DiGiCo

SD TEN

Mixing in great company: Whichever SD Series frame size and feature set suits you, you'll find the same creative mixing power, versatility and sonic purity. From the industry-leading SD7 and ultra-compact SD9 to the new SD Ten and its broadcast twin, the SD Ten B and, most compact of all, the new rackmount SD11.

These qualities have made DiGiCo the chosen digital mixing platform for a breathtaking spectrum of users around the world. From international touring artists to Broadway and West End theatres; from live TV broadcasts and sports events to houses of worship; from nightclubs and festivals to cruise ships and carnivals.

Two factors inspire their choice: a love of making great music, and a desire to mix it on the best sounding and most intuitive range of consoles in the world.

Mixing to the power of Ten:

The DiGiCo SD Ten provides a potent new blend of features, performance, flexibility and sonic clarity, at a level between the midrange SD8 and the industry-leading SD7.

The SD Ten's additional features and benefits, many derived from the SD7, instantly distinguish it from its smaller brother. It comes with all the refinements you would expect on any DiGiCo console, including the power and purity of Stealth Digital Processing™, with the smoothness, accuracy and dynamic range of the latest generation Super FPGA technology with floating point processing, the heart of the standard setting DiGiCo SD7.

It also features a host of exciting new options and an application-specific feature set that's tailored to both front-of-house and monitor mixing. And with the optional broadcast-specific feature set, you can convert your SD Ten into the SD Ten B, perfect for live to air broadcast.

When you're working with large numbers of inputs and outputs, the SD Ten will readily accommodate you, with 96 channels with full processing, 12 of which are Flexi Channels, 48 assignable busses that offer multiple configurations, plus a stereo or LCR master buss and a 16 x 12 output matrix.

The ultimate in intuitive user interfaces provides clear and fast access to the console's powerful audio control, while for exemplary sound quality and transparency the SD Ten works with the next generation of I/O, in the shape of the DiGiCo SD-Rack which delivers up to 192kHz high resolution analogue conversion. A wealth of interfacing options including MADI, Optocore, Dante and analogue connectivity also offers massive flexibility, with the ability to connect up to 14 racks and five redundant-engined consoles on an optical loop.

That's complemented by the powerful option of a fully integrated Waves Sound Grid, for a wealth of world-class, ultra-low-latency effects.

And that's just for starters.

15" Touch Screen with Dynamic EQ Panel

15" Touch Screen with Multiband Dynamics Panel

SD Ten provides the power to deliver with even the largest band and orchestra combination. 96 channels with full processing head the specifications, 12 of which can be configured as full Flexi Channels, allowing them to be switched to fully-featured stereo channels. All inputs are equipped with dual mono inputs for fast 'Main' and 'Alt' channel switching.

Standard input channel processing includes Channel Delay; Single and Multi Channel presets; switchable filtering for HPF and LPF with an industry leading 24db per octave slope for maximum accuracy; four bands of parametric EQ with band curve selection; Compressor and Gate; Dual insert points; and access to all bussing.

Standard output channel processing includes Output Delay; eight bands of parametric EQ, previously only seen on the SD7; Compressor and Gate; Dual insert points; Groups with Buss to Buss routing; and Auxes that have direct talk-to-output with Dim control.

Despite the medium format frame, the SD Ten provides up to 108 simultaneous input channels, thanks to DiGiCo's Flexi Channel feature. With the 12 full Flexi Channels, each of the audio input faders can be selected to handle either mono or full stereo channels, or main and alternative inputs ideal for shows with large numbers of stereo inputs, each with its own full EQ and dynamics. With the ability to assign and unassign any Flexi Channel or buss to any fader, you can easily build custom fader banks – making the entire worksurface fully customisable. For example, you can set up the desk so that no matter what fader bank you're working with, the lead vocalist can always be on the same fader.

Fader Banks

No fewer than 10 Dynamic EQ processors are available simultaneously, further expanding the tremendous amount of sonically transparent signal processing available across the console.

Each of these provides both expansion and compression on all four bands of the parametric EQ – ideal for shaping and controlling your input or output signal in a dynamic way. Up to 10 of these powerful processors can be assigned to any of the input or output channels, whether they are stereo or LCR.

Multi-band compressors allow you to control any input or output channel, perfect for managing complex in-ear monitoring or difficult input channels. Again, up to ten multi-band compressors can be positioned on either input or output channels.

The large, central backlit colour-keyed TFT touch screen makes operation of the most complex functions fast and intuitive, with a touch on the relevant channel strip instantly bringing up the feature required for accurate setting, while storing the settings in a snapshot – or recalling them – is equally simple.

Smart Key Macros are positioned on the right hand side of the SD Ten's surface, with an expanded configuration of four layers of ten RGB backlit smart keys for a total of 40 Macros. The user can program these to control any simple, or complex, functions they want to be able to recall at the push of a button.

Recognising that bussing requirements continually increase, the SD Ten comes to the show well prepared, with 48 assignable busses that can be configured as mono or stereo groups, or as auxiliary busses. Adding to this already substantial bussing resource are an additional stereo or LCR Master buss and a 16x12 output matrix, with the SD Range's industry-renowned routing flexibility that lets you configure the console for the most complex show.

The master section incorporates 24 full 32-band gangable graphic equalisers with centre-detent faders for fast system set-up, along with 12 control groups. And the snapshot facilities allow you to switch between complete configurations during rehearsal, system setup or the show in an instant.

Monitor engineers are also well catered for, with Dual Solo busses an additional feature giving the engineer the comfort and security of accurate monitoring of in-ear sends.

The DiGiCo SD Ten. All the control you need, with the DiGiCo sound you love.

Smart Keys

STEALTH FX – AND THE POWER OF WAVES

The SD Ten comes as standard with a powerful, sonically smooth set of insertable Effects and Graphics. These can be routed, controlled and even stored and recalled in snapshots for the most complex show design.

