

# MUX200

Digital Audio Embedder

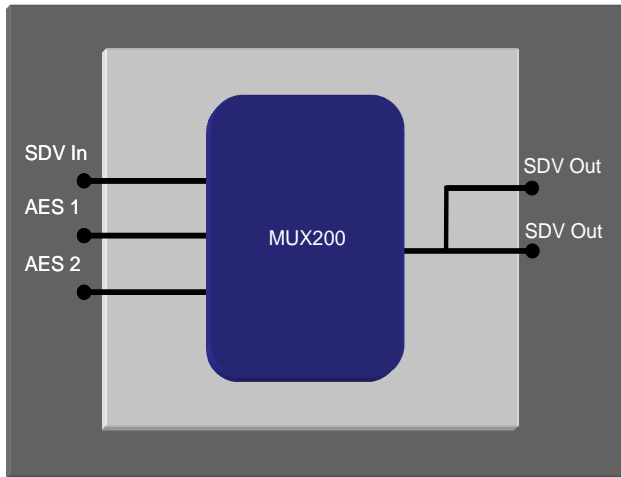
INSERTERS

SWITCHES

CONVERSION

KEYERS

MIXERS



Inserts AES into SDV (270Mb/s)

Insert audio into any AES group

Append or replace existing audio

Digital silence on loss of AES input



The Microvideo MUX200 Audio Embedder is designed to insert two stereo AES/EBU digital audio inputs into a serial digital video source. It conforms to SMPTE 272M and allows the audio to be put into any of the four audio groups. The embedder can also append to, or overwrite audio that is already present. By using multiple units, up to sixteen channels of audio can be embedded into the digital video signal. Digital silence is internally generated and inserted if an audio source is missing. The MUX200 embedder is a very compact eurocard size board allowing up to 6 modules in a 1U rack, making it ideal for multi-channel applications.

## MicroVideo

Copley Hill Farm  
Babraham  
Cambridge  
England, CB22 3GN  
t: +44 (0) 1223 834119  
f: +44 (0) 1223 834471  
w: [www.microvideo.co.uk](http://www.microvideo.co.uk)

# MUX200

## Technical Information

INSERTERS

SWITCHES

CONVERSION

KEYERS

MIXERS

- Inputs:** Serial Digital Video (270Mb/s) to EBU Tech 3267-E and SMPTE 259M.
- Outputs:** Serial Digital Video conforming to EBU Tech 3267-E and SMPTE 259M with embedded audio according to SMPTE 272M-A.  
Two digital audio stereo pairs conforming to the AES/EBU specifications as described in EBU tech 3250-E (or AES-3-1992) Input on a single 15 way D type socket.  
Unbalanced 75R inputs are available as an option.
- Control:** DIP switches select : Audio group to embed the AES inputs into  
Append or overwrite existing audio  
Audio embed on/off (bypass)  
625/525 line standard select  
LED indication of AES/EBU input present and audio already embedded on SDV input.
- Physical:** Eurocard size module for mounting in our 1U or 3U frames.
- Power usage:** 6W
- Frames:** Up to 6 modules will fit in a Microvideo 1U frame and 15 in a 3U frame.
- Ordering:**
- |         |  |
|---------|--|
| MUX200  | Digital audio embedder                                   |
| FR1U-20 | 1U rack mounting frame for series 200 cards (dual PSU)   |
| FR3U-10 | 3U rack mounting frame for series 200 cards (single PSU) |
| FR3U-20 | 3U rack mounting frame for series 200 cards (dual PSU)   |
| -CB     | Control Bus wiring for 3U frame                          |

MicroVideo

Copley Hill Farm  
Babraham  
Cambridge  
England, CB22 3GN  
t: +44 (0) 1223 834119  
f: +44 (0) 1223 834471  
w: [www.microvideo.co.uk](http://www.microvideo.co.uk)