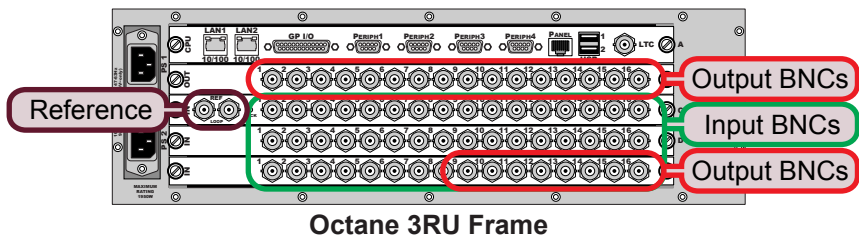
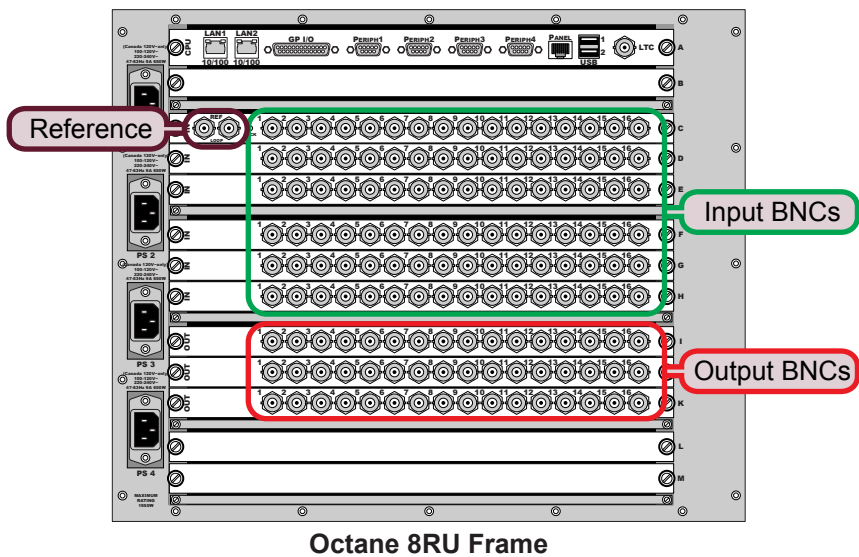


Video Inputs/Outputs/Reference



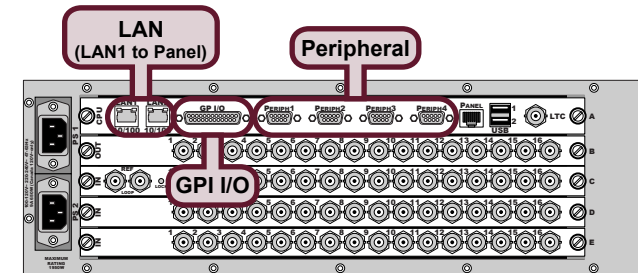
Note: Slot E in the Octane 3RU Frame can be populated with either a Video Input or Video Output board, depending on the options ordered. Only Outputs E9 through E16 are available on a Video Output board in Slot E.



Frame Port Pinouts

Peripheral (female DB9)

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-up

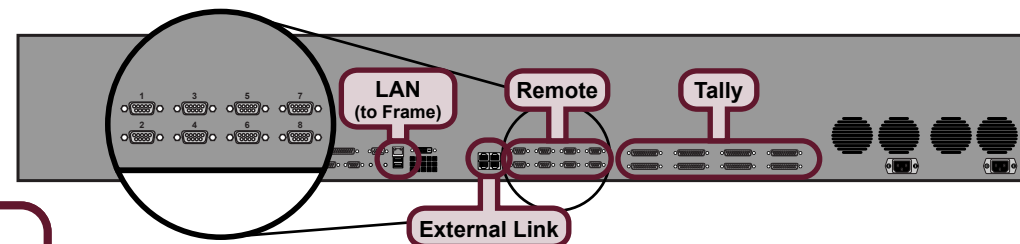


Note: The Frame CPU Board is the same for the Octane 8RU and Octane 3RU Frames.

