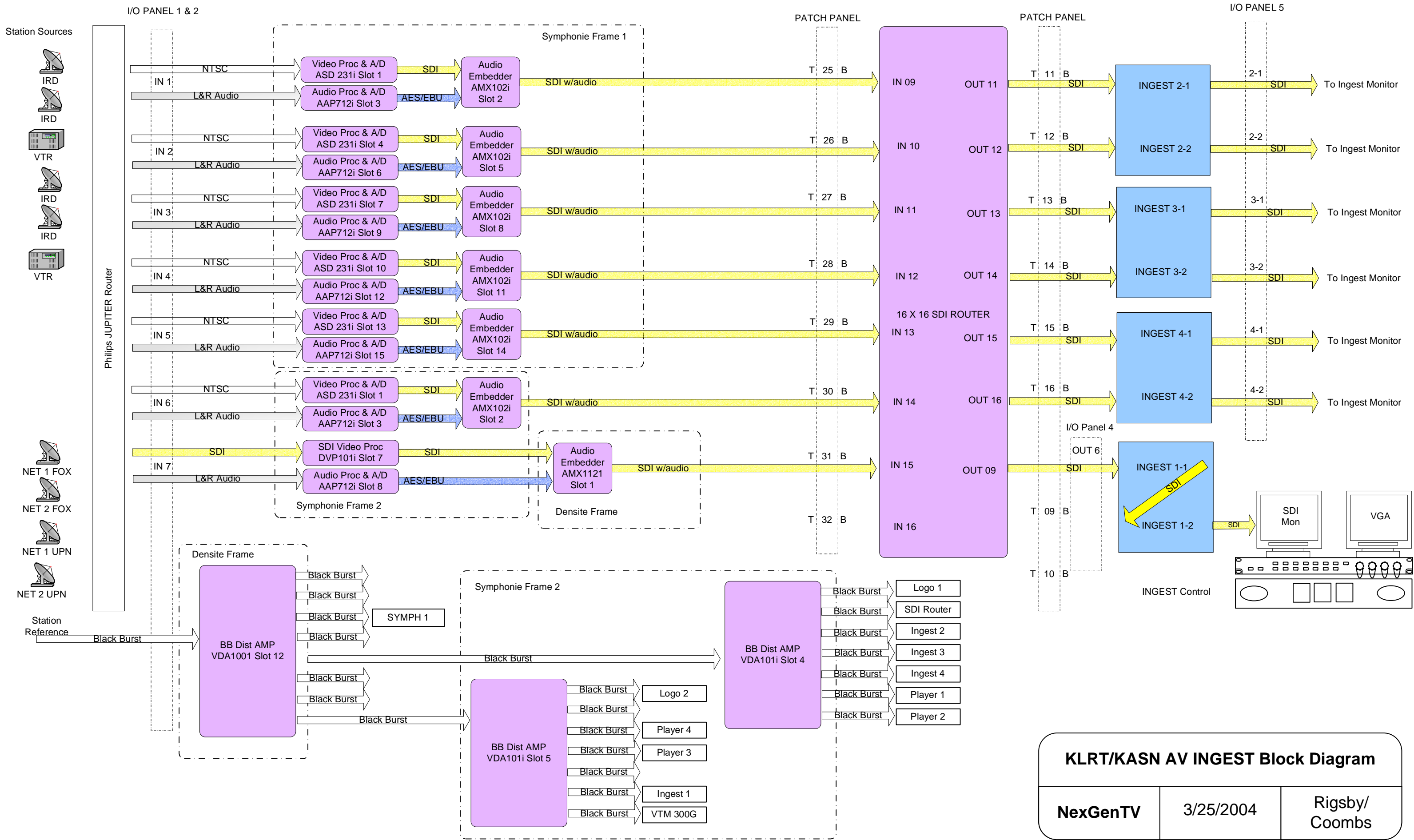


KLRT/KASN Rack Elevation		
NexGen TV	3/25/2004	Rigsby/ Coombs

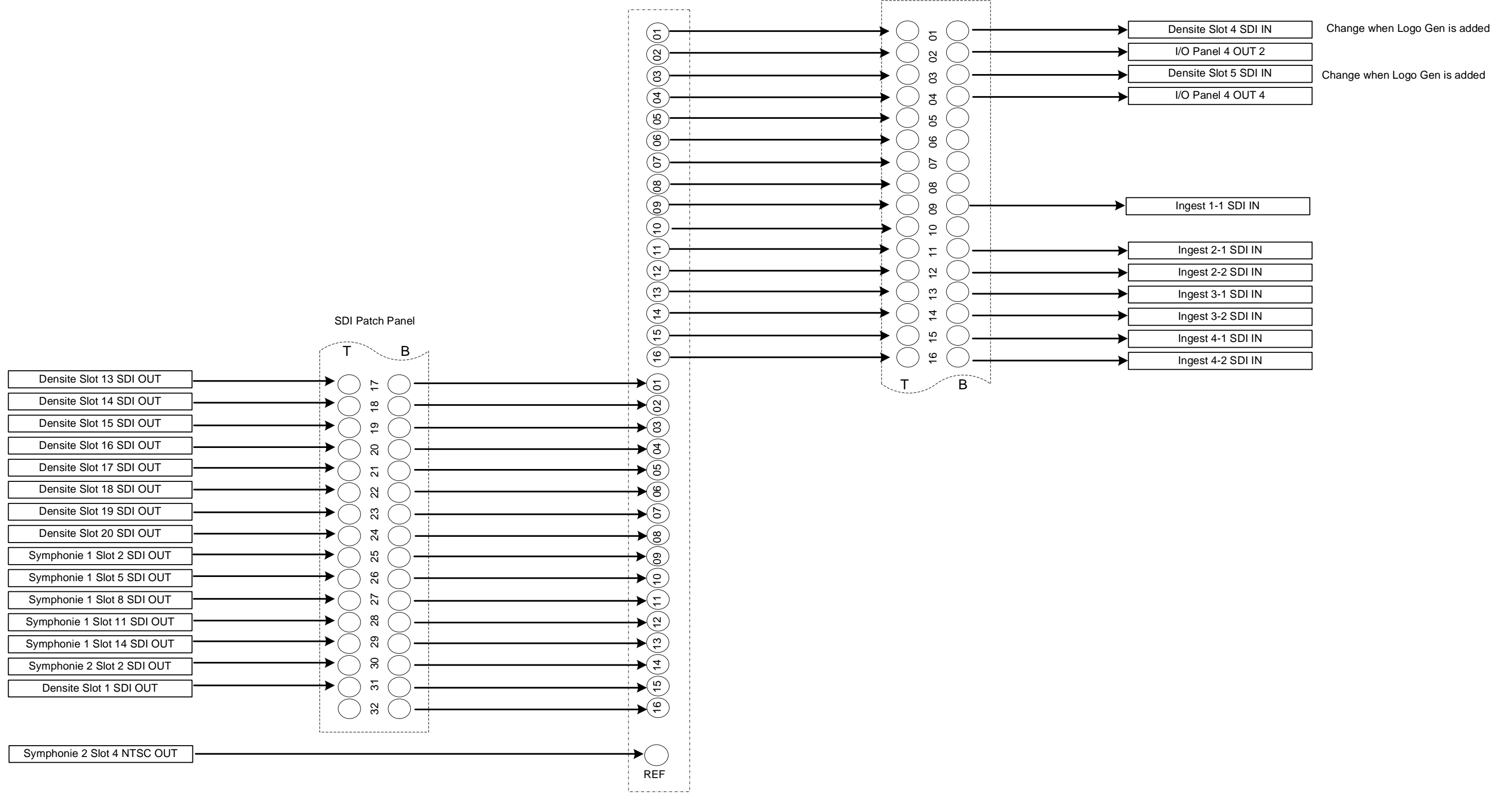


**KLRT/KASN AV INGEST Block Diagram**

<b>NexGenTV</b>	3/25/2004	Rigsby/ Coombs
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16x16 SDI Router

