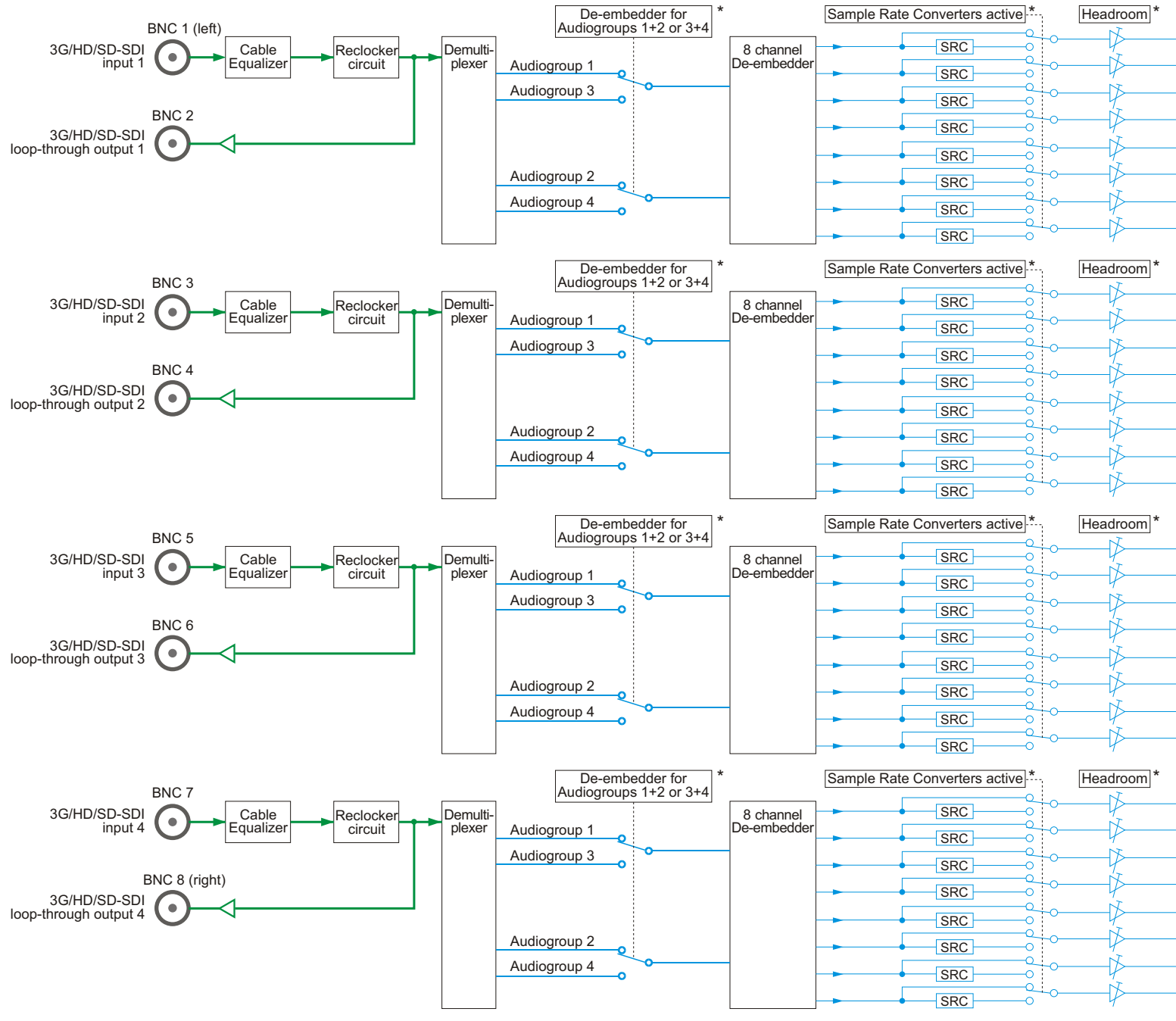


Overview - 52-7170A - XC Quad 3G/HQ/SD-SDI De-embedder



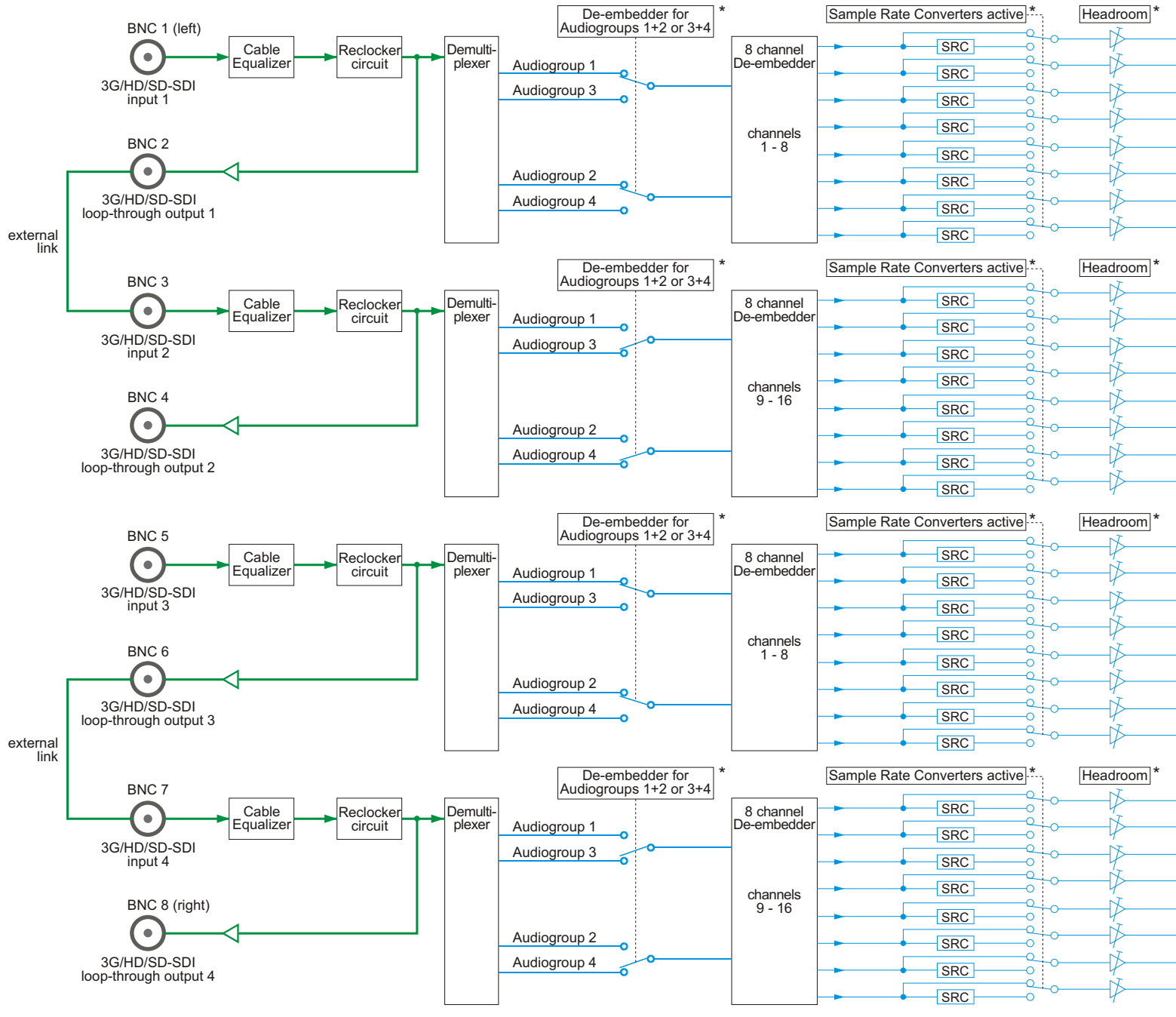
Sample Rate Converters active:
XC/XD/XS Core may operated asynchronous to the SDI Video sync.

Sample Rate Converters bypass:
XC/XD/XS Core needs to be operated synchronous to the SDI Video sync., use for transparent AES3/EBU (Dolby E).

