

Which audio embedder do you need?



TANDEM 310

TANDEM 320

Input formats
(50Hz and 59.94Hz where unspecified)

1080p, 1080PsF24, 1080PsF23.98, 720p,
1080i, 625i, 525i

1080p, 1080PsF24, 1080PsF23.98, 720p,
1080i, 625i, 525i

Single or dual channel

Single

Dual

Embed and de-embed at same time

●

●

Embed/de-embed digital audio

●

●

Embed/de-embed analogue audio

●

●

Embed/de-embed synchronous Dolby E

●

●

Number of internal audio groups processed

4

4 per channel

Number of external I/O channels available
for embedding/de-embedding

AES: 8 stereo pairs
Analogue audio: 8 mono

AES: 4 stereo pairs per video channel
Analogue audio: 4 mono per video channel

Number of piggybacks used

2
(DIOP4, 3G-AIP2, 3G-AOP2)

1 per channel
(DIOP4, 3G-AIP2, 3G-AOP2)

Audio routing

Mono routers auto configured according to
options fitted

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options fitted

Minimum embedding audio delay

<200us

<200us

Additional audio delay

400ms

400ms

Minimum video delay

1 line

2 lines

Additional video delay

Up to 10 frames additional user delay in
one frame steps

Number of video outputs (max)

2

1 per channel

Audio resampling

●

●

Audio processing (gain, stereo to mono)

●

●

Video proc-amp (RGB and YUV lift and gain)

●

Comprehensive signal monitoring
(video and audio alarms)

●

●

Fibre I/O

●

Max channels in 2U (depends on rear module)

12

24

Min frame slots used (depends on rear module)

1

1