

Soundcraft 5056170 Specs

Mixer

Number of Analog Input Channels 40

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
HF Shelf:
 ± 15 dB at 800 Hz to 20 kHz

MF Notch/Peak:

±15 dB at 22 Hz to 20 kHz, 6 to 0.3 Q

LF Shelf:

±15 dB at 20 Hz to 500 Hz

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 **AD/DA Conversion:**
Up to 200 kHz

Bit Depth **AD/DA Conversion:**
24-Bit

DSP 40-Bit Floating Point

Jitter ±7 ns

Word Clock Input 48 kHz ±7 Hz ⓘ

Latency <0.8 ms (Mic Input to Line Output)
<0.6 ms (Analog Input to AES Output)
<0.9 ms (Stagebox Input to Stagebox Output)

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
Line Input:
+22 dBu

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
Output:
150 ohms (Balanced)
75 ohms (Unbalanced)
Word Clock Output:
50 ohms
Word Clock Input:
47 ohms
AES3 Output:
110 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% ⓘ

Power

AC Input Power	88 to 264 VAC, 50 / 60 Hz
Power Consumption	130 W (Maximum)

Physical

Operating Temperature	41 to 113°F / 5 to 45°C
Operating Humidity	0 to 90%
Storage Temperature	-4 to 140°F / -20 to 60°C
Dimensions	6.3 x 29.5 x 19.7" / 160 x 750 x 500 mm
Weight	44.1 lb / 20 kg

Packaging Info

Package Weight 53 lb

Box Dimensions (LxWxH) 35.5 x 26.5 x 12.5"
