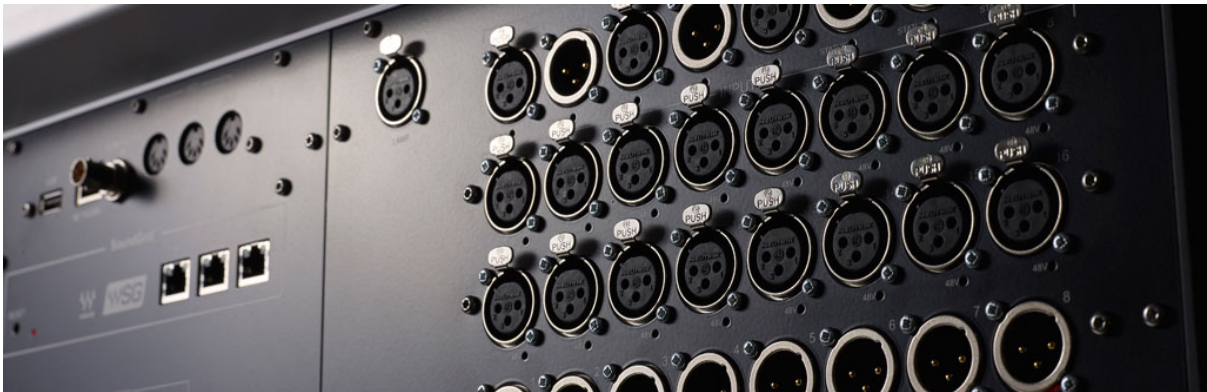


Cadac CDC-Five Specification



General Specifications CDC five

Faders	16 x 100mm motorised faders
Screens	23.5" 16:9 HD
PSU	1 x internal PSU (option to add second external 19" 2U rackmount PSU with full redundancy)
Inputs	Up to 192 (inc local I/O)
Channels	48 with full processing
Busses	24 configurable in pairs as group/aux/st aux plus dedicated LCR, monitor LR and talkback
Matrix	Up to 67 x 48 with full processing
Outputs	Up to 192 (inc local I/O)
Graphic EQ	32 band +/-16 dB on all 55 outputs

Internal FX	16 high-resolution 96 kHz stereo effects processors
Local IO	16 x XLR Mic Inputs (inc 48 V, PAD and 1 dB gain steps), 8x XLR Balance XLR AES/EBU inputs and 4 x XLR AES/EBU outputs
Comms	2 x Cadac MegaCOMMS

Audio Specification

Sample Rate	96 kHz
Processing Delay	Sub 0.4 millisecond latency through complete signal chain
Internal Processing	40-bit floating point
ADC/DAC	24-bit
Frequency Response	20 Hz to 44 kHz + 0.5 / -1.5 dB
THD+N	better than 0.005% @unity gain, 10 dB input at 1 kHz
Channel Separation	better than 90 dB
Residual Output Noise	< -90 dBu (20 Hz – 20 kHz)
MIC EIN	< -127 dB with 200 Ohm source impedance
Maximum Output	21 dBu