The 24 graphic equalisers can easily be inserted and controlled from the work surface faders and touch screen and 10 Stealth stereo effects units can be configured at any time from the palette of 33 Stealth effects, including reverbs, choruses, pitch shifters and delays. All Stealth effects are fully automatable, enabling their user-set parameters to be stored as individual presets which can then be triggered from within snapshots.
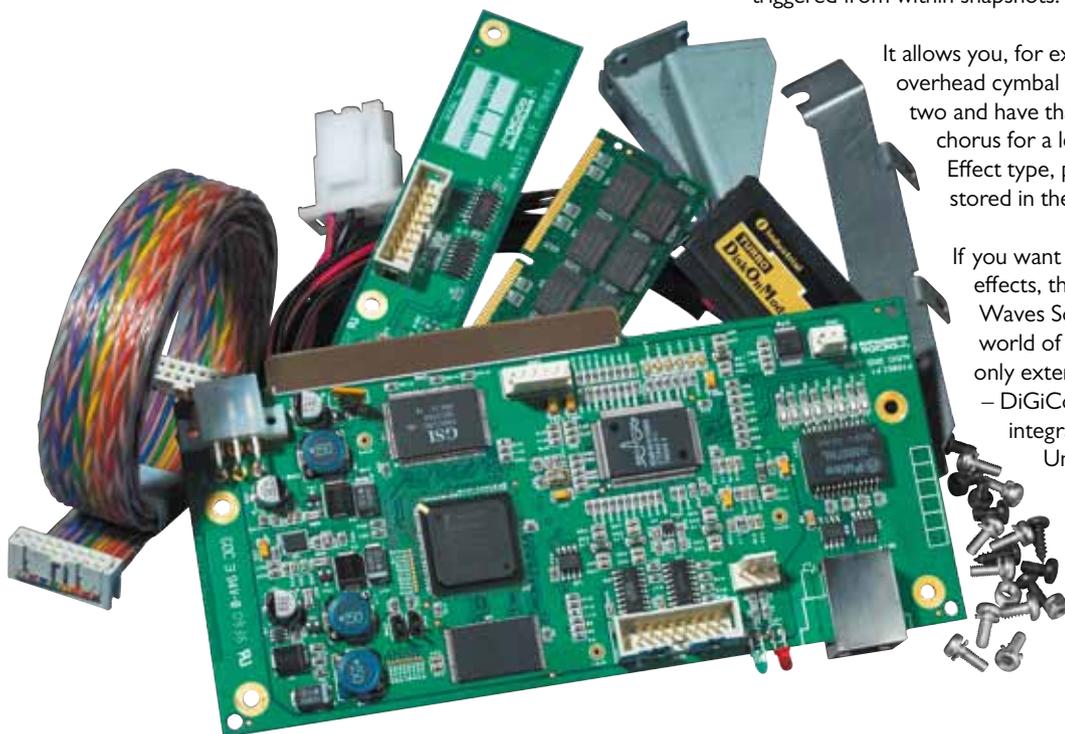
It allows you, for example, to allocate a flanger to overhead cymbal microphones on Aux 7 on song two and have that effect automatically become a chorus for a lead guitar on Aux 3 on song three. Effect type, parameters and routing can all be stored in the user presets.

If you want even more processing and effects, the option of a fully integrated Waves Sound Grid opens up a whole world of choice. And the choice doesn't only extend to the range of Waves effects – DiGiCo takes the concept of Waves integration even further than the norm. Unlike all other Sound Grid platforms, DiGiCo provides complete control of plug-in parameters, as well as recall of snapshots and simple loading and saving directly from the consoles surface.

With the DiGiCo Waves setup, you'll have instant access to up to 16 fully integrated, low latency Waves stereo processor racks, with up to eight plug-ins in each rack for a potential total of 138 individual effects. Perfect for either front-of-house or monitors – and you can use your Waves TDM plugins collections too.

Using Super FPGA (Field Programmable Gate Array) technology with an ultra-short signal path for minimal latency (just over 1mS), the DiGiCo Waves SoundGrid module places the legendary lineup of powerful Waves plugins at your fingertips. That includes the hugely popular bundles such as Mercury, SSL 4000 Collection, GTR3, JJP Analog Legends, Studio Classics Collection, The API Collection and Gold. Popular plugins you can now enjoy with your DiGiCo console's crystalline sound include L2 Ultramaximizer and C4 Multiband.

Console-based MultiRack software allows you to set up, control, recall, snapshot and save Waves plugin configurations as an integral part of your overall mix setup, while the processing power of the dedicated SoundGrid module allows the SD Ten's own processing power remains dedicated to the task of driving the console and its worksurface.

For rental companies stocking the SD Ten, the Waves configuration adds to the value of your rental offering, and your clients benefit from the consoles appeal to a broader range of sound engineers and musicians.

For engineers and musicians who already use Waves plugins, all you need to know is that your chosen rental company has SoundGrid-enabled DiGiCo desks for seamless transition between studio, rehearsal room and the road.

Even monitor engineers, faced with historic problems of latency in other boards running plugins, can celebrate as the low-latency of the FPGA-powered system equals the effects performance at front-of-house.

And if your need is to create a recording of the master with all the internal and Waves effects together, it's a breeze for DiGiCo's MADI-based multitrack recording I/O – a fully integrated solution all round.

Plugin Bundles
Bundles and existing waves plugins' available online at www.waveslive.com or from Waves dealer/distributor

Waves SoundGrid server and suitable gigabit network switch
Available from Waves dealer/distributor

Q10 Paragraphic Equalizer

Vocal Rider

C4 Multiband Compressor

Waves MultiRack

CLA-2A

SuperTap

SSL-G Channel

Renaissance Equalizer

TAKE A CLEARER LOOK AT YOUR MIX

If you've mixed on a DiGiCo console before you'll feel instantly at home with the SD Ten's layout. If not, it should come as a very pleasant surprise, with intuitive mixing at the heart of our user interface design.

The work surface is constructed from anodized aluminium, overlaid with polycarbonate panels to provide clear and concise user feedback, while a giant 15 inch, digitally driven, full colour TFT LCD touch sensitive screen provides you with plentiful feedback as well as fast control of all the main parameters.

The touch screen means you can forget complex menu-driven interfaces, because nothing is ever further than a touch away. Your effects, dynamics and equalisation can be summoned up for each channel in a split second, with no hunting through multiple menus. Your mix is created on a bank of 37 full-length motorised faders with accompanying high resolution bar graph meters to allow fast access to the large number of channels and outputs that can be assigned across the surface.

Every button, fader and control knob is backlit for clarity in the dimmest working conditions (you can adjust the overall brightness of the interface to suit the ambient light) yet the touch screen remains clear even under daylight conditions. And as with all DiGiCo consoles, a dedicated VGA port allows connection of an external Overview screen, providing a clear view of all channels, busses, metering, faders positions and other key features.

The SD Ten's snapshot flexibility – another feature that will be familiar to DiGiCo users – provides a wealth of facilities including global scope, snapshot specific recall, scope and crossfade, with the unique ability to crossfade no less than eight specific parameters within a snapshot – panning parameters, for example, or the ability to create a smooth 'morph' between EQ settings; the creative possibilities of the feature are virtually limitless.

It also provides the facility to take the console offline, enabling snapshot editing without affecting audio. There are also 40 user-defined Macros for fast access to key parameters. For users upgrading from analogue or a budget digital desk, the snapshot and Macro facilities will open an exciting new realm of possibilities.