*) Settings are adjustable in the Toolbox5 "Audio and Logic I/O Configuration"

Specifications and design are subject to change without notice.
The content of this document is for information only. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does neither convey nor imply any license under patent- or other industrial or intellectual property rights.

52-7170A used as Dual 16-channel 3G/HD/SD-SDI De-embedder



Sample Rate Converters active:
XC/XD/XS Core may operated asynchronous to the SDI Video sync.

Sample Rate Converters bypass:
XC/XD/XS Core needs to be operated synchronous to the SDI Video sync., use for transparent AES3/EBU (Dolby E).

*) Settings are adjustable in the Toolbox5 "Audio and Logic I/O Configuration"

Specifications and design are subject to change without notice.
The content of this document is for information only. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does neither convey nor imply any license under patent- or other industrial or intellectual property rights.

32 channels → APC to XC/XD/XS Core/Concentrator

Supported Video Formats				Tested Video Formats			
SMPTE			Active Video Area		Phabrix Test-Generator	Lynx "Testor" Test-Generator	Format tested
3G Video Formats, 3 GBit/s							
425M	3G	Level A	4:2:2 1920x1080/60	1:1	3G-A 1080p 60 YcbCr-422-10		ok
425M	3G	Level A	4:2:2 1920x1080/59.94	1:1	3G-A 1080p 59.94 YcbCr-422-10		ok
425M	3G	Level A	4:2:2 1920x1080/50	1:1	3G-A 1080p 50 YcbCr-422-10		ok
425M	3G	Level B, DS1 and DS2	4:2:2 1920x1080/60	2:1	3G-B 1080p 60 YcbCr-422-10		ok
425M	3G	Level B, DS1 and DS2	4:2:2 1920x1080/59.94	2:1	3G-B 1080p 59.94 YcbCr-422-10		ok
425M	3G	Level B, DS1 and DS2	4:2:2 1920x1080/50	2:1	3G-B 1080p 50 YcbCr-422-10		ok
425M	3G	Level B	4:2:2 1920x1080/30		3G-B 2str 1080p 30 YcbCr-422-10		ok
425M	3G	Level B	4:2:2 1920x1080/29.97		3G-B 2str 1080p 29.97 YcbCr-422-10		ok
425M	3G	Level B	4:2:2 1920x1080/25		3G-B 2str 1080p 25 YcbCr-422-10		ok
425M	3G	Level B	4:2:2 1920x1080/24		3G-B 2str 1080p 24 YcbCr-422-10		ok
425M	3G	Level B	4:2:2 1920x1080/23.98		3G-B 2str 1080p 23.98 YcbCr-422-10		ok
425M	3G		4:4:4 1920x1080/60	2:1			
425M	3G		4:4:4 1920x1080/59.94	2:1			
425M	3G		4:4:4 1920x1080/30	PsF			
425M	3G		4:4:4 1920x1080/29.97	PsF			
425M	3G		4:4:4 1920x1080/50	2:1			
425M	3G		4:4:4 1920x1080/25	PsF			
425M	3G		4:4:4 1280x720/60	1:1			
425M	3G		4:4:4 1280x720/59.94	1:1			
425M	3G		4:4:4 1280x720/50	1:1			
425M	3G		4:4:4 1920x1080/30	1:1			
425M	3G		4:4:4 1920x1080/29.97	1:1			
425M	3G		4:4:4 1920x1080/25	1:1			
425M	3G		4:4:4 1280x720/25	1:1			
425M	3G		4:4:4 1920x1080/24	1:1			
425M	3G		4:4:4 1920x1080/23.98	1:1			
425M	3G		4:4:4 1280x720/24	1:1			
425M	3G		4:4:4 1280x720/23.98	1:1			
HD Video Formats, 1.5 GBit/s							
