

# Product Comparison



	SD11i	SD9 Supercharged	SD8 Overdrive II	SD10 Nitrous	SD5	SD7 MACH 3
Max no of Input Processing Channels	32 Flexi*	48 Flexi*	60 Flexi*	96 channels, 12 Flexi*	124	253
Maximum Buss Count	39***	47***	67***	71***	98***	160**
Max aux / sub-group busses	12 Flexi* (full processing**)	16 Flexi* (full processing**)	24 Flexi* (full processing**)	48 (full processing**)	56 (full processing**)	128 (full processing**) (inc 2x solo buss)
Matrix (in addition to aux / sub - group)	8 x 8 (full processing**)	12 x 8 (full processing**)	16 x 12 (full processing**)	16 x 16 (full processing**)	24 x 24 (full processing**)	32 x 32 (full processing**)
Solo busses	2	2	2	2	2	2
Max no. of inputs - Non optic consoles	130	180	N/A	N/A	N/A	N/A
Max no. of inputs - 1 console on optic loop	N/A	N/A	576	576	632	696
Max no. inputs - 2 consoles on optic loop	N/A	N/A	632	632	688	752
Local I/O spec	16x mic/line inputs, 8x line outputs, 2x AES/EBU I/O (mono streams)	8x mic/line, 8x line outputs , 4x AES/EBU I/O (mono streams)	8x mic/line, 8x line outputs, 8x AES/EBU I/O (mono streams)	8x mic/line, 8x line outputs, 8x AES/EBU I/O (mono streams)	8x mic/line, 8x line outputs, 8x AES/EBU I/O (mono streams)	12x mic/line, 12x line outputs, 12x AES/EBU I/O (mono streams)
Max no. of outputs	122	180	576	576	632	696
Max no. of faders	12	24	37	37	37	52 (plus 48 if used with 2 x EX007)
Screen	1x 15" touch	1x 15" touch	1 x 15" touch	1x 15" touch	3 x 15" touch	3 x 15" touch
Ext. overview screen	Yes	Yes	Yes	Yes	Yes	Yes
I/O expandability	Yes	Yes	Yes	Yes	Yes	Yes
Insert points / channel	1	1	2	2	2	2
On Board FX	6	8	12	16	24	48
Graphic Eqs (32-Band)	12	16	24	24	32	32
Dynamic EQ	6	8	10	16	24	256
Buss 8-band Parametric EQ	No (4 band only)	No (4 band only)	No (4 band only)	Yes	Yes	Yes
Multiband Compression	6	8	10	16	24	256
DiGiTubes	6	8	10	16	24	256
Multi-channels	Yes	Yes	Yes	Yes	Yes	Yes
VCA - style control groups	8	8	12	24	24	36
Set Spill	Yes	Yes	Yes	Yes	Yes	Yes
Mute Groups (part of control groups)	8	8	12	24	24	36
Reorder Busses	Yes	Yes	Yes	Yes	Yes	Yes
Multi-operator	By remote only	By remote only	By remote only	By remote only	Yes	Yes
Surround	No	No	No	No	Yes	Yes
MADI connectivity	1x Port	1x Port	2x Redundant ports	2x Redundant ports	3x Redundant ports	4x Redundant ports
Optics	No	No	Yes	Yes	Yes	Yes
Snapshot Offline	Yes	Yes	Yes	Yes	Yes	Yes
Snapshot Auto-Update	No	No	Yes	Yes	Yes	Yes
Sampling rates	48 kHz	48 kHz	48 / 96 kHz	48 / 96 kHz	48 / 96 / 192 kHz	48 / 96 / 192 kHz
Signal processing	FPGA, up to 40-bit floating-point	FPGA, up to 40-bit floating-point	FPGA, up to 40-bit floating-point	FPGA, up to 40-bit floating-point	FPGA, up to 40-bit floating-point	FPGA, up to 40-bit floating-point
Audio processing and OS location	Surface	Surface	Surface	Surface	Surface	Surface
Redundant Processing and Computer	No	No	No	No	No	Standard
Redundant PSU's	Yes - by remote PSU option only	Yes - Option	Yes	Yes	Yes	Yes
Stage Rack spec	D-Rack - 32/8 I/O (expandable to 16 O)	D-Rack - 32/8 I/O (expandable to 16 O)	Up to 56 in / 56 out / MADI split x2 (@ 48kHz)	Up to 56 in / 56 out / MADI split x2 (@ 48kHz)	Up to 56 in / 56 out / MADI split x2 (@ 48kHz)	Up to 56 in / 56 out / MADI split x2 (@ 48kHz)
Max no of Racks	2 (with Little Red Box)	3 (With Little Red Box)	16	16	17. On 2 loops = 31	18. On 2 loops = 32
Rack Interface	MADI / RJ45 CAT 5	MADI / RJ45 CAT 5	MADI / Optocore (option)	MADI / Optocore (option)	MADI / Optocore	MADI / Optocore
Connector type for racks	BNC / CAT 5	BNC / CAT 5	BNC / HMA optics / ST / Opticon (option)	BNC / HMA optics / ST / Opticon (option)	BNC / HMA optics / ST / Opticon	BNC / HMA optics / ST / Opticon
Rack sharing FOH/MON	Gain Tracking	Gain Tracking	Gain Tracking	Gain Tracking	Gain Tracking	Gain Tracking
Offline Software	Yes	Yes	Yes	Yes	Yes	Yes
Recording	Virtual Soundcheck up to 56 channels	Virtual Soundcheck up to 56 channels	Virtual Soundcheck up to 112 channels	Virtual Soundcheck up to 112 channels	Virtual Soundcheck up to 168 channels	Virtual Soundcheck up to 224 channels
Dimensions (mm) and Weight (kg)	483(w) x 577(d) x 232(h) - 24Kgs	878(w) x 785(d) x 262(h) - 36Kgs	1347(w) x 811(d) x 254(h) - 71.3Kgs	1398(w) x 818(d) x 285(h) - 60Kgs	1465(w) x 850(d) x 753(h) - 116Kgs	1496(w) x 875(d) x 503(h) - 107Kgs
Dimensions (inches) and Weights (lbs)	19.02(w) x 22.72(d) x 9.13(h) - 53lbs	34.57(w) x 30.90(d) x 10.31(h) - 80lbs	53.03(w) x 31.93(d) x 10(h) - 157lbs	55.04(w) x 32.2(d) x 11.22(h) - 132lbs	57.68(w) x 33.46(d) x 29.65(h) - 256lbs	58.9(w) x 34.45(d) x 19.8(h) 236lbs

\* Flexi - Configurable Mono or Stereo without the loss of any resources

\*\* Full Processing - Includes Delay, DiGiTuBe, HP/LP Filters, 4 or 8 Band EQ, Dynamics 1 and Dynamics 2.

\*\*\* Max Buss Count is calculated as Aux / Group Buss + Master Buss (LCR or 5.1 depending on product) + Matrix Buss + 2 Solo Busses (up to 5.1 depending on product)