SDI Patch Panel

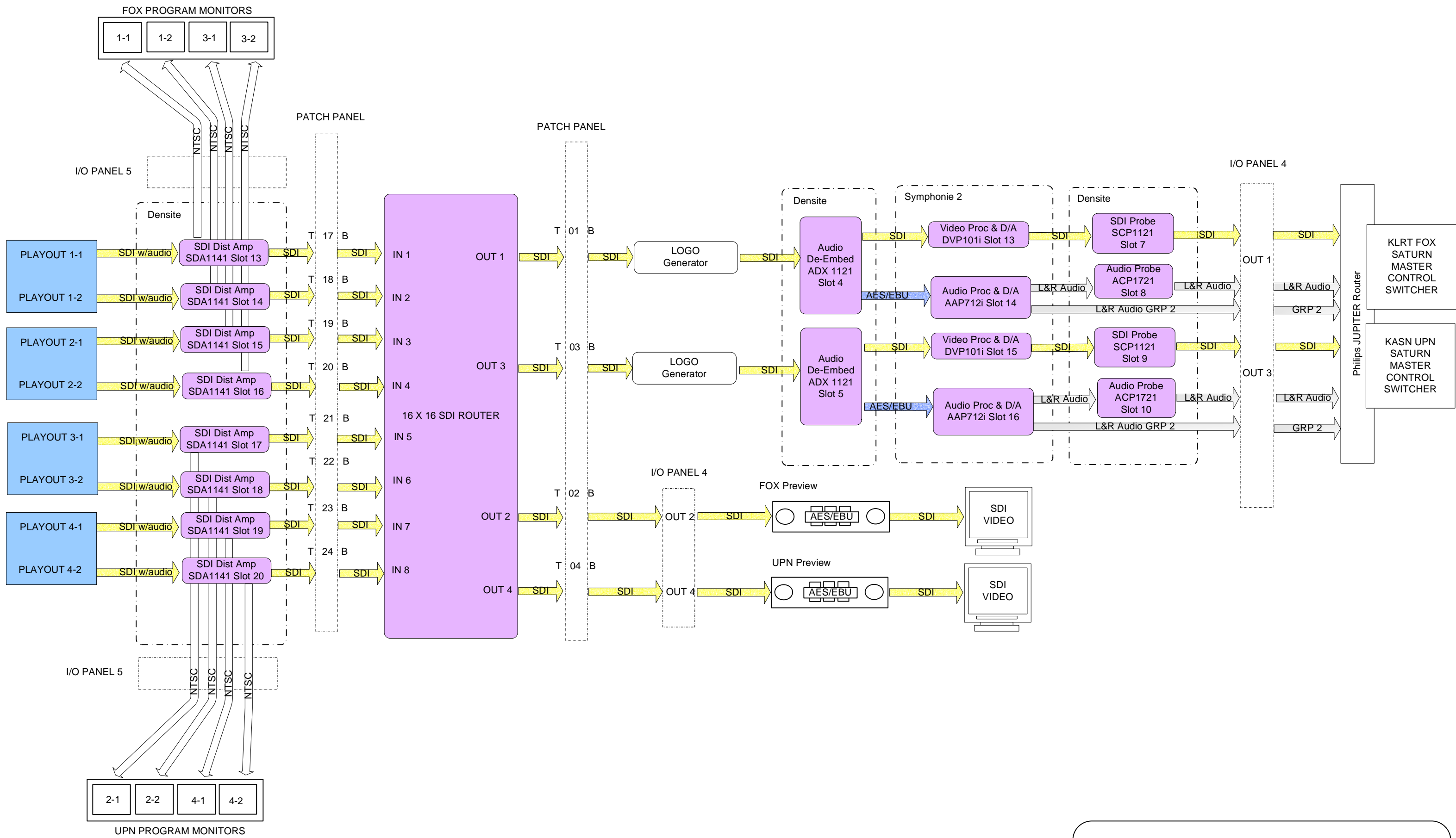


**KLRT/KASN SDI Router Schematic**

**NexGenTV**

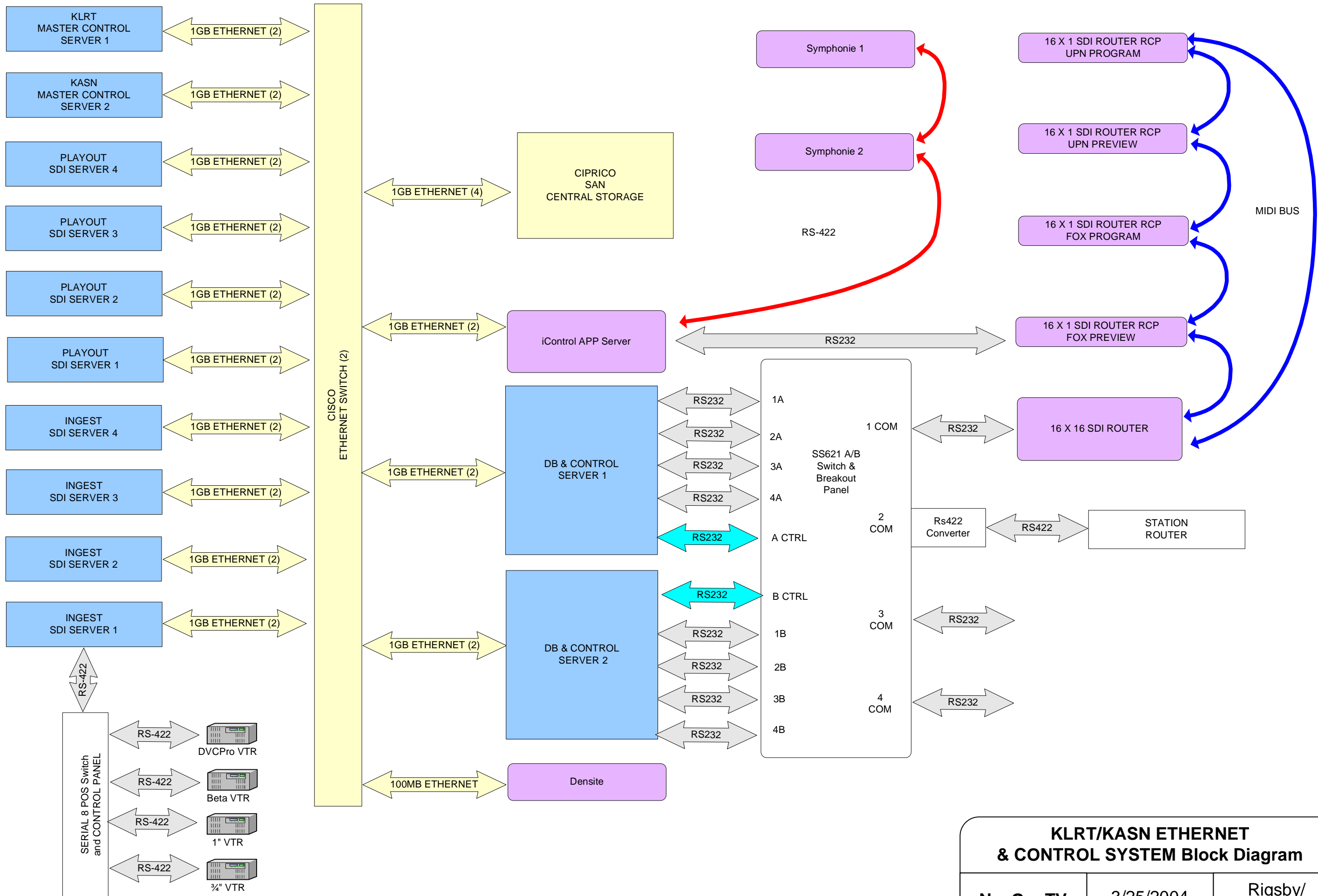
3/25/2004

Rigsby/  
Coombs



