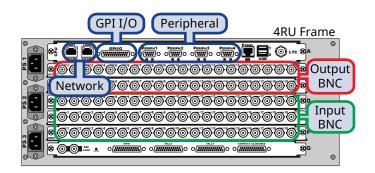
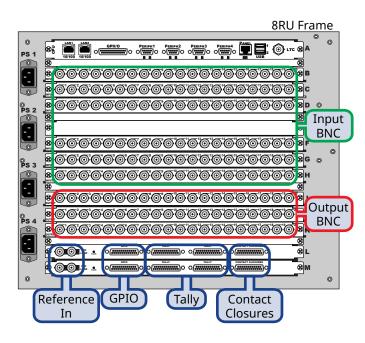
QuickStart

Video I/O and Ports





GPI I/O - CPU (female DB25)

Pin	GPI	Pin	GPI	
1	Ground	14	n/c	
2	n/c	15	n/c	
3	n/c	16	Out 10	
4	In 10	17	Out 9	
5	In 9	18	Out 8	
6	In 8	19	Out 7	
7	In 7	20	Out 6	
8	In 6	21	Out 5	
9	In 5	22	Out 4	
10	In 4	23	Out 3	
11	In 3	24	Out 2	
12	In 2	25	Out 1	
13	In 1			

Tally Port 1 - Panel/Frame (female DB25)

0				
Pin	Tally	Pin	Tally	
1	1	14	2	
2	3	15	4	
3	5	16	6	
4	7	17	8	
5	9	18	10	
6	11	19	12	
7	13	20	14	
8	15	21	16	
9	17	22	18	
10	Common	23	Common	
11	Common	24	Common	
12	Common	25	Common	
13	Common			

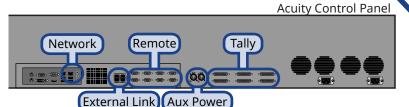
GPIO - Ref/Tally (female DB25)

Pin	GPI	Pin	GPI	
1	Ground	14	I/O 13	
2	I/O 1	15	I/O 14	
3	I/O 2	16	I/O 15	
4	I/O 3	17	I/O 16	
5	I/O 4	18	I/O 17	
6	I/O 5	19	I/O 18	
7	I/O 6	20	I/O 19	
8	I/O 7	21	I/O 20	
9	I/O 8	22	I/O 21	
10	I/O 9	23	I/O 22	
11	I/O 10	24	I/O 23	
12	I/O 11	25	I/O 24	
_13	I/O 12			

Contact Closure (female DB25)

	O (******	000000	O
Pin	CtCl	Pin	CtCl
1	1 Out	14	1 Comn
2	2 Out	15	2 Comn
3	3 Out	16	3 Comn
4	4 Out	17	4 Comn
5	5 Out	18	5 Comn
6	6 Out	19	6 Comn
7	7 Out	20	7 Comn
8	8 Out	21	8 Comn
9	9 Out	22	9 Comn
10	10 Out	23	10 Comn
11	11 Out	24	11 Comn
12	12 Out	25	12 Comn
13	n/c		

Note: Each Tally port starts where the previous one left off. So Pin 1 on Port 2 is Tally 19, Pin 2 is Tally 21 and so on.

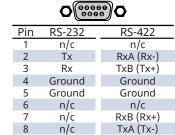




NOTICE Only connect certified Ross equipement with Ross provided cables to the Auxiliary Power port.

Peripheral (female DB9)		
$\mathbf{O}_{\bullet\bullet\bullet\bullet}^{\bullet\bullet\bullet\bullet}\mathbf{O}$		
RS-232	RS-422	
n/c	Odd/Even	
Rx	TxA (Tx-	

Pin	RS-232	RS-422
1	n/c	Odd/Even Tx+
2	Rx	TxA (Tx-)
3	Tx	RxB (Rx+)
4	Ground	Ground
5	Ground	Ground
6	n/c	Odd/Even Tx-
7	n/c	TxB (Tx+)
8	n/c	RxA (Rx-)
9	n/c	5V 1K Pull-un