GPI I/O (female DB25)

Pin	Signal	Pin	Signal
1	Ground	14	n/c
2	n/c	15	n/c
3	n/c	16	GPI OUT 10
4	GPI IN 10	17	GPI OUT 09
5	GPI IN 09	18	GPI OUT 08
6	GPI IN 08	19	GPI OUT 07
7	GPI IN 07	20	GPI OUT 06
8	GPI IN 06	21	GPI OUT 05
9	GPI IN 05	22	GPI OUT 04
10	GPI IN 04	23	GPI OUT 03
11	GPI IN 03	24	GPI OUT 02
12	GPI IN 02	25	GPI OUT 01
13	GPI IN 01		

Panel Port Pinouts



Remote (female DB9)

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

Important: It is recommended that you use a 10/100mbps switch to connect the Vision control panel (LAN) to the Frame (LAN 1).

Note: The External Link ports use a standard CAT5e cable to connect to the Touchscreen, Auxiliary Control Panels, as well as SideBox, to the Panel.

Tally (female DB25)

Pin	Signal	Pin	Signal
1	Tally 01	14	Tally 02
2	Tally 03	15	Tally 04
3	Tally 05	16	Tally 06
4	Tally 07	17	Tally 08
5	Tally 09	18	Tally 10
6	Tally 11	19	Tally 12
7	Tally 13	20	Tally 14
8	Tally 15	21	Tally 16
9	Tally 17	22	Tally 18
10	Common	23	Common
11	Common	24	Common
12	Common	25	Common
13	Common		

Note: The number of Tally ports on your control panel depends on the size of the panel, and if the Extended Tallies options have been installed.

Specifications

Default Values	
Frame IP (LAN1)	192.168.1.1
Panel IP	192.168.1.2
User name	user
Password	password

Tally Rating	
Input Voltage:	24VAC (rms) / 40VDC
Maximum Current:	170mA
Impedance:	< 15 ohms

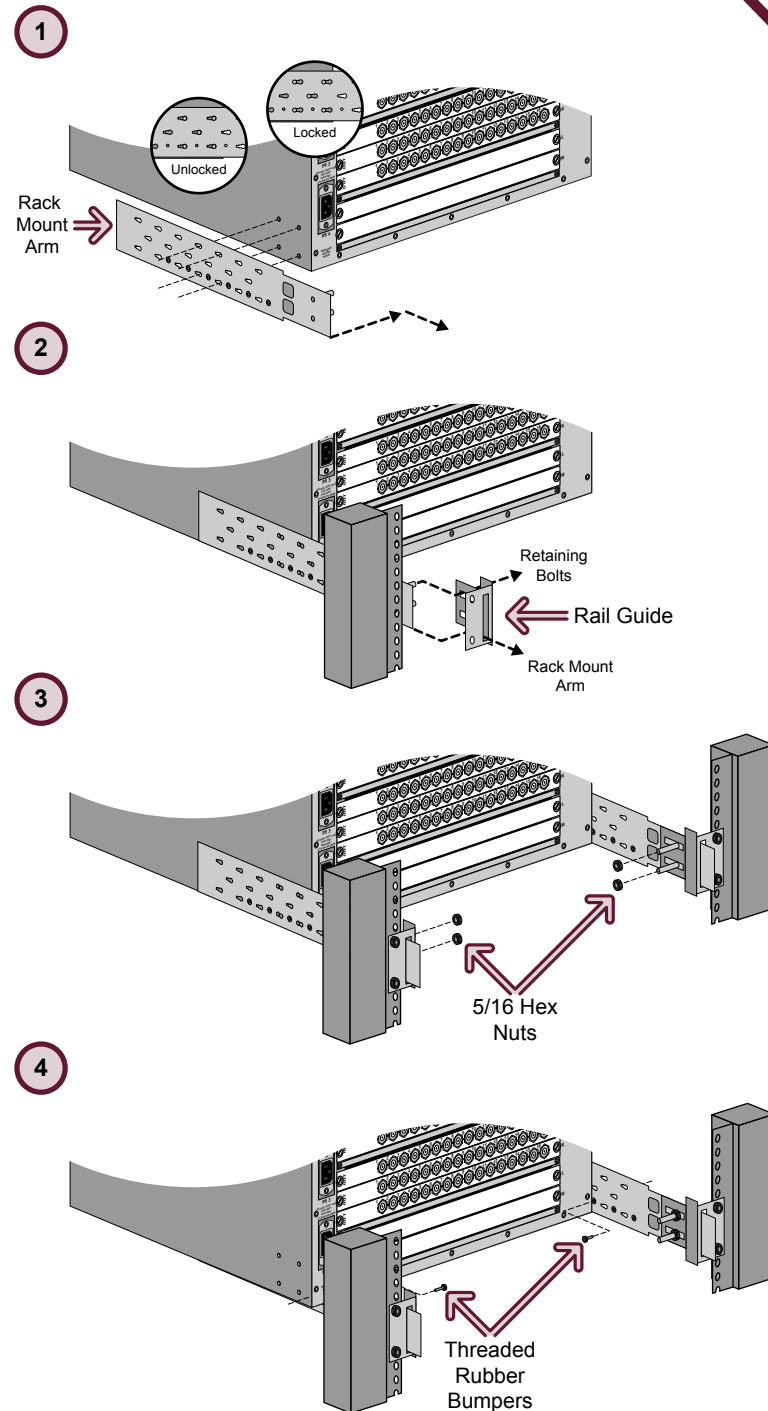
Input Voltages	
Panel	90V~250V AC
	47~63Hz
Frame	100 - 120V~
	220 - 240V~
	47 - 63Hz
	9A 650W
	(Canada 120V~ Only)