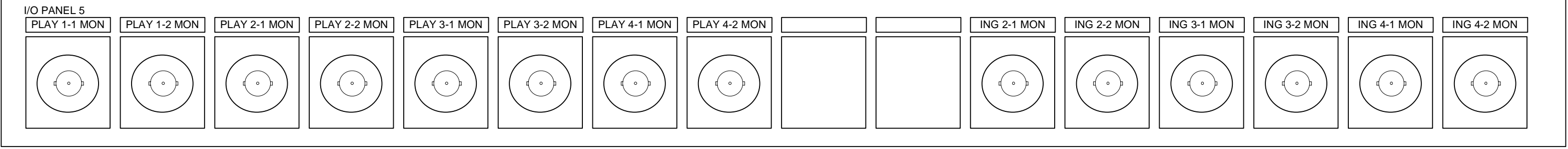
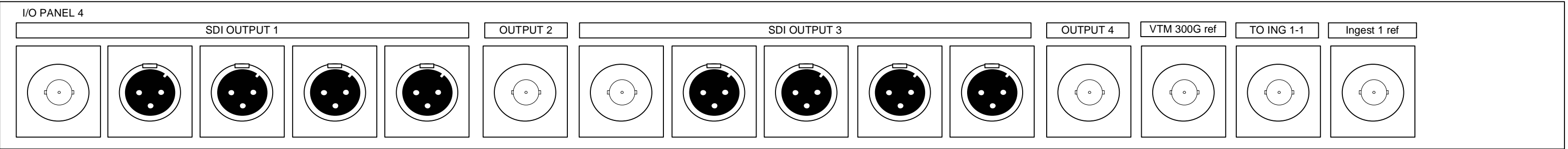
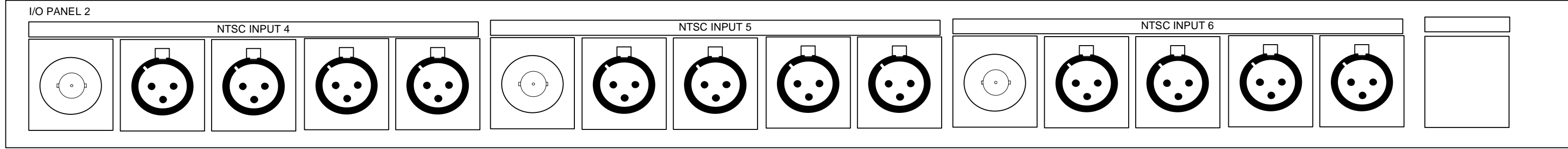
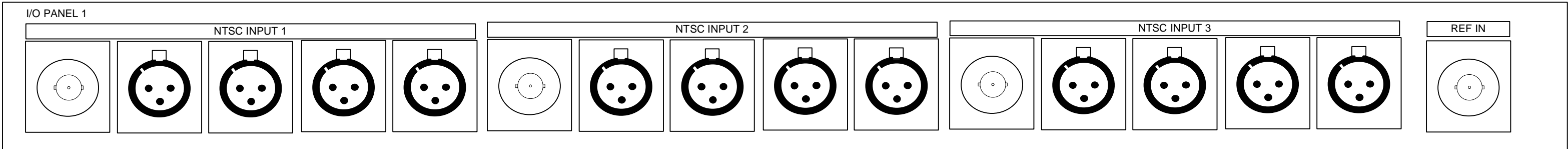
**KLRT/KASN A/V PLAYOUT Block Diagram**