37 Motorised Faders with High Resolution Bar Graph Meters

Anodised Aluminium Work Surface Overlaid with Polycarbonate Panels
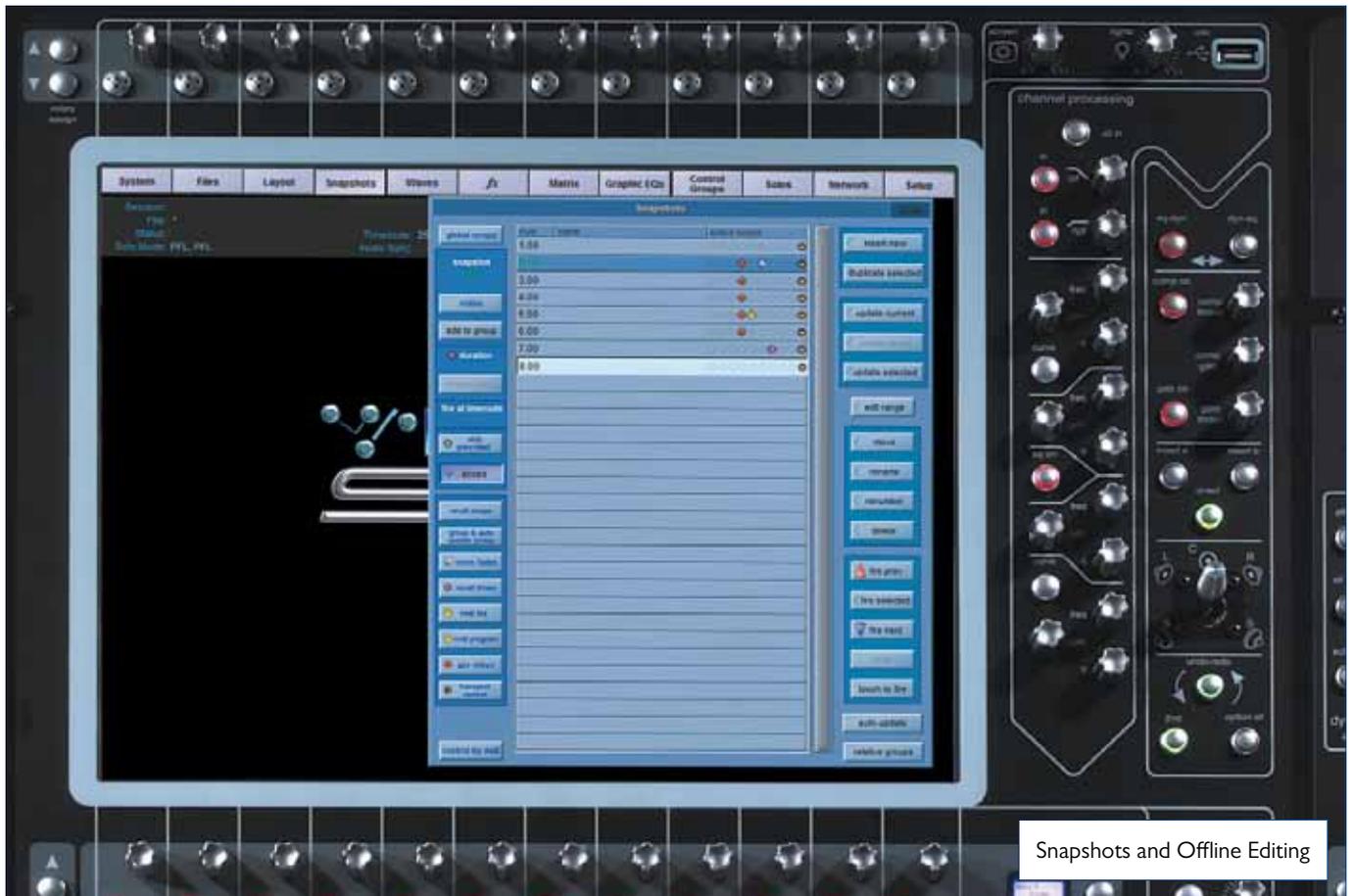
Snapshots and Offline Editing

User Defined Smart Macro Keys

D-Rack

19" Rack Ears (optional)

8 Analogue Outputs (optional)

8 AES Mono Stream Outputs (optional)

D-Rack (with Optics) 32 Mic in 8 Analogue Out with Options

A   B   C   D   E

SD-Rack. The world's first intelligent I/O rack.

Based on DiGiCo's ten years of touring experience, the natural partner for the SD Ten with its state-of-the-art sample rate is the SD-Rack. Based around Stealth Digital Processing™ FPGA technology that delivers the SD7's acclaimed sonic quality, the SD-Rack with Multiple Synchronous I/O is the ultimate upgrade for your SD Ten, offering up to 448 physical I/Os on a redundant loop at 96kHz.

Versatile sample rate conversion heads the list of attractive options. While the SD-Rack gives you 112 processing paths of 192kHz I/O, you can also select other sample rate options for specific outputs – MADI at 48kHz for broadcast feeds, for example, or 96kHz.

This means that, in conjunction with your SD Ten console, the SD-Rack will serve you as a multi-sample rate signal splitter that even allows you to use our ultra-smooth microphone preamps to replace the standard mic preamps of an analogue or other digital console.

Then there's the versatility of Gain Tracking™ and splitting. Gain Tracking™ allows another console or a broadcaster to take any of an SD-Rack's AES, analogue or MADI stream outputs at a stable output level, irrespective of the microphone preamp settings on the SD Ten, covering a signal level range of +/-40dB. Gain Tracking™ is also provided on the SD-Rack's analogue outputs,

allowing you to split the input signals directly out to, for example, an analogue monitor console. These facilities have become increasingly in demand on complex shows requiring a combination of digital and analogue consoles and broadcast feeds. The Gain Tracking™ feature – switchable per I/O card – simply allows an audio team to select whether or not individual outputs should follow the SD Ten's microphone preamp settings or not.

The familiar 56 input / 56 output arrangement, in blocks of eight, allows you to populate the SD-Rack with the I/O cards to suit your application. And the cards themselves are hot-swappable, with the SD-Rack automatically detecting the card that has been plugged in.

The dual hot swappable power supply units are located at the top of the rack for fast access, so that your connector looms can remain in place near floor level while the more frequently accessed components are right on top.

Other useful touches are '48V present' LEDs that light to confirm 48V is present per XLR. A further LED indicates signal present at each analogue input, giving you a complete picture of activity on the SD-Rack itself.

Connections to the console are completed by a dual MADI pod with six BNC connectors, providing a MADI main and a MADI auxiliary input. These can be switched to provide redundancy at 48Khz, or to allow for running at 96KHz. Further enhancing

DiGiCo Rack

F   G   H   I

flexibility, these can be running at a different sample rate to the optic loop.

The dual MADI pod also provides for a main and aux split, which again can be switched to run at either 48Khz or 96KHz, enabling the console to be connected to other devices – or providing a convenient split feed for broadcast.

Not only is the SD-Rack unique in allowing multiple sample rates, all these connections have the ability to be Gain Tracked, so that even if the SD Ten is connected to a non-DiGiCo console, the feed will be unchanged regardless of the gain settings of the pre amp.

The latest I/O card options include an 8-in/8-out DANTE (Audinate) module, allowing your SD Ten to be fully integrated into networked audio systems via a CAT-5 cable.

Remote setup and monitoring of all SD-Rack settings can be performed with a PC or Apple Mac, thanks to the SD-Rack USB Port feature. Under its control are functions such as analogue gains, phantom power status per input, and Word Clock in and out, permitting SD-Rack synchronisation with external devices.

The DiGiCo SD-Rack for SD Ten. For the ultimate in flexibility and control.

The DiGiCo D-Rack. Perfect for your distributed I/O.

The SD Ten system, flexible enough to support up to five consoles and 14 racks with 448 I/O on a redundant loop, also comes with a compact I/O rack option, the D-Rack.

Ideal for when your I/O requirements may be divided between multiple stage boxes and other rackmountable local I/O, the DiGiCo D-Rack, with its fixed architecture and optical I/O running at 96kHz, is the perfect cost-effective partner for your main SD-Rack.