Power Consumption (avg./peak)	
Vision 4	206W / 526W
Vision 3M	150W / 340W
Vision 3	161W / 379W
Vision 2X	133W / 289W
Vision 2M	120W / 247W
Vision 2	111W / 216W
Vision 1M	99W / 177W
Vision 1	94W / 159W
Octane 8RU	~225W / ~1160W
Octane 4RU	~150W / ~500W

Video Input Specifications	
Max Cable Length	50m @ 3Gb/s
(using Belden 1694 cable)	75m @ 1.5 Gb/s
	150m @ 270 Mb/s
Impedance	75 ohm, terminating
Return Loss	>18dB 5Mb/s to 1.5Gb/s
	>15dB 1.5Gb/s to 3Gb/s
Video Inputs	SMPTE 259M/292M/424M serial digital (non-looping)
Reference Inputs	Standard Definition — analog black (non-terminating, looping)
	High Definition — tri-level sync

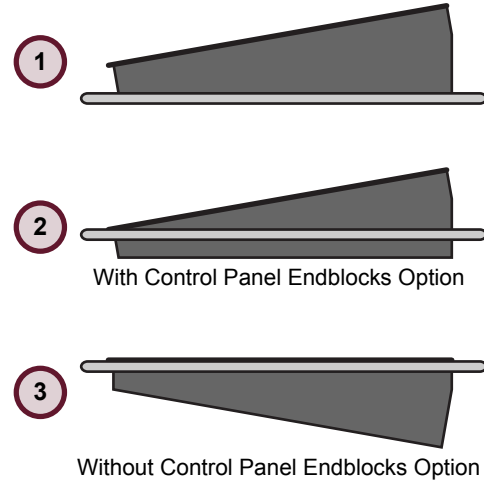
Video Output Specifications	
Return Loss	>18dB 5Mb/s to 1.5Gb/s
	>15dB 1.5Gb/s to 3Gb/s
Timing Jitter	SD — <0.2UI
	HD — <1UI
Alignment Jitter	SD — <0.2UI
	HD — <0.2UI
Rise and Fall Times	SD — 450ps to 700ps
	HD — <240ps
Signal Level	800mV ± 10%
DC Offset	0 volts
Overshoot	<8%
Video Outputs	SD — 10-bit SMPTE 259M-C (serial digital)
	HD — 10-bit SMPTE 292M/424M

