

# Soundcraft SI Performer 3 Specs

## Mixer

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Number of Analog Input Channels 80

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Number of Mic Preamps 32

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## Signal Processing

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

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

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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

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

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EQ Parameters	<p><b>HF Shelf:</b> ±15 dB at 800 Hz to 20 kHz</p> <p><b>MF Notch/Peak:</b> ±15 dB at 22 Hz to 20 kHz, 6 to 0.3 Q</p> <p><b>LF Shelf:</b> ±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

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

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# Performance

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dBFS Reference Level            +21.5 dBu = 0 dBFS

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

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

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

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Headphone Output  
Power                            300 mW into 150 ohms ⓘ

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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

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Crosstalk	<b>Adjacent Channels:</b> <120 dB <b>Adjacent Inputs:</b> -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

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Analog Inputs	<b>32 x</b> XLR Mic/Line Input <b>8 x</b> 1/4" Line Input
Analog Outputs	<b>16 x</b> XLR Line Output <b>1 x</b> 1/4" TRS Headphone Output
Digital I/O	<b>1 x</b> BNC Input (Word Clock) <b>1 x</b> RJ45 HiQnet <b>1 x</b> XLR 5-Pin DMX Output <b>1 x</b> XLR AES3 Input <b>1 x</b> XLR AES3 Output
MIDI I/O	<b>1 x</b> MIDI 5-Pin In <b>1 x</b> MIDI 5-Pin Out
USB	<b>1 x</b> USB Type-A

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Expansion Ports	<b>1 x 64 x 64 I/O Card</b> <b>1 x 64 x 32 I/O Card</b> <b>2 x I/O Card</b> <sup>ⓘ</sup>
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## Power

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AC Input Power	88 to 246 VAC, 50 / 60 Hz
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Power Consumption	130 W
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Lamp Power	12 VDC at 100 mA per Socket
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## Physical

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Operating Temperature	41 to 113°F / 5 to 45°C
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Operating Humidity	0 to 90% <sup>ⓘ</sup>
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Storage Temperature	-4 to 140°F / -20 to 60°C
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Dimensions	6.7 x 37 x 21.2" / 17 x 94 x 53.8 cm
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Weight	47.5 lb / 21.5 kg
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## Packaging Info

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Package Weight	57 lb
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Box Dimensions (LxWxH)

40 x 25.3 x 10"

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