



Which audio embedder do you need?

			
	TANDEM 310	TANDEM 320	TANDEM10-VF
Frame system	Indigo (2U, 1U, DTB)	Indigo (2U, 1U, DTB)	Vision (3U)
Product type	Card	Card	Card
Input formats (50Hz and 59.94Hz where unspecified)	1080p, 1080PsF24, 1080PsF23.98, 720p, 1080i, 625i, 525i	1080p, 1080PsF24, 1080PsF23.98, 720p, 1080i, 625i, 525i	1080p, 1080PsF24, 1080PsF23.98, 720p, 1080i, 625i, 525i
Single or dual channel	Single	Dual	Single
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	4
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	AES: 8 stereo pairs Analogue audio: 8 mono
Number of piggybacks used	2 (DIOP4, 3G-AIP2, 3G-AOP2)	1 per channel (DIOP4, 3G-AIP2, 3G-AOP2)	2 (DIOP4, 3G-AIP2, 3G-AOP2)
Audio routing	Mono routers auto configured according to options fitted	Mono routers auto configured according to options fitted	Mono routers auto configured according to options fitted
Minimum embedding audio delay	<200us	<200us	<200us
Additional audio delay	400ms	400ms	400ms
Minimum video delay	1 line	2 lines	<1 line
Additional video delay	Up to 10 frames additional user delay in one frame steps		Up to 10 frames additional user delay in one frame steps
Number of video outputs (max)	2	1 per channel	4
Audio resampling	●	●	●
Audio processing (gain, stereo to mono)	●	●	●
Video proc-amp (RGB and YUV lift and gain)	●		●
Comprehensive signal monitoring (video and audio alarms)	●	●	●
SNMP control	Available to purchase	Available to purchase	Complimentary
Fibre I/O	● (FIP, FOP, FIO)		● (FIP-VF, FOP-VF, FIO-VF)
Max channels in 2U (depends on rear module)	12	24	
Maximum channels in 3U (depends on rear module)			20
Min frame slots used (depends on rear module)	1	1	1