<b>NexGenTV</b>	3/25/2004	Rigsby/ Coombs
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**KLRT/KASN ETHERNET  
& CONTROL SYSTEM Block Diagram**

<b>NexGenTV</b>	3/25/2004	Rigsby/ Coombs
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From I/O Panel  
Input 5

From I/O Panel  
Input 4

From I/O Panel  
Input 3

From I/O Panel  
Input 2

From I/O Panel  
Input 1

STATION INPUT 5

STATION INPUT 4

STATION INPUT 3

STATION INPUT 2

STATION INPUT 1  
INGEST STATION

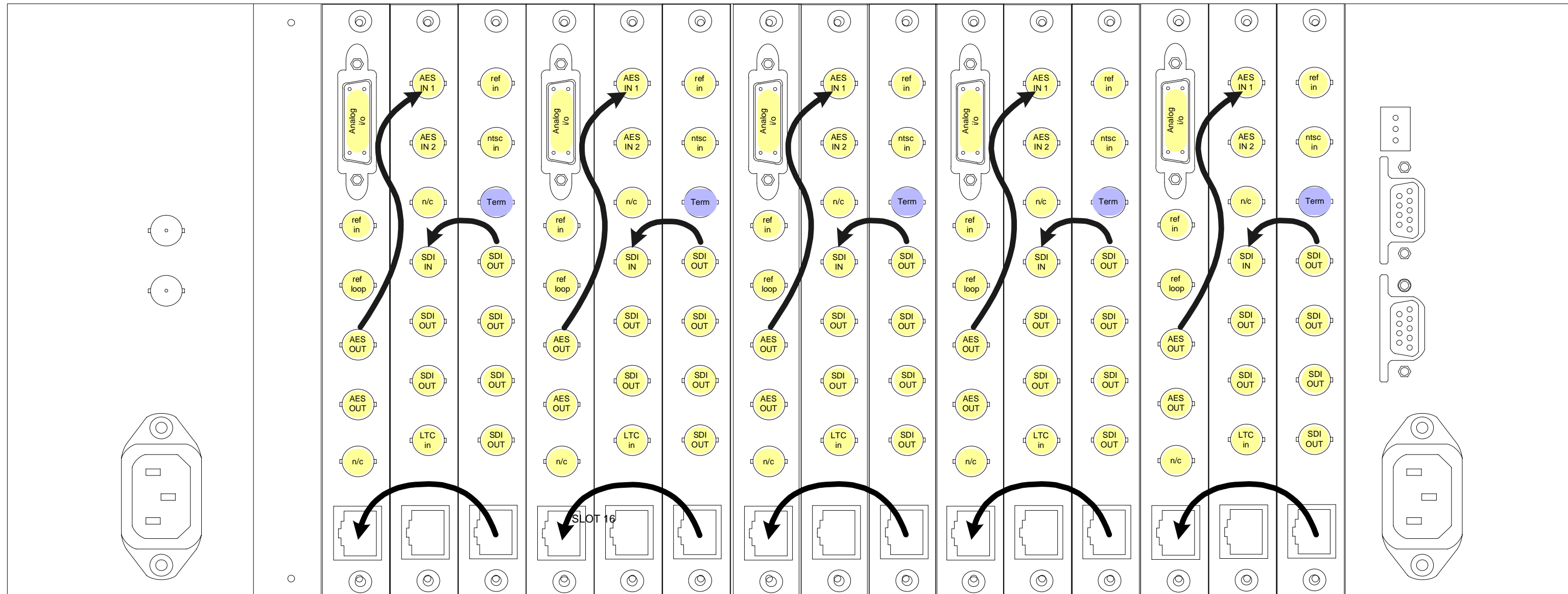
AAP-712i Dual Analog Audio Proc  
AMX 102i 2 CHANNEL AES EMBEDDER  
ASD231i 12 Bit NTSC to SDI Decoder w/ Frame Synch & TBC

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AMX 102i 2 CHANNEL AES EMBEDDER  
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SLOT 16 R-AX R-M R-M R-AX R-M R-M R-AX R-M R-M R-AX R-M R-M R-AX R-M R-M