Acuity Rack Panel

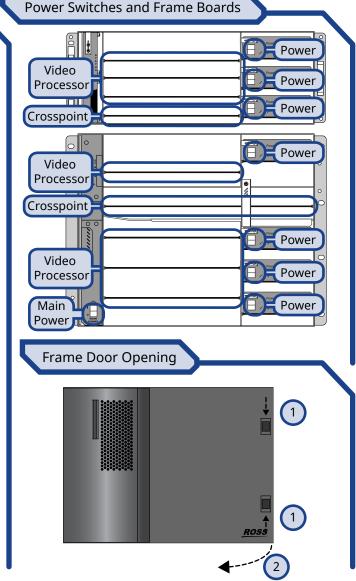
n/c

Remote (female DB9)





Note: The Acuity Rack Panel ships with a static IP address (192.168.0.129) as default.



Specifications

Default Values		
Frame IP (LAN1)	192.168.1.1	
Acuity Panel IP	192.168.1.2	
CB Panel IP	192.168.0.129	
User name	user	
Password	password	
Video Formats		
480i 59.94Hz		
576i 50Hz		
720p 59.94/50Hz		
1080i 60/59.94/50Hz		
1080pSF 24/23.98Hz		
1080p 24/25/29.97/59.94/50Hz		
UHDTV1 (2SI) 60/59.94/50Hz		

Input Reference Formats 480i 59.94Hz 576i 50Hz 720p 59.94/50Hz 1080i 60/59.94/50Hz 1080p 24Hz 1080pSF 24/23.98Hz

	Input Voltages
Panel	90V~250V AC
	47~63Hz
Frame	100 - 120V~
	220 - 240V~
	47 - 63Hz
	9A 650W
	(Canada 120V~ Only)

Tally	Rating
Input Voltage:	24VAC (rms) / 40VDC
Maximum Current:	
Impedance:	< 15 ohms

Max Power	(Full Load)	W	eights
Acuity 4	526W	Acuity 4	103lb (46.7kg
Acuity 3M	340W	Acuity 3M	74lb (33.6kg)
Acuity 3	379W	Acuity 3	75lb (34.0kg)
Acuity 2X	289W	Acuity 2X	62lb (28.1kg)
Acuity 2M	247W	Acuity 2M	57lb (25.9kg)
Acuity 1S	159W	Acuity 1S	48lb (21.8kg)
CB1	25W	CB1	13lb (5.90kg)
CB2	35W	CB2	20lb (9.07kg)
8RU	1,412W	8RU	92lb (41.7kg)
4RU	1,022W	4RU	59lb (26.8kg)
`			

