the D21m system.

The SDI standard defines up to 16 audio channels transmitted within a video signal. These 16 channels are divided into four groups of four each. The user can determine by hardware switches whether all four groups, or only groups 1&2, or only groups 3&4 will be de-embedded.

The card hosts SRCs (sampling rate converters) that are bypassed per default. When bypassed, the SDI card is fully compatible to receiving embedded Dolby® E audio data. The SRCs can be enabled in case the audio extracted from the SDI stream is not in sync with the local system. This means

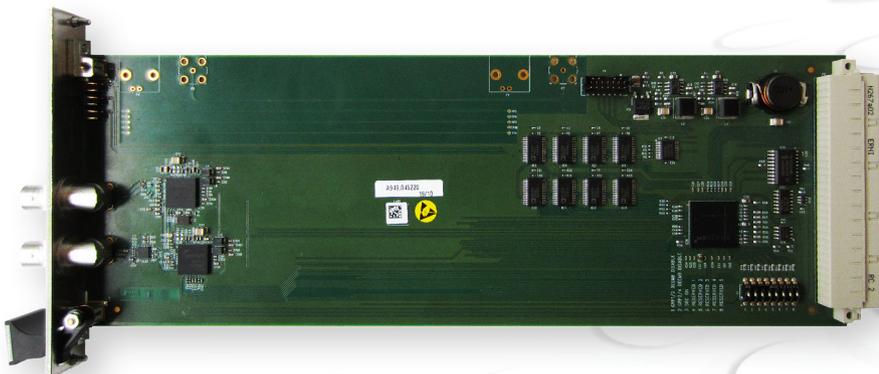
that the mixing console can run fully independent of the video sync used for SDI.

The new SDI card replaces the existing card A949.044121 that will be discontinued.



The D21m SDI line includes now:

- A949.045220 (new)  
3G/HD/SD SDI De-embedder card  
(8/16 channels)
- A949.044200  
HD/SD SDI Embedder/De-embedder card (8 channels)
- A949.045124  
3G/HD/SD SDI Embedder/De-embedder card (8/16 channels).



## Technical Specifications

Operating modes:

8- or 16-ch console input

Selectable SDI groups: 1&2, 3&4, or all

Connectors: In, Through (BNC, 75 Ω)

Cable length: max. 50 m

Latency (de-embedder):

< 360 μs + SRC delay if active

Current consumption (5 V): 0.9 A

Operating temperature: 0-40 °C

**STUDER**  
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