



Which audio embedder do you need?

	 VISION SYSTEM	 INDIGO SYSTEM	
	TANDEM10-VF	TANDEM 310	TANDEM 320
Frame system	Vision (3U)	Indigo (2U, 1U, DTB)	Indigo (2U, 1U, DTB)
Product type	Card	Card	Card
Input formats	625i, 525i, 720p50, 720p59.94, 1080i50, 1080i59.94, 1080p50, 1080p59.94, 1080PsF23.98, 1080PsF24	625i, 525i, 720p50, 720p59.94, 1080i50, 1080i59.94, 1080p50, 1080p59.94, 1080PsF23.98, 1080PsF24	625i, 525i, 720p50, 720p59.94, 1080i50, 1080i59.94, 1080p50, 1080p59.94, 1080PsF23.98, 1080PsF24
Single or dual channel	Single	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	4 per channel
Number of external I/O channels available for embedding/de-embedding	AES: 8 stereo pairs Analogue audio: 8 mono	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)	2 (DIOP4, 3G-AIP2, 3G-AOP2)	1 per channel (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	1 line	2 lines
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)	4	2	1 per channel
Audio resampling	●	●	●
Audio processing (gain, stereo to mono)	●	●	●
Video proc-amp (RGB and YUV lift and gain)	●	●	
Comprehensive signal monitoring (see product brochures for full details)	●	●	●
SNMP control	Complimentary	Available to purchase	Available to purchase
Fibre I/O	● (FIP-VF, FOP-VF, FIO-VF)	● (FIP, FOP, FIO)	
Frame slots used	1 or 2, depending on rear module	1 or 2, depending on rear module	1 or 2, depending on rear module
Embedders in frame (max)	20 in 3U (10 with VR13)	12 in 2U (6 with RM61, RM70 and RM74)	24 in 2U (12 with RM72) (NB. Dual channel product)