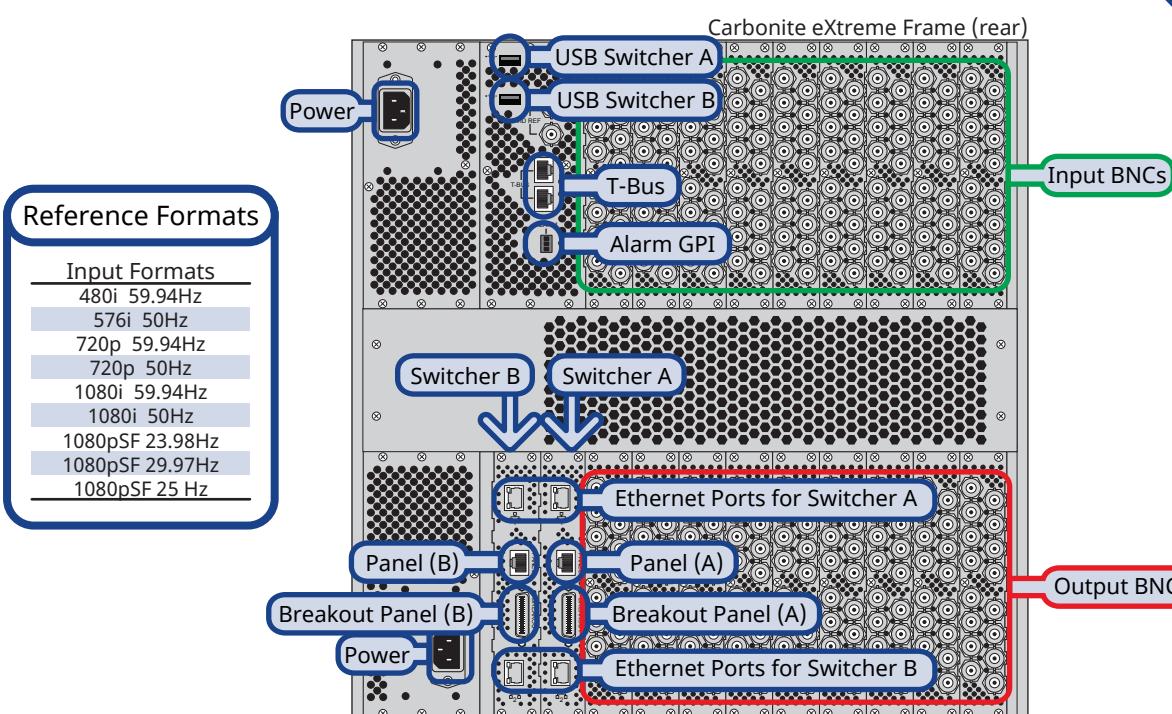
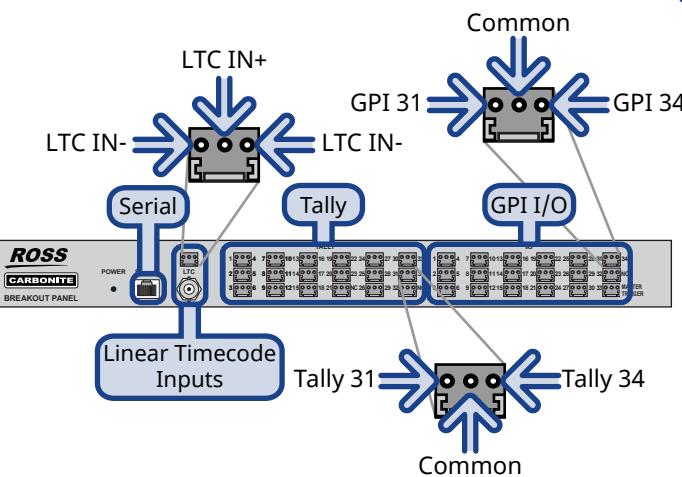