SD Rack I/O Modules

A 192kHz Mic/Line Input Card
B 192kHz Analogue Output Card
C AES/EBU Output Card
D AES/EBU Input/Output Card
     with bi-directional sample rate conversion
E DANTE 8 Input/8 Output Card
F AES/EBU Input Card
G AES-42 Input Card for digital microphones
H ADAT Input/Output Card with optical connections
I Aviom D-16c A-Net Card

EXPANSION. SO THE SD TEN CAN GROW WITH YOUR BUSINESS.

DiGiCo provides a clear pathway to future expansion of your SD Ten's facilities, in particular to its input/output (I/O) options.

Local I/O, positioned on the rear of the console, consists of eight Mic inputs, eight Line outputs, eight Mono AES I/O, two MADI connections with redundant cabling connections, 16 GPI and GPO connections, – with the option to expand to 32 GPI and GPO, with Wordclock for synchronisation with external devices.

Like all DiGiCo consoles, the SD Ten software will run on a standard PC or Intel based Mac to allow offline preparation of sessions or remote control of the console; all console functions are also available on the PC, and the software interface is identical.

And in the same way as an SD Ten can be remote controlled by a PC, one SD Ten can be linked to another using a standard CAT5 crossover cable. The two consoles are then both available providing 74 faders for control. In this configuration, the audio engine of the first SD Ten will also provide complete redundancy for the other.

There are five more SD Ten expansion options besides Waves SoundGrid.

Second-generation Optocore optic connections allow you to connect to your SD Ten with up to 14 SD or D-Rack IDs with 448 audio channels on a single redundant optical loop.

Five redundant consoles can share all inputs from the stage racks, and outputs on the system can be assigned in blocks of eight. Taking a standard FOH and monitoring system as an example, a single rack can provide 56 inputs to both consoles, with 40 of the outputs assigned to the monitor console and 16 used by Front of House for feeds back to the stage. The system even allows one console to directly route outputs to another console on the loop, for convenient tie lines.

The DiGiCo D-Rack, SD-Rack, SD7 and SD Ten can operate happily together at 96khz. The audio advantage here is very clear, but the additional advantage of speed means just over 1ms of latency when routing a stage input through a channel and buss with processing back to a stage output.

And connectivity to the outside world isn't restricted to just the D-Rack and SD-Rack. The SD Ten comes with different I/O options because tailored DiGiCo systems and complex set-ups are completely user configurable. You also get dual hot-swap, switch mode power supply units as standard.

The dual BNC MADI connections are the key to another aspect of the package – the ability to make live multitrack recordings of rehearsals and shows direct from your SD Ten.

While one MADI is used for the stage rack, the other can route all 48 inputs to any MADI compatible recording system. The SD Ten's worksurface incorporates a convenient flat area at top left to hold a laptop – with sturdy steel locating pegs to keep it in place.

Hook up a laptop running Logic, Cubase, Nuendo, Samplitude, Reaper, Pro Tools or any other leading multitrack recording software to the dedicated MADI port and you're in business with a low cost, studio quality 56 track recording and playback set-up. Perfect, too, for fine-tuning scenes and settings at your leisure.

Overview Screen

Remote Control

Recording

Laptop Mounting
Station

Input Gain
Control

15" Wide View
Touch Screen

DiGiCo

100mm Touch
Sensitive Faders

20 Segment
Meter Strips

3 Line Multi Function
LCD Displays

Waves Soundgrid
Integration Option

GPI

2G Optocore Option

Dual Hot-Swap PSUs

AES
Clock

Word
Clock

MADI 2

Channel
Controls

USB
Connection

Snapshot
Recall, Update,
Crossfade & Offline

Two Solo
Busses

SD TEN

Smart Macro Keys

Touch Turn Encoder and Button

Per Section
Assignable Encoders
and Buttons

Screen and Fader Assign

WSG
WAVES SOUNDGRID

READY

Fader Bank
Assign

Master
Fader

Previous
and Next

3 Pin Light
Connection

Local I/O

TEN

MADI 1

Overview Screen

SD10 TECHNICAL SPECIFICATIONS

General Specifications

Faders	37 x 100mm Touch-sensitive, motorised
Screens	1 x 15" (38cm) LCD high - resolution touch screen
Meters	38 x 20-Segment LED bargraph
Input Channels	96 channels Mono or Stereo (with 12 Flexi Channels, 108 Channels total)
Busses	48 Assignable busses + LR or LCR master
Solo busses	2 Stereo busses
Matrix	16 x 12 Matrix **(additional to busses above)**
Control Groups	12, Selectable for VCA-style, Moving fader, Mute Group
Graphic Eq	24 x 32-band, Gain +/- 12dB
Internal FX	10 Stereo Stealth™ FX processors
Local I/O	8 x Mic/line I/O, 4 x AES/EBU I/O (mono)
MADI interface	2 x 75 ohm Redundant BNC connectivity
MIDI interface	In / Out / Thru
VGA port	DB-15 mini-female (1024 x 768 resolution)
USB ports (3)	USB 2
Light connection (2)	XLR3 1.2 – 12V
Ext Sync	Word clock, MADI
Headphone	TRS unbalanced / 8-600 ohms 1/4 inch Jack
GPI	16 as Standard
GPO	16 as Standard
SD10 Dimensions	1398mm (w) x 818mm (d) x 285mm (h)
SD10 Weight	60Kg/132lbs (112Kg/264lbs with optional flightcase)
SD10 Flightcase (Optional)	1586mm (w) x 1158mm (h) x 504mm (d)
SD10 Power Requirements	90-264 VAC, 47-63Hz Auto Sensing. 235 watts
Redundancy	Internal PSU x 2

Audio Specifications

Sample rate	96kHz / 48kHz
Processing delay	1ms Typical (channel, SD Rack input through L-R buss to stage output @96kHz)
Internal processing	Up to 40-bit, floating point
A>D & D>A	24-bit Converter Bit Depth
Frequency response	+/- 0.6dB (20Hz – 20kHz)
THD	<0.05% @ unity gain, 10dB input @ 1kHz
Channel Seperation	Better than 90dB (40Hz – 15kHz)
Residual output noise	<90dBu Typical (20Hz - 20kHz)
Microphone Input	Better than -126dB Equivalent Noise
Maximum Output Level	+22dBu
Maximum Input Level	+22dBu

Processing Channel Specifications
Input Channel

Name	User-defined / Presets
Channel Selection	Mono / Stereo
Input Routing	Main & Alternate Input
Analogue Gain	-20 to +60dB
Phase	Normal / Reverse
Digital Trim	-40 to +40dB
Delay	<1.3 sec @ 48k (coarse & fine control)
LPF	20 – 20kHz, 24dB / Oct
HPF	20 – 20kHz, 24dB / Oct
Insert A	(pre eq/dyn) On/Off
Insert B	(post eq/dyn) On/Off
Equalisation	4 band EQ: Parametric or Dynamic Dynamic EQ on up to 10 Flexi channels (low/lowshelf, lower-mid/lowshelf, upper-mid/hishelf, hi/hishelf) on/off Freq; 20 – 20kHz Gain; +/- 18dB Q: 0.1 -20 (parametric) / 0.10-0.85 (shelf) Dynamic Eq on/off Over/under Band on/off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1
Compression	Single or multiband (3-band) Multiband Compression on up to 10 Flexi channels on / off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1 Gain; 0 to +40dB with Autogain option Link; any channel / buss Hi crossover; 20Hz – 20kHz Lo crossover; 20Hz – 20kHz

