

Soundcraft Si Performer 1 Specs

Mixer

Number of Analog Input Channels 16

Number of Mic Preamps 16

Signal Processing

Gain/Trim Range **Mic:**
-5 dB to 58 dB (in 1 dB Steps)
Line:
-10 dB to +16 dB

Gate Parameters **Threshold:** -60 to -6 dBFS
Depth: -60 to -3 dB
Attack: .1 ms to 200 ms
Release: 20 ms to 500 ms

Compressor Parameters **Threshold:** -52 to -6 dBFS
Ratio: 1:1 to 20:1
Attack: .1 to 200 ms
Release: 5 to 900 ms
Makeup Gain: 0 to 24 dB

Sidechain Filters **Gate:**
High-Pass: 22 Hz to 2.5 kHz
Low-Pass: 160 Hz to 20 kHz

EQ Parameters	<p>HF Shelf: ±15 dB at 800 Hz to 20 kHz</p> <p>MF Notch/Peak: ±15 dB at 22 Hz to 20 kHz, 6 to 0.3 Q</p> <p>LF Shelf: ±15 dB at 20 Hz to 500 Hz</p>
Graphic EQ	28-Band 1/3 Octave, 31 Hz to 16 kHz
Filters	High-Pass: 40 Hz to 1 kHz
Audio Delay	Adjustable Up to 500 ms

Digital Audio

Sample Rates	<p>AD/DA Conversion: Up to 200 kHz</p>
Bit Depth	<p>AD/DA Conversion: 24-Bit</p>
DSP	40-Bit Floating Point
Jitter	±7 ns
Word Clock Input	48 kHz ±7 Hz ⓘ
Latency	<p><0.8 ms (Mic Input to Line Output)</p> <p><0.6 ms (Analog Input to AES Output)</p> <p><0.8 ms (AES Input to Line Output)</p> <p><0.5 ms (AES Input to AES Output)</p> <p><0.9 ms (Stagebox Input to Stagebox Output)</p>

Performance

dBFS Reference Level +21.5 dBu = 0 dBFS

Frequency Response **Mic/Line Input:**
20 Hz to 20 kHz \pm 1.5 dB

Max Input Level **Mic Input:**
+22 dBu at Max Gain
Line Input:
+22 dBu at Max Gain

Output Level **Mix Output:**
+21.5 dBu (Max)

Headphone Output
Power 300 mW into 150 ohms ⓘ

I/O Impedance **Mic Input:**
3 kilohms
Line Input:
10 kilohms
AES3 Input:
110 ohms
Output:
150 ohms (Balanced)
75 ohms (Unbalanced)
Word Clock Output:
50 ohms
Word Clock Input:
47 kilohms
AES3 Output:
110 ohms
DMX Output:
120 ohms

Crosstalk	Adjacent Channels: <120 dB Adjacent Inputs: -100 dB at 1 kHz -85 dB at 10 kHz
CMRR	-80 dBu at Max Gain
EIN	-126 dBu at Max Gain (150-ohm Input)
Noise Floor	<-86 dBu at Unity Gain ⓘ
THD	<0.01% ⓘ

Connectivity

Analog Inputs	16 x XLR Mic/Line Input 8 x 1/4" Line Input
Analog Outputs	16 x XLR Line Output 1 x 1/4" TRS Headphone Output
Digital I/O	1 x BNC Input (Word Clock) 1 x RJ45 HiQnet 1 x XLR 5-Pin DMX Output 1 x XLR AES3 Input 1 x XLR AES3 Output
MIDI I/O	1 x MIDI 5-Pin In 1 x MIDI 5-Pin Out
USB	1 x USB Type-A

Expansion Ports	1 x 64 x 64 I/O Card 1 x 64 x 32 I/O Card 2 x I/O Card ⓘ
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Power

AC Input Power	88 to 246 VAC, 50 / 60 Hz
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Power Consumption	130 W (Maximum)
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Lamp Power	12 VDC at 100 mA
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Physical

Operating Temperature	41 to 113°F / 5 to 45°C
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Operating Humidity	0 to 90% ⓘ
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Storage Temperature	-4 to 140°F / -20 to 60°C
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Dimensions	7.4 x 17.5 x 20.9" / 18.8 x 44.5 x 53 cm
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Weight	30 lb / 13.6 kg
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