260M	HD		1920x1035/60	2:1	HD 1035i 60 YcbCr-422-10		ok
260M	HD		1920x1035/59.94	2:1	HD 1035i 59.94 YcbCr-422-10		ok
295M	HD		1920x1080/50	2:1			
274M	HD		1920x1080/60	2:1	HD 1080i 60 YcbCr-422-10	1080i 60	ok
274M	HD		1920x1080/59.94	2:1	HD 1080i 59.94 YcbCr-422-10	1080i 59.94	ok
274M	HD		1920x1080/30	PsF	HD 1080sF 30 YcbCr-422-10		ok
274M	HD		1920x1080/29.97	PsF	HD 1080sF 29.97 YcbCr-422-10		ok
274M	HD		1920x1080/50	2:1	HD 1080i 50 YcbCr-422-10	1080i 50	ok
274M	HD		1920x1080/25	PsF	HD 1080sF 25 YcbCr-422-10	1080psF 25	ok
274M	HD		1920x1080/30	1:1	HD 1080p 30 YcbCr-422-10	1080p 30	ok
274M	HD		1920x1080/29.97	1:1	HD 1080p 29.97 YcbCr-422-10	1080p 29.97	ok
274M	HD		1920x1080/25	1:1	HD 1080p 25 YcbCr-422-10	1080p 25	ok
274M	HD		1920x1080/24	1:1	HD 1080p 24 YcbCr-422-10	1080p 24	ok
274M	HD		1920x1080/23.98	1:1	HD 1080p 23.98 YcbCr-422-10	1080p 23.98	ok
274M	HD		1920x1080/24	PsF	HD 1080sF 24 YcbCr-422-10	1080psF 24	ok
274M	HD		1920x1080/23.98	PsF	HD 1080sF 23.98 YcbCr-422-10	1080psF 23.97	ok
274M	HD		1920x1080/25	1:1 EM			
274M	HD		1920x1080/25	PsF EM			
274M	HD		1920x1080/24	1:1 EM			
274M	HD		1920x1080/23.98	1:1 EM			
274M	HD		1920x1080/24	PsF EM			
274M	HD		1920x1080/23.98	PsF EM			
296M	HD		1280x720/30	1:1 EM	HD 720p 30 YcbCr-422-10	720p 30	ok
296M	HD		1280x720/29.97	1:1 EM	HD 720p 29.97 YcbCr-422-10	720p 29.97	ok
296M	HD		1280x720/30	1:1 EM			
296M	HD		1280x720/29.97	1:1 EM			
296M	HD		1280x720/50	1:1	HD 720p 50 YcbCr-422-10	720p 50	ok
296M	HD		1280x720/50	1:1 EM			
296M	HD		1280x720/25	1:1	HD 720p 25 YcbCr-422-10	720p 25	ok
296M	HD		1280x720/25	1:1 EM			
296M	HD		1280x720/24	1:1	HD 720p 24 YcbCr-422-10	720p 24	ok
296M	HD		1280x720/23.98	1:1	HD 720p 23.98 YcbCr-422-10	720p 23.97	ok
296M	HD		1280x720/24	1:1 EM			
296M	HD		1280x720/23.98	1:1 EM			
296M	HD		1280x720/60	1:1	HD 720p 60 YcbCr-422-10	720p 60	ok
296M	HD		1280x720/59.94	1:1	HD 720p 59.94 YcbCr-422-10	720p 59.94	ok
296M	HD		1280x720/60	1:1 EM			
296M	HD		1280x720/59.94	1:1 EM			
SD Video Formats, 270 Mbit/s							
125M	SD		1440x487/60	2:1			
125M	SD		1440x487/59.94	2:1	SD 525i 59.94 YcbCr-422-10	525	ok
125M	SD		1440x487/60	2:1			
125M	SD		1440x487/59.94	2:1			
125M	SD		1440x507/60				
125M	SD		1440x507/59.94				
125M	SD		1440x507/60				
125M	SD		1440x507/59.94				
125M	SD		525-line 487 generic				
125M	SD		525-line 507 generic				
ITU-R BT.656	SD		1440x576/50	2:1	SD 625i 50 YcbCr-422-10	625	ok
ITU-R BT.656	SD		dual link progressive				
ITU-R BT.656	SD		625-line generic				

Specifications and design are subject to change without notice. The content of this document is for information only. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does neither convey nor imply any license under patent rights or other industrial or intellectual property rights.