Gate	on/off Threshold; -60 – 0dB Attack; 50us – 100ms Hold; 2ms – 2s Release; 5ms – 5s Range; 0 - 90dB Key; Any source Key listen Freq/width; 20 – 20kHz
EQ/Dyn order	EQ/Dyn or Dyn/EQ
Mute	Channel mute / hard mute
Solo	Solo buss 1 / Solo buss 2 / Both, Auto solo
Channel Safe	Input, eq, dyn, aux, pan, fade/mute, inserts, buss, directs, full safe
Output Routing	Buss, Insert A, Insert B, FX Direct: on/off, pre-mute / pre-fade / post-fade, level +/- 18dB
Fader	100mm Motorised fader -∞ to +10dB

Processing Channel Specifications
Aux / Group / Matrix Output

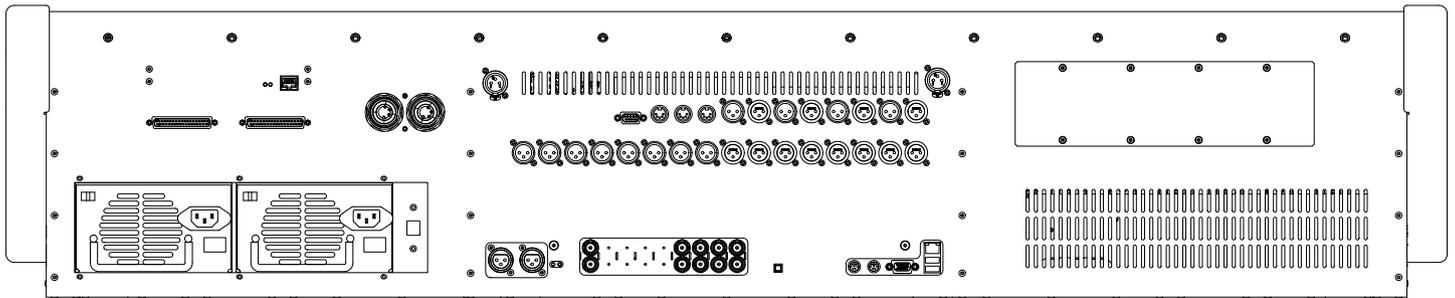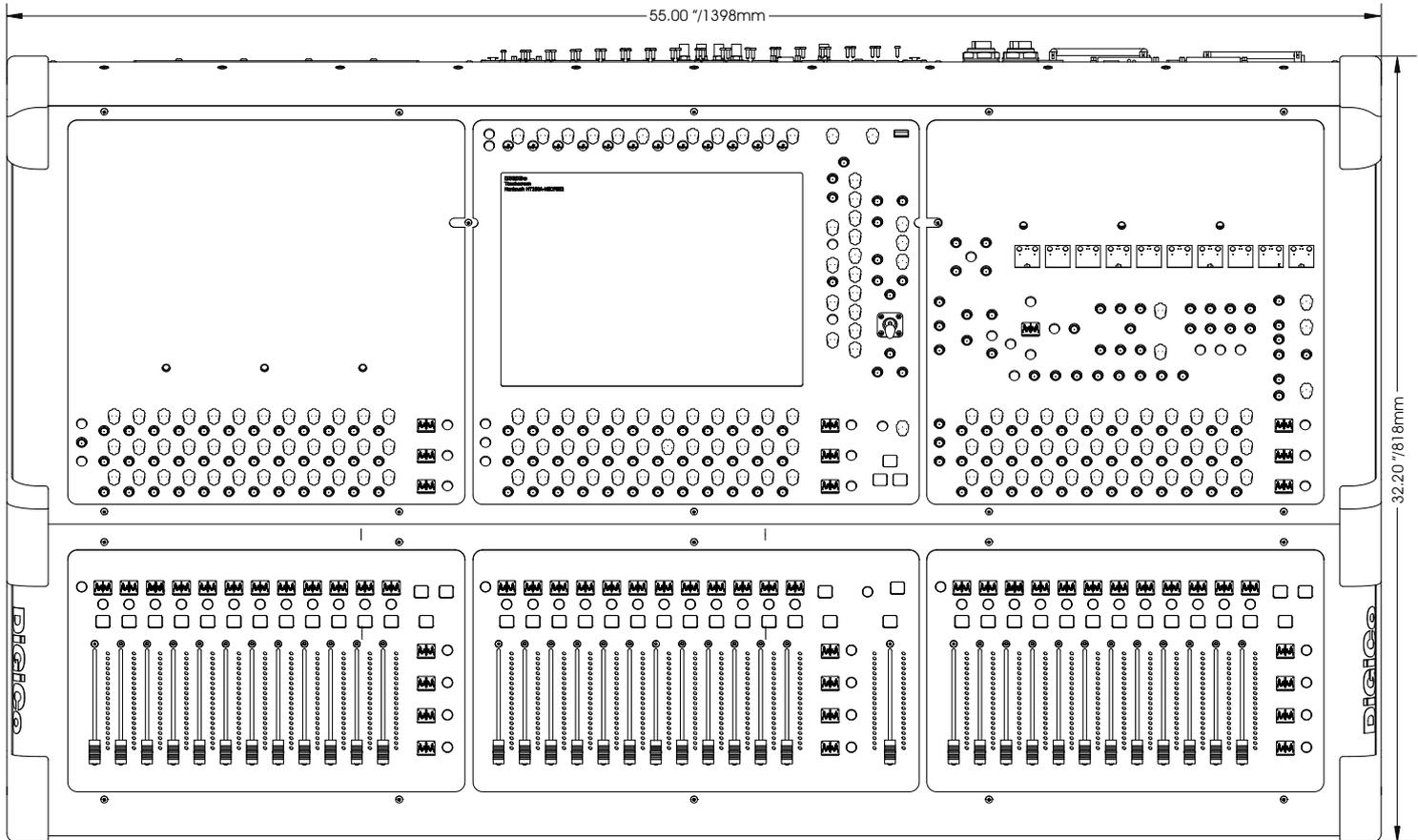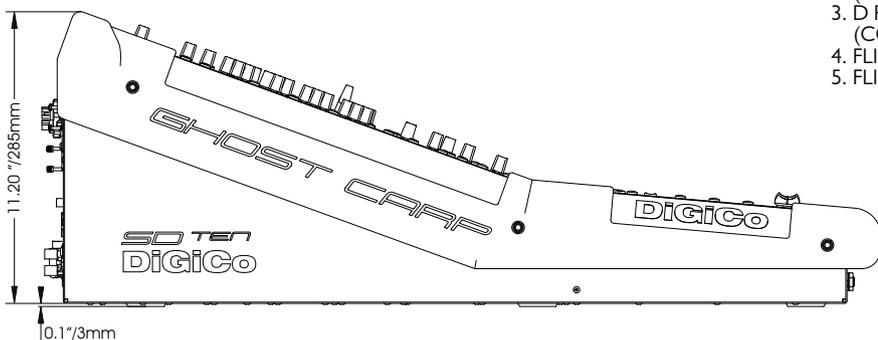|	
Name	User-defined / Presets
Phase	Normal / Reverse
Digital Trim	-20 to +60dB
Delay	<1.3 Sec @ 48k (coarse & fine control)
LPF	20 – 20kHz, 24dB / Oct
HPF	20 – 20kHz, 24dB / Oct
Insert A	(pre eq/dyn) On/Off
Insert B	(post eq/dyn) On/Off
Equalisation	4 band EQ: Parametric or Dynamic Dynamic EQ on up to 10 assignable busses (low/lowshelf, lower-mid/lowshelf, upper-mid/hishelf, hi/hishelf) on/off Freq; 20 – 20kHz Gain; +/- 18dB Q: 0.1 -20 (parametric) / 0.10-0.85 (shelf) Dynamic Eq on/off Over/under Band on/off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1
Compression	Single or multiband (3-band) Multiband Compression on up to 10 assignable busses on / off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1 Gain; 0 to +40dB with Autogain option