<b>KLRT/KASN A/V Frame Symphonie #1</b>		
NexGenTV	3/25/2004	Rigsby/ Coombs

To I/O Panel Output 2

To I/O Panel Output 1

From I/O Panel Input 7

From I/O Panel BB Input

From I/O Panel Input 6

OUTPUT 2

OUTPUT 1

Station I/P 7 Manual Ingest

Black Burst

STATION INPUT 6

DAP 712i DUAL DIG AUDIO PROC w/ AES & ANALOG O/P

UVP101i UNIVERSAL VIDEO PROCESSOR

DAP 712i DUAL DIG AUDIO PROC w/ AES & ANALOG O/P

UVP101i UNIVERSAL VIDEO PROCESSOR

AAP-712i Dual Analog Audio Proc

DVP101i SDI PROCESSOR/ SYNCHRONIZER

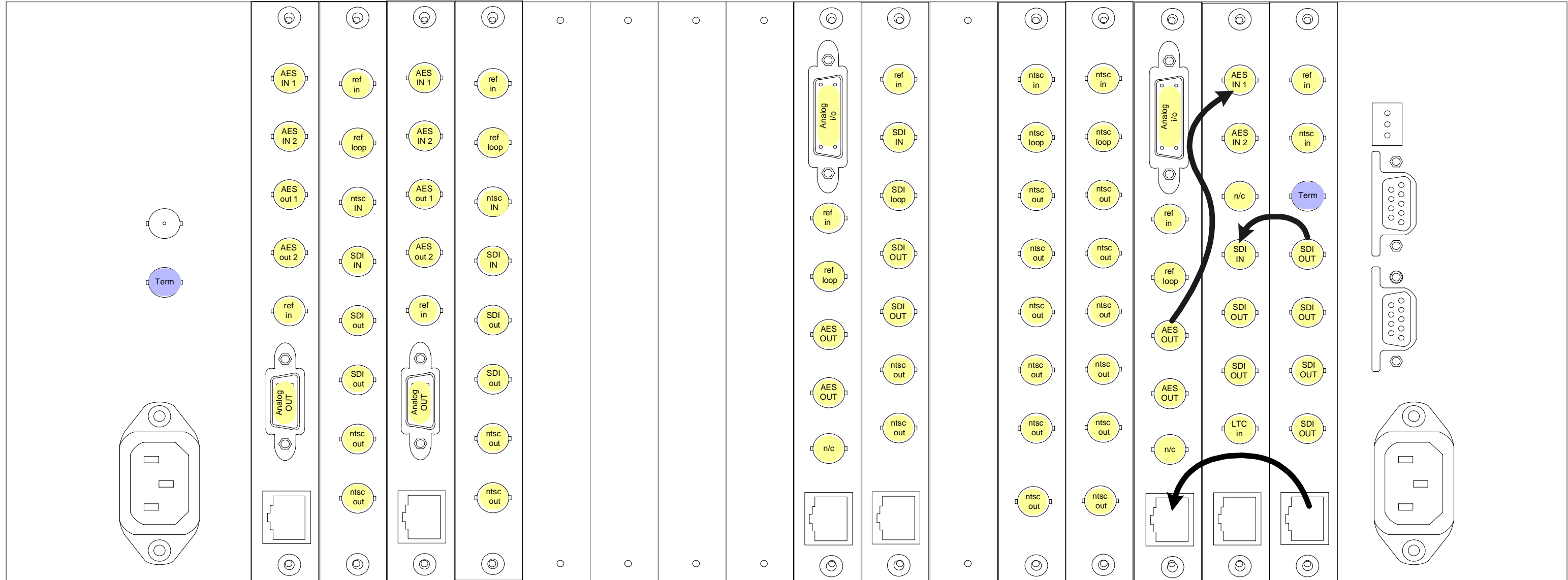
VDA-101i Analog Video DA

VDA-101i Analog Video DA

AAP-712i Dual Analog Audio Proc

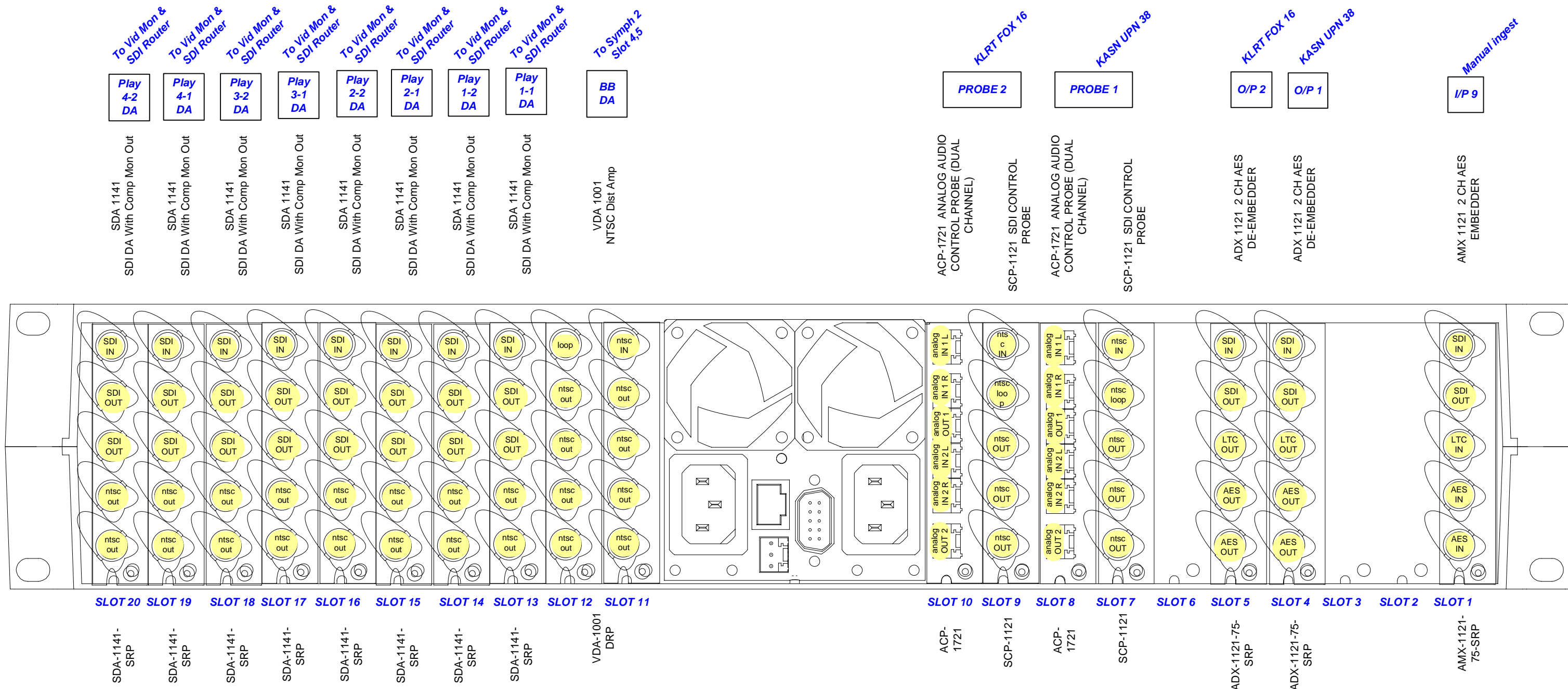
AMX 102i 2 CHANNEL AES EMBEDDER

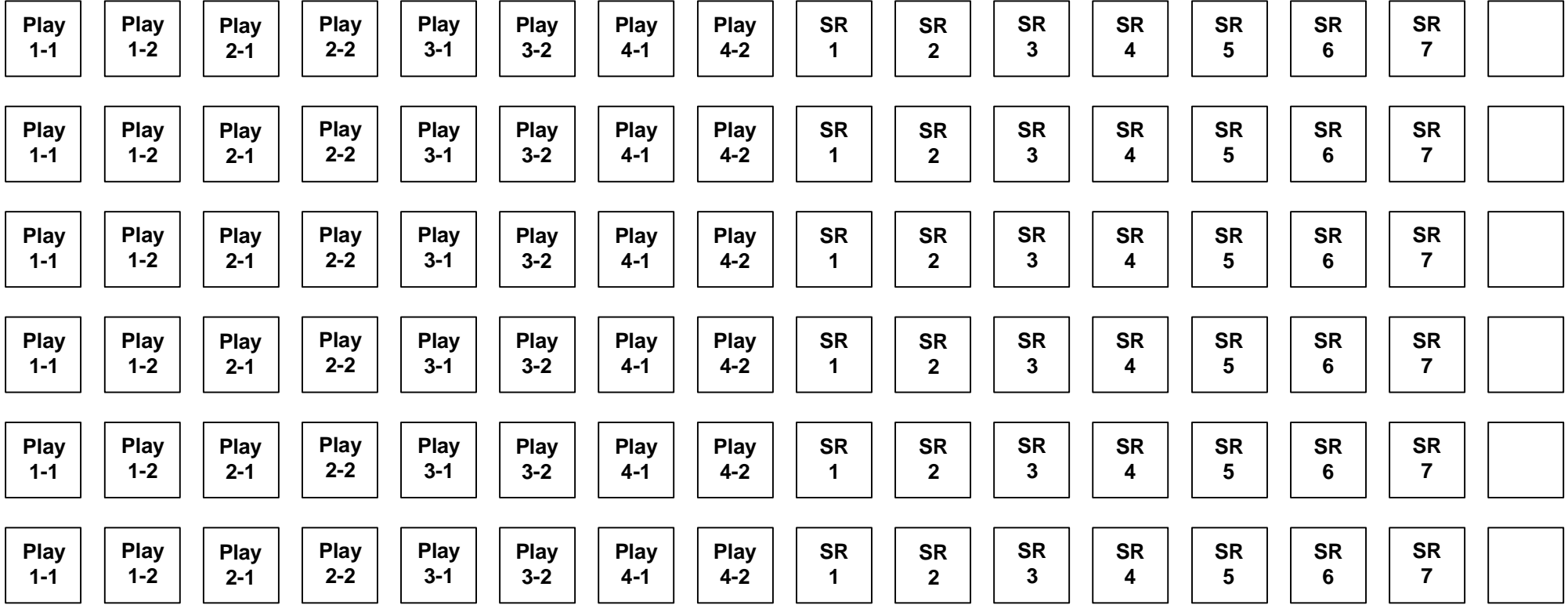
ASD231i 12 Bit NTSC to SDI Decoder w/ Frame Synch & TBC



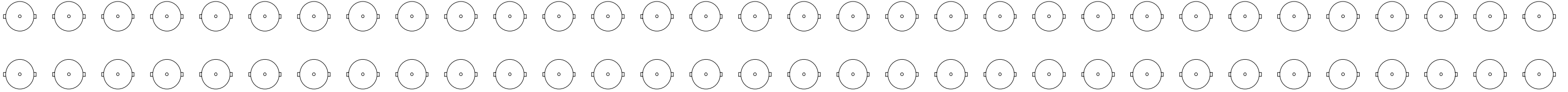
RA-75 SLOT 16    R-C SLOT 15    RA-75 SLOT 14    R-C SLOT 13    SLOT 12    SLOT 11    SLOT 10    SLOT 9    R-AX SLOT 8    R-M SLOT 7    SLOT 6    R-C SLOT 5    R-C SLOT 4    R-AX SLOT 3    R-M SLOT 2    R-M SLOT 1