Frame Ports and Connectors

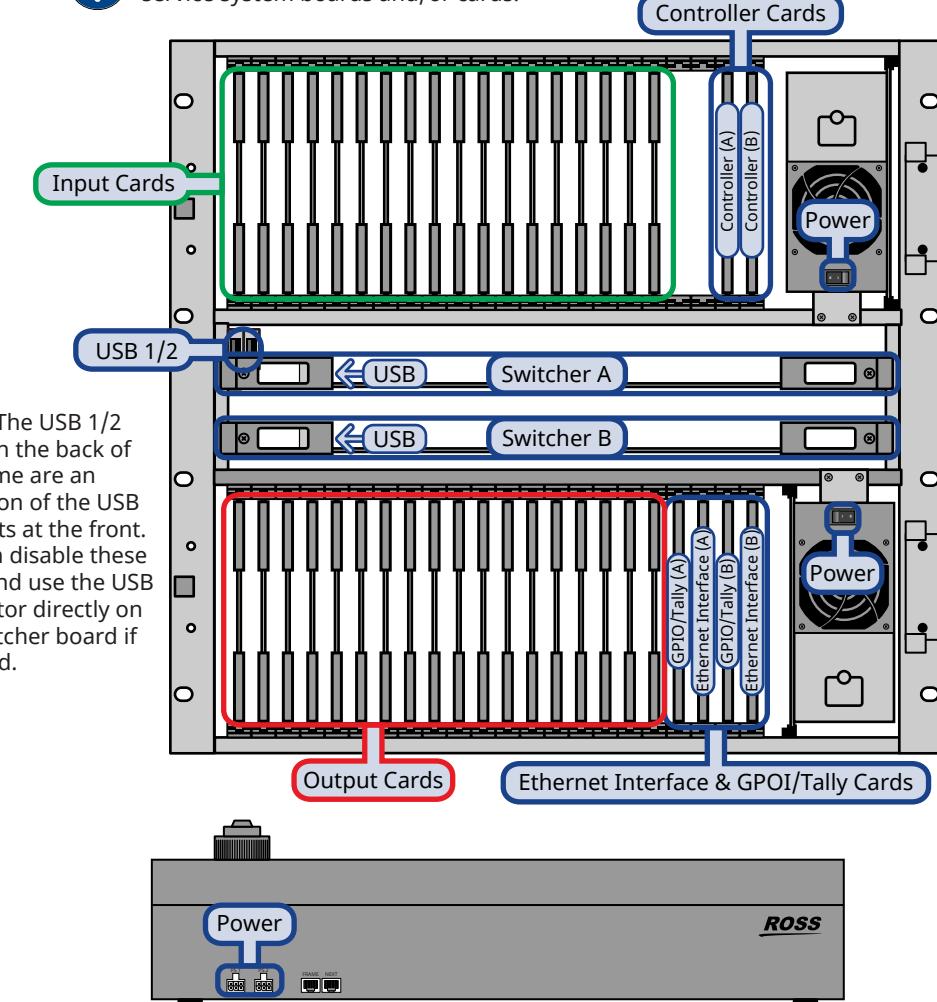


Breakout Panel Ports and Pinouts



Power Switches and Frame Boards

Important: Only qualified service personnel are allowed to replace or service system boards and/or cards.



Specifications

Default Values	
NK-IPS	192.168.20.100
Frame IP (LAN1)	192.168.0.123
Frame IP (LAN2)	0.0.0.0
FTP User name	user
FTP Password	password

Input Voltages	
Panel	100 - 120V~ 220 - 240V~ 47-63Hz
Frame	100 - 240V~ 50-60Hz 6.25 - 3.15A

Tally Rating	
Input Voltage:	24VAC (rms) / 40VDC
Maximum Current:	120mA
Impedance:	< 15 ohms
Temperature	
Operating:	0 - 40°C (32 - 104°F)
Storage:	-20 - 85°C (-4 - 185°F)

Power Consumption	
Carbonite 10	24W 2.0A 12V
Carbonite 1-A	30W 2.5A 12V
Carbonite 1M	30W 2.5A 12V
Carbonite 2	42W 3.5A 12V
Carbonite 2M	50W 4.2A 12V
Carbonite 2S	54W 4.5A 12V
Carbonite 2X	66W 5.5A 12V
Carbonite 3S	66W 5.5A 12V
Carbonite 3X	84W 7.0A 12V
eXtreme	500W 34A 14.6V

Video Input Specifications	
Equalization	>100m @ 1.5 Gb/s >300m @ 270 Mb/s (5°-40°C)
Impedance	75 ohm, terminating
Video Inputs	SMpte 259M/292M serial digital (non-looping)
Reference Inputs	Standard Definition — analog black (non-terminating, looping) High Definition — tri-level sync

Video Output Specifications	
Return Loss	< -23dB @ 1.5GHz < -18dB @ 3GHz
Rise and Fall Time	800ps +/- 10% (SD) 240ps +/- 10% (HD)
Signal Level	800mV +/- 10%
DC Offset	0 Volts
Overshoot	< 10%
HD Mode	10-bit SMPTE-292M serial digital