	Link; any channel / buss Hi crossover; 20Hz – 20kHz Lo crossover; 20Hz – 20kHz
Gate	on/off Threshold; -60 – 0dB Attack; 50us – 100ms Hold; 2ms – 2s Release; 5ms – 5s Range; 0 - 90dB Key; Any source Key listen Freq/width; 20 – 20kHz
EQ/Dyn order	EQ/Dyn or Dyn/EQ
Mute	Channel mute / hard mute
Solo	Solo buss 1 / Solo buss 2 / Both, Auto solo
Channel Safe	Trim, eq, dyn, fade/mute, inserts, outputs, full safe
Output Routing	Outputs, Insert A, Insert B, FX
Fader	100mm Motorised fader -∞ to + 10dB

Dual Hot Swap PSUs

![DiGiCo SD TEN Technical Specifications logo and technical drawings of the SD10 mixing console]

55.00 "/1398mm

32.20 "/818mm

11.20 "/285mm

0.1"/3mm

DiGiCo SD10 Notes

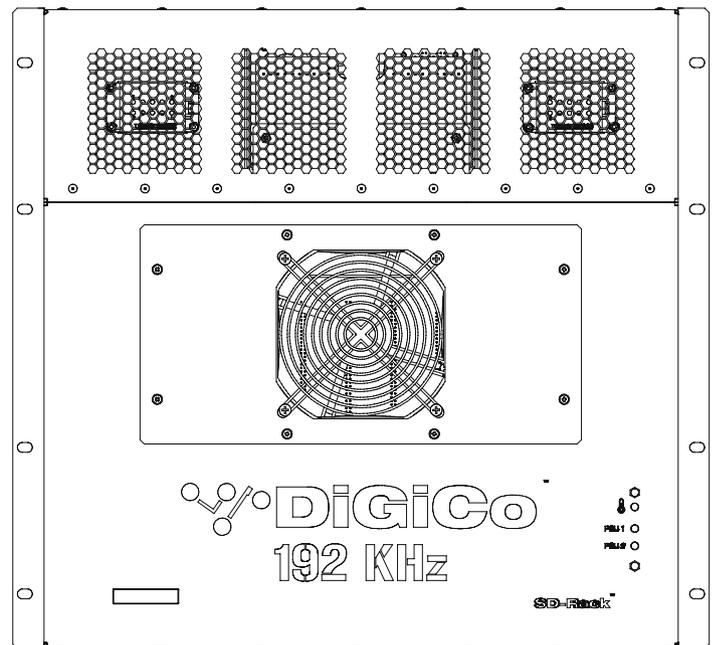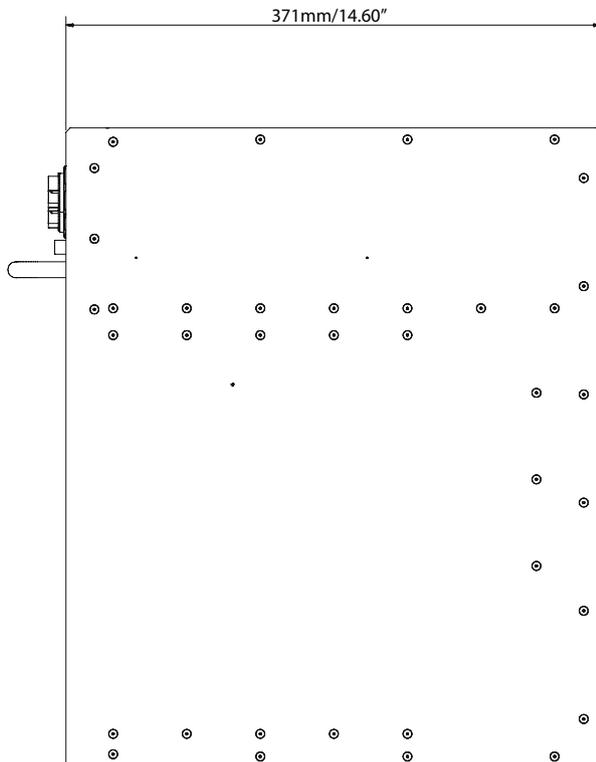|	
1. SD10 WEIGHT	60Kg/132lb
2. SD RACK WEIGHT	33Kg/73lb
(CONFIGURATION DEPENDANT)	
3. D RACK WEIGHT	10Kg/22lb
(CONFIGURATION DEPENDANT)	
4. FLIGHT CASE	112Kg/264lb
5. FLIGHT CASE (PACKED)	175Kg/385lb

CARTON
(NOT TO SCALE)

61.00"/1550mm

37.50 "950mm

FLIGHTCASE
(NOT TO SCALE)

