

PreSonus StudioLive 32SC Series III Subcompact 32-Channel/22-Bus Digital Mixer with AVB Networking and Dual-Core FLEX DSP Engine

Microphone preamplifier

Input Type	XLR Female, balanced
Frequency Response to Main Output (at unity gain)	20-20 kHz, \pm 0.5 dBu
Input Impedance	1 k Ω
THD to Main Output	<0.005%, +4 dBu, 20-20 kHz, unity gain, unwt'd
S / N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd)	94 dB
Common Mode Rejection Ratio (1 kHz at unity gain)	65 dB
Gain Control Range (\pm 1 dB)	0 dB to +60 dB
Maximum Input Level (unity gain)	+12 dBu
Phantom Power (\pm 2 VDC)	48 VDC, switchable per channel

Line Inputs

grade	$\frac{1}{4}$ " TRS Female, balanced
Frequency Response to Main Output (at unity gain)	20-20 kHz, \pm 0.5 dBu
Input Impedance	10 k Ω
THD to Main Output	<0.005%, +4 dBu, 20-20 kHz, unity gain, unwt'd
S / N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd)	94 dB
Maximum Input Level	+18 dBu

Tape Inputs

grade	RCA Female, unbalanced (stereo pair)
Maximum Input Level	+12 dBu, \pm 0.5 dBu

XLR Outputs

grade	XLR Male, balanced
Maximum Output Level	+24 dBu, \pm 0.5 dBu
Output Impedance	100 Ω

Line Outputs	
grade	¼" TRS Female, balanced
Maximum Output Level	+ 18 dBu, ± 0.5 dBu
Output Impedance	100Ω
Tape Outputs	
grade	RCA Female, unbalanced (stereo pair)
Maximum Output Level	+ 18 dBu, ± 0.5 dBu
Output Impedance	100Ω
Headphone Output	
grade	¼" TRS Female, active stereo
Maximum Output	100 mW / ch. @ 60Ω load
Frequency Response	20 Hz - 20 kHz (± 0.5 dB)
THD + N	0.01%, 1 kHz, max gain, 20 Hz BW, unwt'd
S / N ratio	96 dB, 1 kHz, max gain, 20 Hz BW, unwt'd
System Crosstalk	
Input to Output	-90 dB (Ref = +4 dBu, 20 Hz-20 kHz, unwt'd)
Adjacent Channels	-87 dB (Ref = +4 dBu, 20 Hz-20 kHz, unwt'd)
Digital Audio and Control	
ADC Dynamic Range	115 dB (A-wtd, 48 kHz)
DAC Dynamic Range	115 dB (A-wtd, 48 kHz)
USB Recording Port	USB 2.0, Type-B
AES / EBU output	XLR Male
Network Control Port	RJ-45
AVB Audio Network Port	Locking XLR Ethernet
Internal Processing	32-bit, floating point

Sampling rate	48 kHz, 44.1 kHz
A / D / A Bit Depth	24
Reference Level for 0 dBFS	+18 dBu
Total System Latency	1.9 ms (local routing, analog in-analog out, all processing active)
Clock	
jitter	<20 ps RMS (20 Hz - 20 kHz)
Jitter Attenuation	> 60 dB (1 ns in, 1 ps out)
Power / Environmental	
Connector	IEC
Input-Voltage Range	90 to 230 VAC (\pm 10%)
Power Requirements (continuous)	85W
Recommended Ambient Operating Temperature	0° to 40° Celsius / 32° to 104° Fahrenheit
Physical	
height	6.51" (165.36 mm)
Width	17.59" (446.66 mm)
Depth	22.97" (583.48 mm)
Weight	23.15 lbs. (10.5 kg)