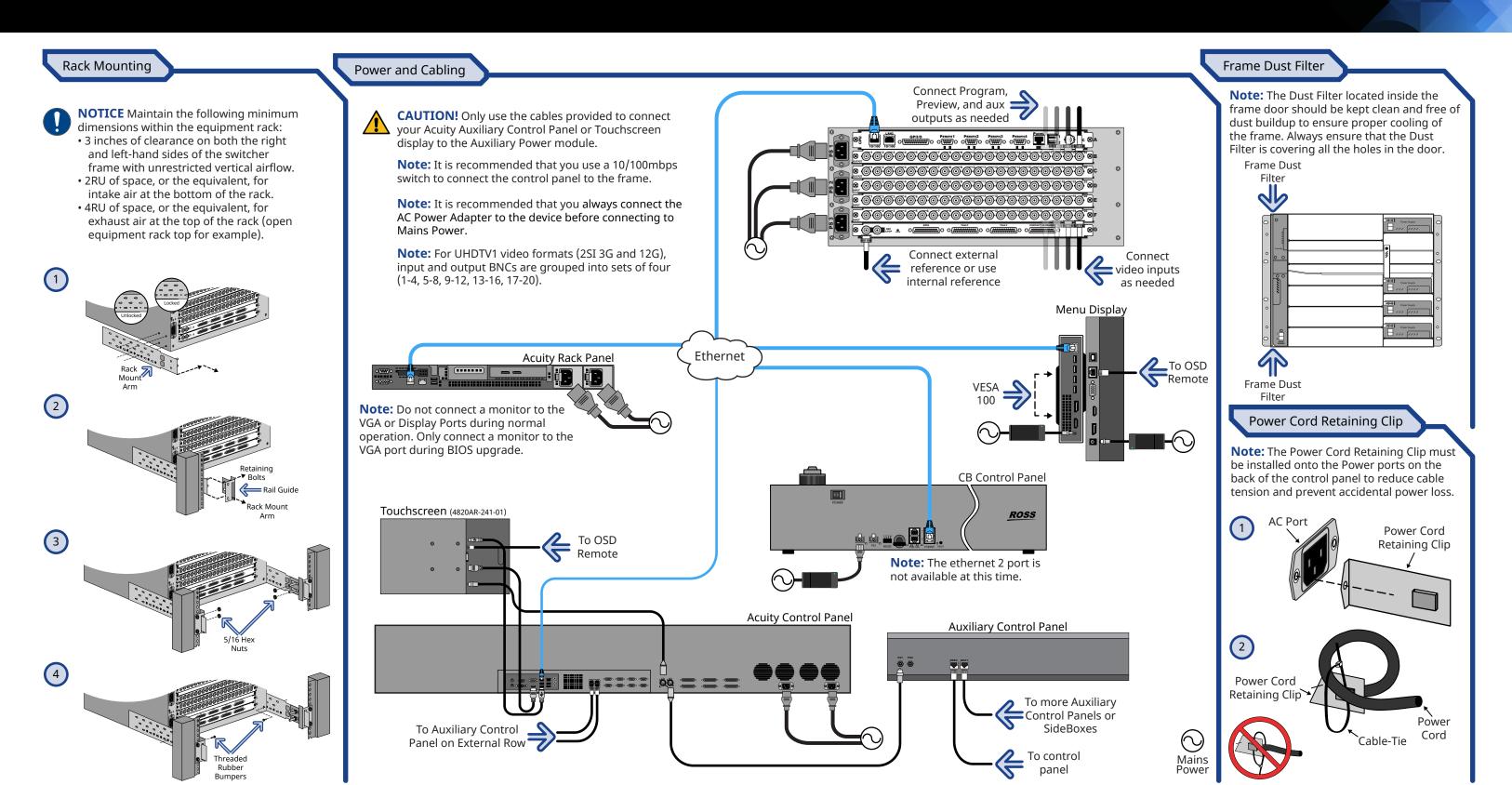
	Video Input Specifications			
kg)	Equalization	>40m @ 12Gb/s		
(g)	(Belden 1694A	>50m @ 3Gb/s		
(g)	cable)	>75m @ 1.5 Gb/s		
(g)		>150m @ 270 Mb/s (5°-40°C)		
(g)	Impedance	75 ohm, terminating		
(g)	Video Inputs, SDI	SMPTE 259M/292M/424M/		
(g)		ST-2082 (non-looping)		
(g)	Reference Inputs	SD — analog black		
(g)	(non-terminating,	HD — tri-level sync		
(g)	looping)			

Video	Output Specifications
Return Loss	>4dB 6GHz to 12GHz
	>7dB 3GHz to 6GHz
	>10dB 1.485MHz to 3GHz
	>15dB 5MHz to 1.485GHz
Timing Jitter	UHD - <8.0UI
	HD - <1UI
	SD - <0.2UI
Alignment Jitter	UHD - <0.3UI
_	HD - <0.2UI
	SD - <0.2UI
	UHD - <10% amplitude
Rise and Fall Time	s HD – <240ps
	SD - 450ps to 700ps
	<u> </u>

Video Output Specifications	
Signal Level	800mV ± 10%
DC Offset	0 volts
Overshoot	<8%
Video Outputs	UHD - SMPTE 2082-1:2015
(serial digital)	(Amendment 1:2016)
_	HD - 10-bit SMPTE 292M/424M
	SD - 10-bit SMPTE 259M-C









Having a problem? Call our free, 24-hour technical support hotline to speak with a live product specialist located right here in our facility.

Tel (North America): 1-844-652-0645 Tel (International): +800 1005 0100 Email: techsupport@rossvideo.com