16.5 "/420mm

6.00 "/152.4mm

TRANSPORTATION
LABEL

STEALTH™
DIGITAL PROCESSING

PALLET FOR ILLUSTRATION PURPOSES ONLY

19.84 "/504mm

12.24 "/311mm

28.14 "/715mm

62.44"/1586mm

45.59 "/1158mm

23.89 "/607mm

46.45 "/1180mm
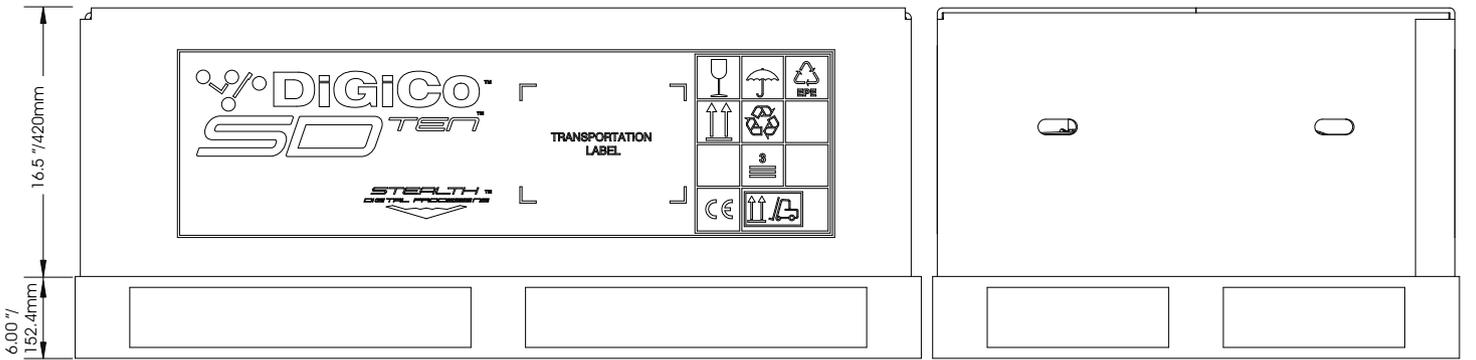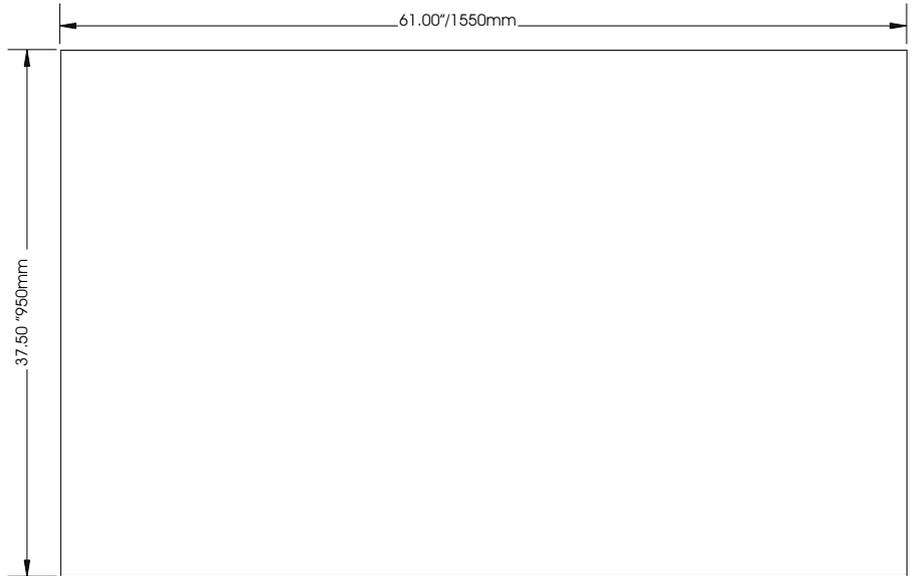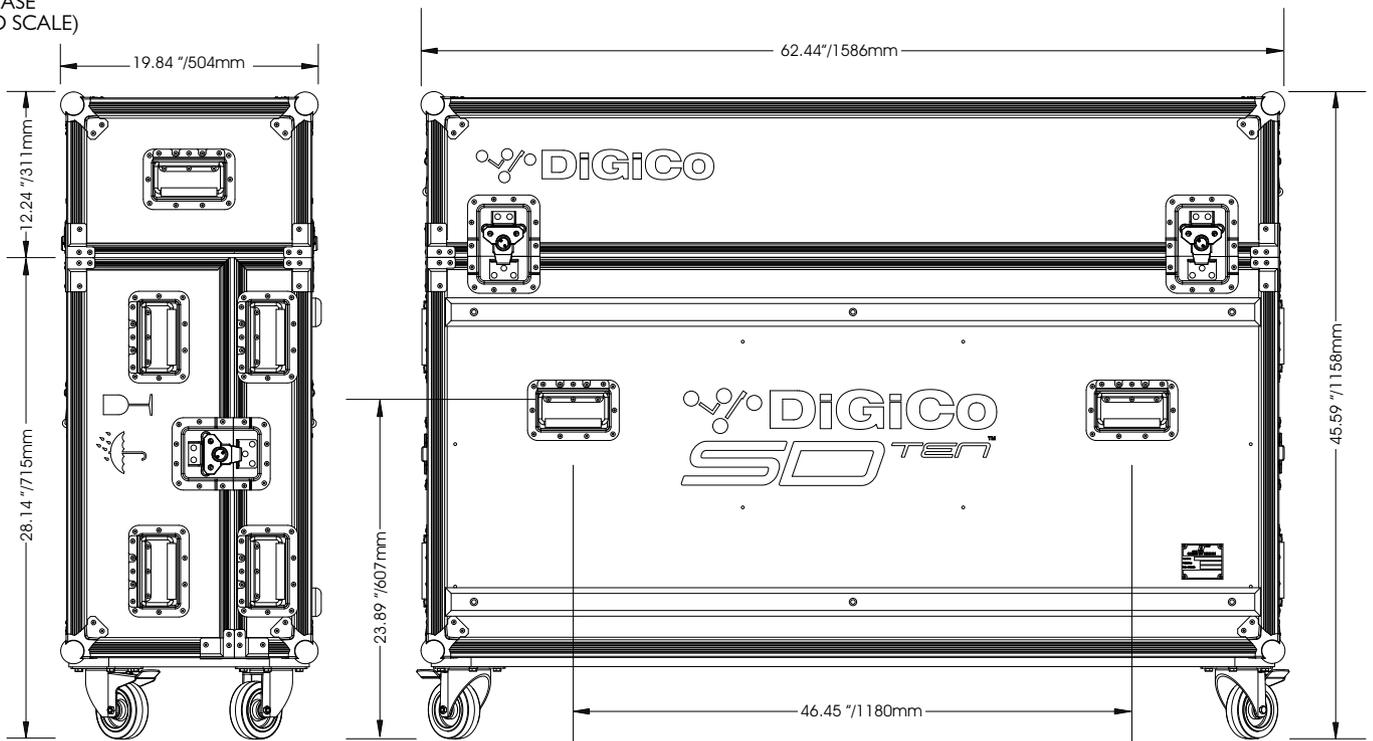
DiGiCo
SD-Rack
Technical Specifications
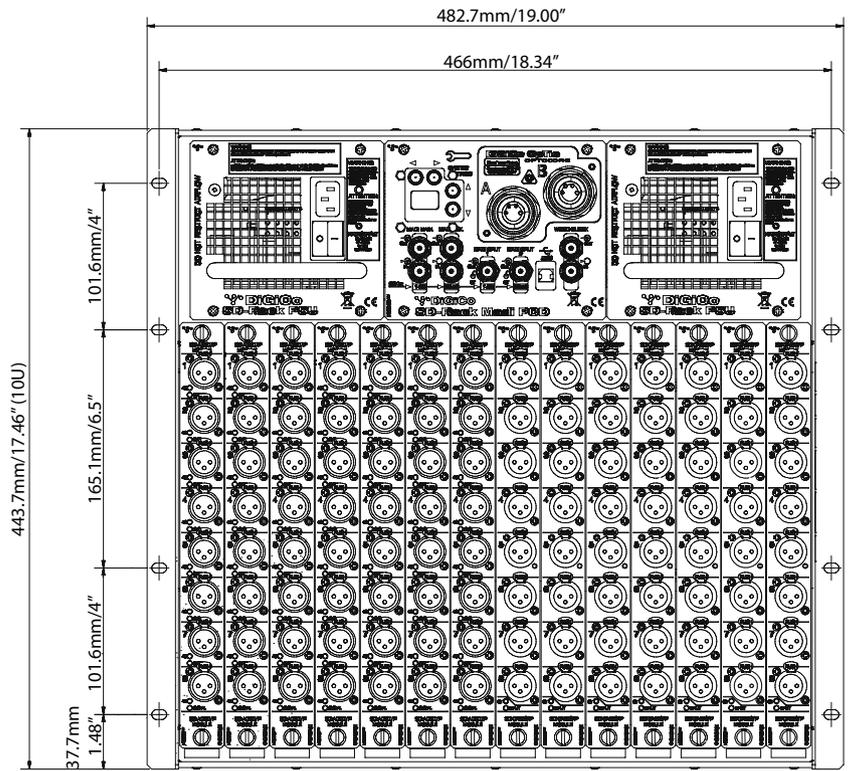
DiGiCo
D-Rack
Technical Specifications