KLRT/KASN A/V Frame Symphonie #2		
NexGenTV	3/25/2004	Rigsby/ Coombs





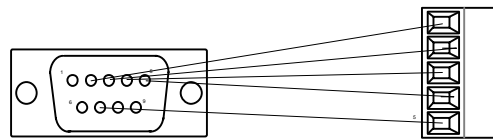
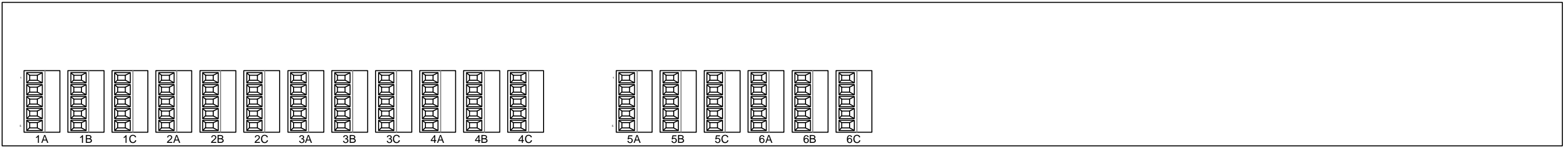
SDI OUT 01 SDI OUT 02 SDI OUT 03 SDI OUT 04 SDI OUT 05 SDI OUT 06 SDI OUT 07 SDI OUT 08 SDI OUT 09 SDI OUT 10 SDI OUT 11 SDI OUT 12 SDI OUT 13 SDI OUT 14 SDI OUT 15 SDI OUT 16 PLAY 1-1 PLAY 1-2 PLAY 2-1 PLAY 2-2 PLAY 3-1 PLAY 3-2 PLAY 4-1 PLAY 4-2 SR IN 1 SR IN 2 SR IN 3 SR IN 4 SR IN 5 SR IN 6 SR IN 7



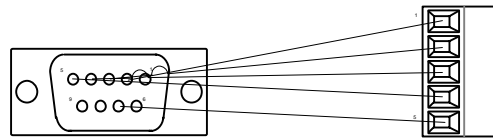
PROG 1 PREV 1 PROG 2 PREV 2 ING 1-1 ING 2-1 ING 2-2 ING 3-1 ING 3-2 ING 4-1 ING 4-2 SDI IN 01 SDI IN 02 SDI IN 03 SDI IN 04 SDI IN 05 SDI IN 06 SDI IN 07 SDI IN 08 SDI IN 09 SDI IN 10 SDI IN 11 SDI IN 12 SDI IN 13 SDI IN 14 SDI IN 15 SDI IN 16

# Serial Breakout

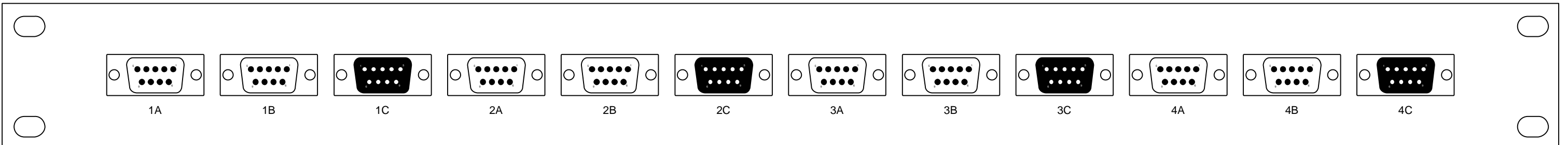
# SS-621 (connector view)



DB9 Female  
(solder side)

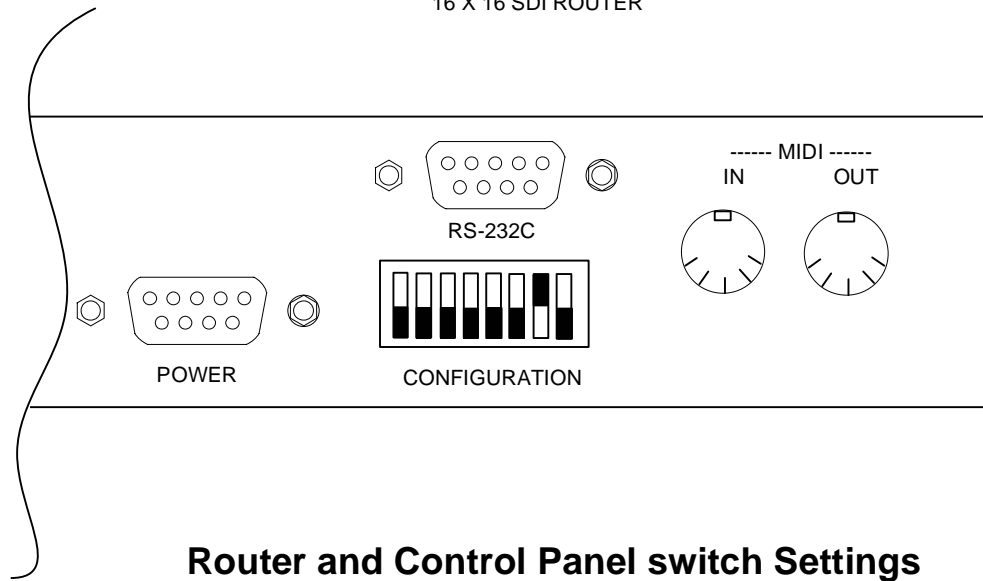


DB9 Male (solder side)