Rack Mounting

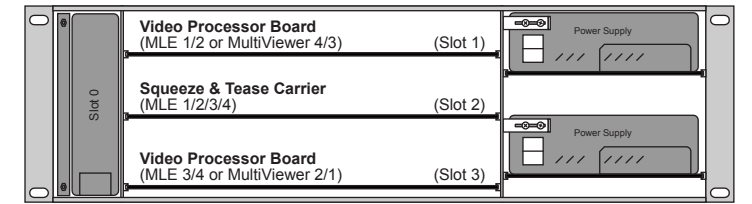
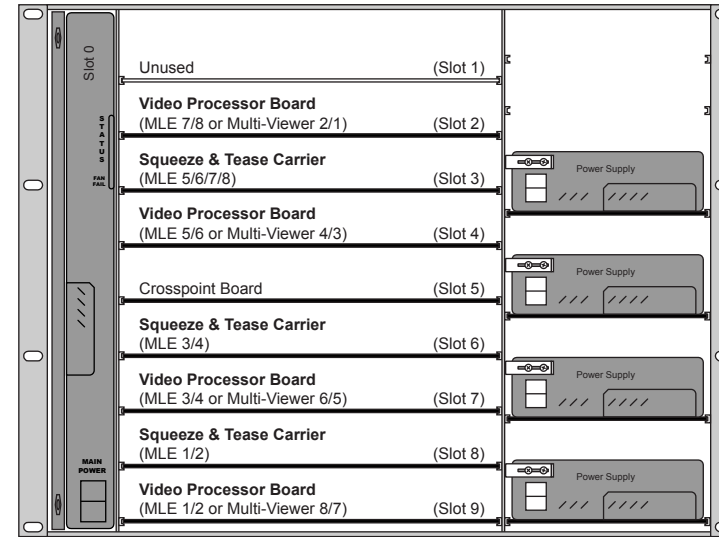


Desk Mount Configurations

Note: The Desk Cutout Size is the same if you are mounting the control panel into the desk in configuration 2 or 3.

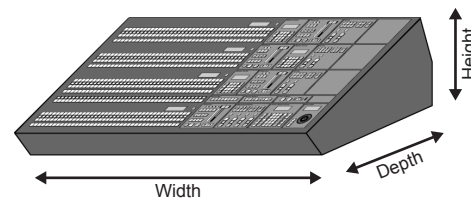


Frame Board Locations



Note: The 3G Video Processor is not compatible with the Squeeze & Tease Carrier, but instead has integrated 2D DVE support.

Panel Dimensions



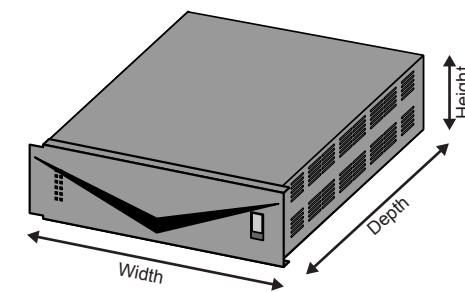
Panel Dimensions

Panel	Width	Depth	Height
Vision 4	55.5"	26.0"	7.9"
Vision 3M	39.6"	20.5"	6.7"
Vision 3	51.0"	20.5"	6.7"
Vision 2X	51.0"	16.5"	6.0"
Vision 2M	39.5"	16.5"	6.0"
Vision 2	34.0"	16.5"	6.0"
Vision 1M	35.0"	16.5"	6.0"
Vision 1	28.5"	16.5"	6.0"

Auxiliary Panel & SideBox

Panel	Width	Depth
V-159-16	12.00"	3.5"
V-159-16-NM	12.00"	3.5"
V-159-24	17.75"	3.5"
V-159-32	23.50"	3.5"
V-159-40	29.25"	3.5"
SideBox	6.88"	6.13"

Frame Dimensions



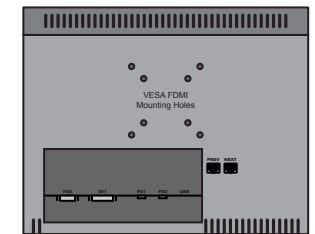
Frame Dimensions

Frame	Width	Depth	Height
Octane 8RU	19.0"	26.0"	14.0"
Octane 3RU	19.0"	26.0"	5.25"

Note: Frame depth is measured from rack ears to BNCs.

Touchscreen Mounting

The Touchscreen uses a VESA FDMI MIS-D 75 or 100, C Mounting Arm.



Ross Video recommends the Humanscale M7 Desk Mount Flat Panel Monitor Arm by Media Control Co. Inc. (mcergo.com).