145.0mm/5.71"

310.0 mm/12.21"

215-00054-#

482.6mm/19.01"

412.0mm/16.23"

7U

DiGiCo   D-Rack

1 2 3 4 5 6 7 8
MIC LINE IN 1-8

MIC LINE IN 9-16

MIC LINE IN 17-24

25   32
MIC LINE IN 25-32

1 2 3 4 5 6 7 8
LINE OUT 1-8

LINK OK
PSU 1
PSU 2

179.0mm/7.05"

DiGiCo

DiGiCo OpTiC   CE

A B
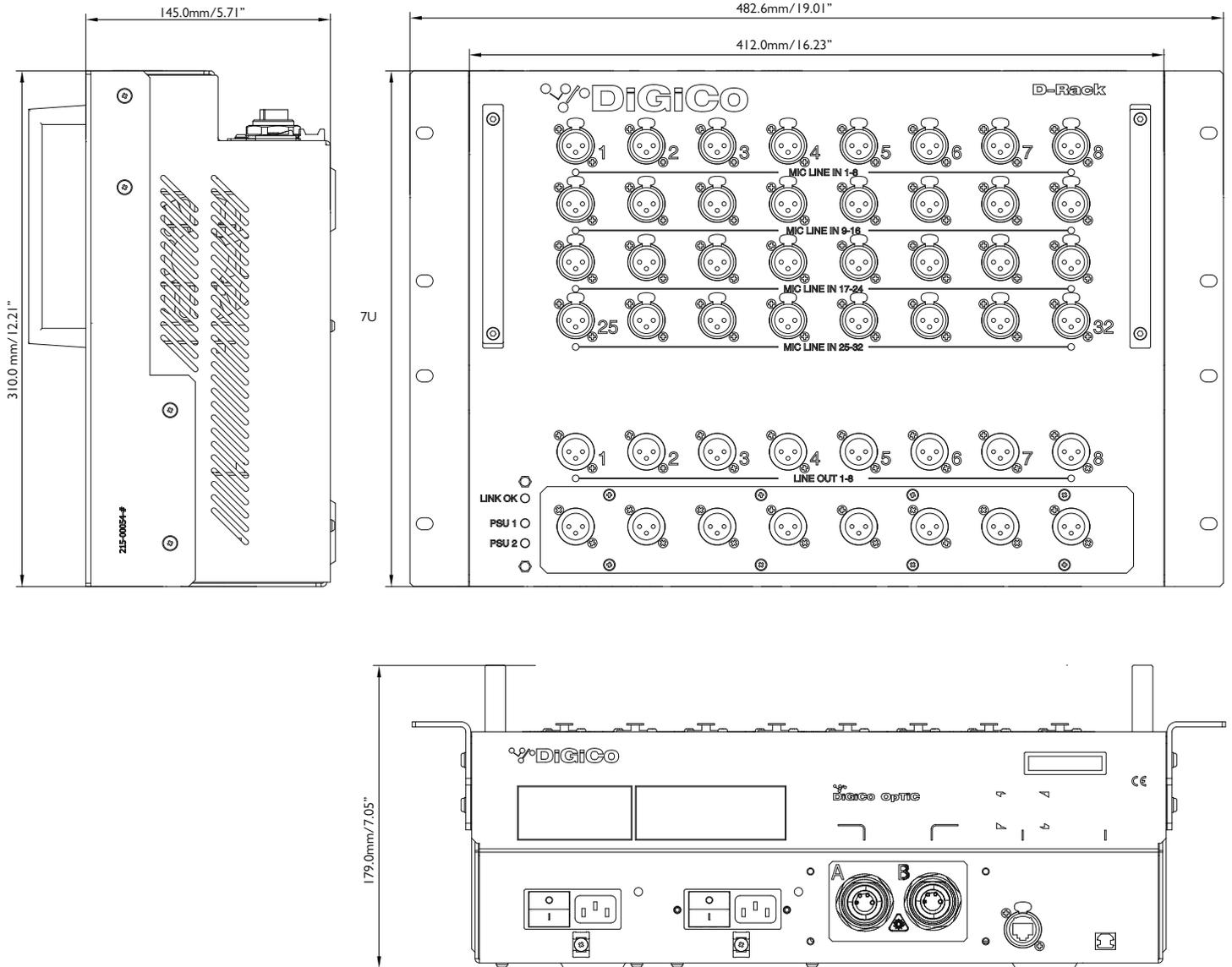
DiGiCo

STEALTH DIGITAL PROCESSING™

When the professional audio world first set eyes on the DiGiCo D5 Live there was a collective sharp intake of breath. Here was the digital mixing console that gave you the best of analogue working practices and audio finesse with all the versatility and feature richness that the digital environment could offer.

A decade on, the SD Series is the new standard setter and its fast, engineer friendly user interface has yet to be beaten. And to many engineers it continues to offer the optimum sonic combination of analogue smoothness and digital clarity.

But expectations continue to rise. In a world as competitive for engineers as it is for console owners, you want the best tools you can lay your hands on. You also want a console as well thought out for every major application as it is designed for the art and science of sound engineering.

Above all, you want to do more. That's why we've added yet more depth and versatility to the SD Series, in which the DiGiCo SD7 is complemented by the compact SD8, the ultra compact SD9 and rackmount SD11 and, now, the powerful SD Ten and SD Ten B.

What Makes the SD Series different from the D Series and other digital consoles?
The SD Series gives you more. More power, more flexibility and more creativity, wrapped in frames which are more serviceable, more compact and more user-friendly than ever.

Selected features include:

- **All audio processing on one chip - Stealth Digital Processing™**

- From input to output all the audio processing on an SD Series console is carried out on one chip using Super FPGA technology with floating-point processing, resulting in enhanced clarity, unique sound characteristics and a smaller console footprint.

- **The Power of Waves**
  The SD Series is the world's first range of digital mixers to offer the power of Waves SoundGrid as a fully integrated option, complementing the array of built-in Stealth digital effects.

- **Slicker Interface**
  With 15 inch touch screen LCD TFT technology and user defined RGB back lit LCD scribble strips delivering uninterrupted user feedback.

- **Advanced Software UI**
  Building on the fine qualities of over 20 years of digital development, our engineers have delivered a user experience that's even faster, easier and more productive than ever. After the briefest introduction it's clear that the DiGiCo range was designed for audio engineers by audio engineers.

Concert Sound
U2 360° Tour

Permanent Install
Wolftrap Arts Centre

Houses of Worship
Eagle Brook Church

Musical Theatre
Mother Courage