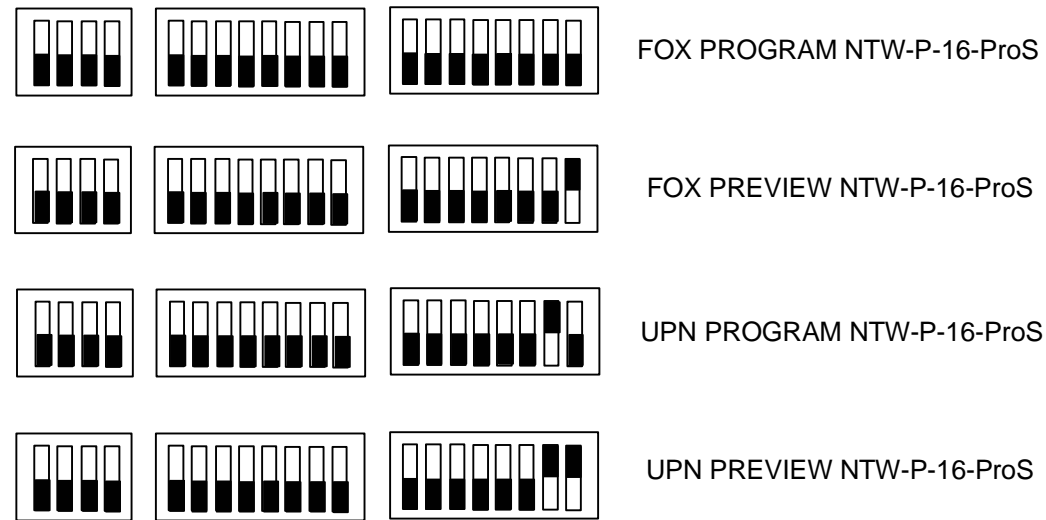


NOTE: This 5 wire format should accommodate any RS-232 control or any RS-422 control as long as the RS-232 to RS-422 converter is placed on the output side of the SS-621 Serial Breakout.

16 X 16 SDI ROUTER



**Router and Control Panel switch Settings**



**RA-75 Backplane card switch Settings**

1	Global, OFF	2	Local, OFF	3	Global
4	Global, OFF	5	Local, OFF	6	Global
7	Global, OFF	8	Local, OFF	9	Global
10	Global, OFF	11	Local, OFF	12	Global
13	Global, OFF	14	Local, OFF	15	Global
1	Global, OFF	2	Local, OFF	3	Global

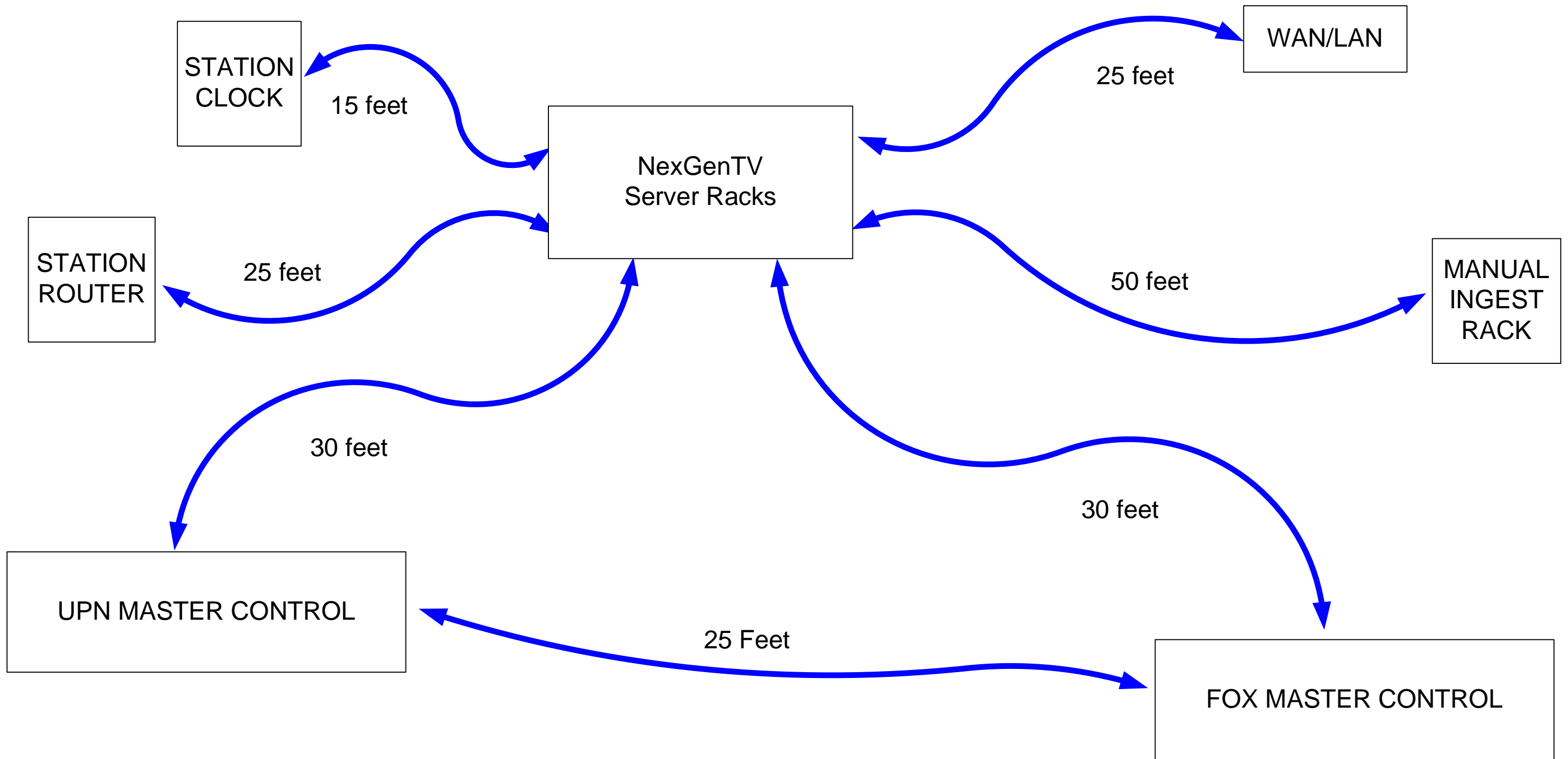
UP = Global  
DOWN = Local  
UP = OFF

**KLRT/KASN DIP Switch Configurations**

**NexGenTV**

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**KLRT/KASN Wiring Harness Lengths**

**NexGenTV**

3/25/2004

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