

# Soundcraft Vi5000 Specifications:

- Frequency Response:
  - Stagebox Mic input to Line output: +0/-1dB, 20Hz-20kHz
  - AES/EBU In to AES/EBU Out: +0/-0.2dB, 20Hz-20kHz
- T.H.D. & NOISE:
  - Stagebox Mic In (min gain) to Local Line Out, 22Hz-22kHz: < 0.003% @ 1kHz
  - Stagebox Mic In (max gain) to Local Line Out, 22Hz-22kHz: < 0.020% @ 1kHz
  - Local Line In to Line Out, 22Hz-22kHz: < 0.003% @ 1kHz
  - Mic Input E.I.N (22Hz-22kHz bandwidth, unweighted: < -126dBu (150 Ohm source)
  - Residual Noise, Stagebox line output; no inputs routed, Mix fader @0dB: -91dBu
  - CMRR, Stagebox Mic input: 80dB @ 1kHz
  - Sampling Frequency: 48kHz or 96kHz
  - Latency, Stagebox Mic Input to Local Line output : < 2ms @48kHz
  - AES/EBU Input Sample Rate: 32-108kHz (with SRC enabled)
  - DSP resolution: 40-bit floating point
  - Internal clock accuracy: < +/-50ppm
  - Internal clock jitter: < +/-5ns
  - External Sync: BNC Wordclock
- Input & Output Levels:
  - Mic Inputs: +28dBu max
  - Line Inputs: +22dBu max
  - Line Outputs: +22dBu max
  - Nominal Operating Level: +4dBu (-18dBFS)
- Input & Output Impedances
  - Mic Inputs: 10kOhm
  - All other analog Inputs >10kOhm
  - Line Outputs < 75 Ohms
  - AES/EBU Outputs: 110 Ohms
- Oscillator: 20Hz to 20kHz/Pink/White Noise, variable level
- Stagebox HP Filter: 80Hz fixed, 12dB per octave
- Channel HP filter: 20Hz-600Hz, 18dB per octave
- Channel LP filter: 1kHz-20kHz, 18dB per octave
- EQ (Inputs and bus Outputs):
  - HF: 20Hz-20kHz, +/-18dB, Q= 0.3-8.7 or shelving
  - Hi-Mid: 20Hz-20kHz, +/-18dB, Q=0.3-8.7
  - Lo-Mid: 20Hz-20kHz, +/-18dB, Q=0.3-8.7
  - LF: 20Hz-20kHz, +/-18dB, Q= 0.3-8.7 or shelving

- Metering: Internal 20-segment LED bargraphs plus 9-segment gain reduction meters for all inputs and Outputs. Peak hold variable from 0-2s.
- Mains Voltage operating range: 90-264V, 47-63Hz, autoranging
- Mains Power Consumption: 300W
- Operating Temperature Range: 0°C – 45°C (32°F – 113°F)
- Relative Humidity: 0% – 90%, non-condensing Ta=40°C (104°F)
- Storage Temperature Range: -20°C – 60°C (-4°F – 140°F)