S-Series

S21 & S31

Awesome Specification. Exceptional Performance. Stunning Value.

MULTIBAND DYNAMICS

48 TRACK RECORDING

10 X 8 MATRIX

96kHz AS STANDARD

DMI

2 X PLUG-IN CARD SLOTS FOR INTERFACING WITH INDUSTRY FORMATS

INTUITIVE TOUCH USER INTERFACE

STEALTH DIGITAL PROCESSING™

S21

S31

From the beginning, DiGiCo has been at the technological forefront with its products to stay ahead of the game in both flexibility and audio quality. It's impossible to wrap that evolution up in words, but to summarise, DiGiCo was the first console manufacturer to use TFT touch screen technology, and it pioneered Stealth Digital Processing's™ FPGA technology, to replace DSP.

SD7

SD5

SD10

Re-writing
the rule book

STEALTH
DIGITAL PROCESSING

Stealth Digital Processing™ has been particularly instrumental in the SD Series range which, according to a recent independent survey, played a pivotal role in eight of the top ten international grossing tours. It proves that DiGiCo did exactly what it set out to do: be the cutting-edge brand in this industry; and thousands of users will now vouch for that. Safe to say, when it comes to live sound consoles, look no further than DiGiCo.

SD8

SD9

SD11

DiGiCo's high standards in not only audio quality but roadworthy mechanical design, have limited its ability to release an affordable introductory product. These values have required the same pioneering approach to design: not to follow the trend, but to deliver the flagship at an attractive price point and change expectations. DiGiCo's S-Series does exactly that.
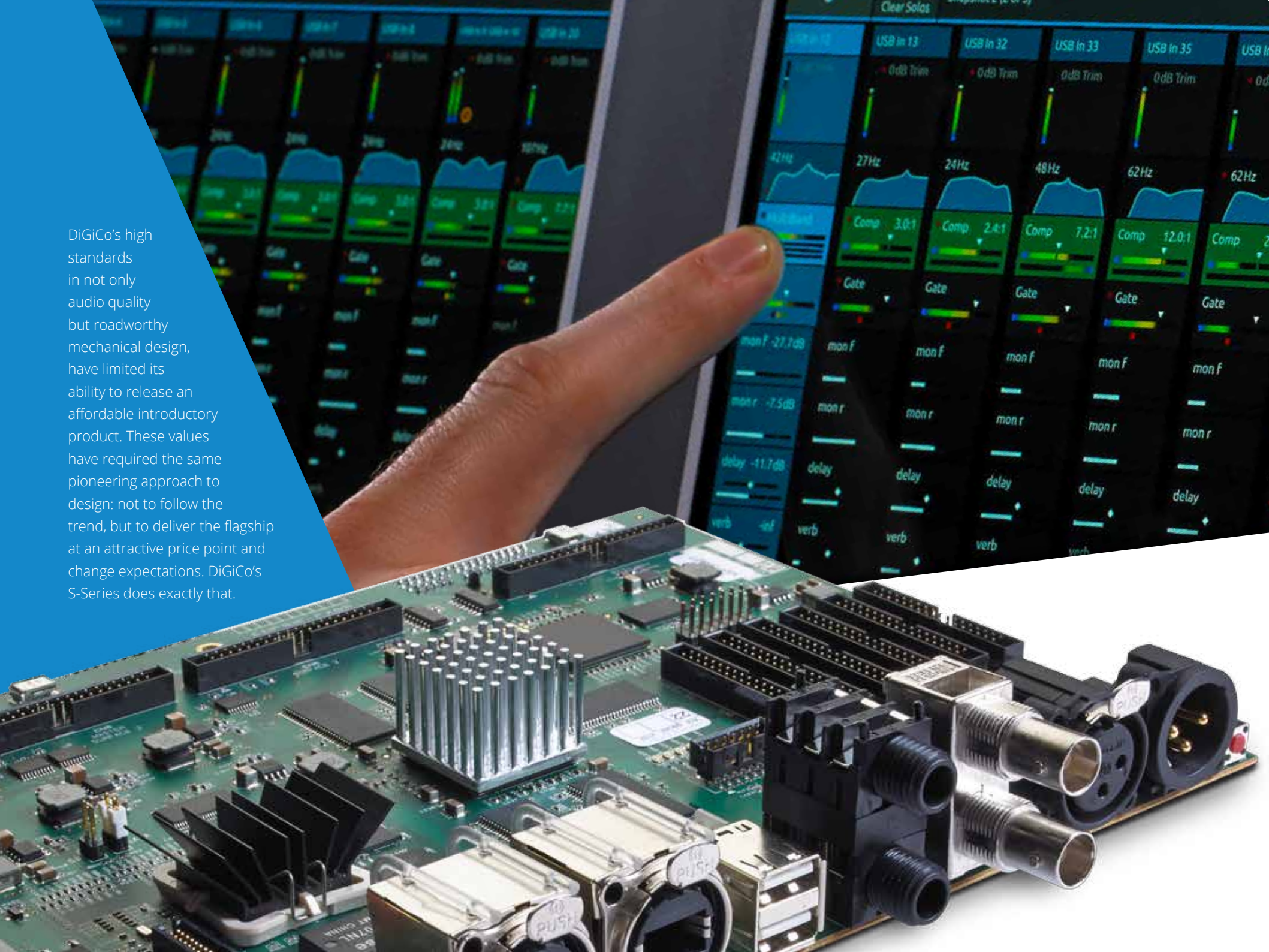
Making
the step

By using new, lower cost FPGA components programmed with the same audio algorithms, combined with a new control processor, DiGiCo is able to deliver the S-Series with the fundamental technological values at its core.

Running in harmony with the FPGA core is a new ARM QuadCore RISC processor, which delivers faster processing with lower power consumption. Combined with the audio core, this has allowed for the development of a cost-effective console worthy of carrying the DiGiCo brand.

To date, it has been the Tiger SHARC™ controlling the FPGA, but integrating these three technologies, along with networking capabilities, was a brand new challenge.

Using the high power QuadCore SoC, associated with high bandwidth memory, the S-Series consoles connect to a low power 484-ball array FPGA, which in turn connects to fourth-generation control SHARC DSP, capable of not only controlling the FPGA, but leaves the door wide open for any additional processing in the future. And don't be fooled by its size: the engine is a pint-sized powerhouse.

Even during DiGiCo's humble digital beginnings back in 1997, touch screens have been at the heart of the operation – and today, you hardly see a console without one. The S-Series required even more rule-bending. DiGiCo opted for the latest P-CAP multi-touch screens for crystal clear visuals and gesture control, and put in a not one but two or even three of them!

DiGiCo   S21

maroon5.session
11:56:18

When audio engineers first see the S-Series, they gravitate towards it. It really is remarkably inviting. This level of connection with the audio sources and their manipulation is something the world's leading audio engineers experience when they harness DiGiCo's super-powerful SD7.

And it's got more than a hint of the SD7 in its aesthetics, too, which is pretty apt considering it shares so much of its functionality: the aluminium extrusion, durable polycarbonate overlays, RGB LED Hidden Til Lit technology – even the touch sensitive faders and integrated LED light bar. You know it's a DiGiCo before you turn the PA on.

Ultimately, the S-Series redefines industry expectations at its price point and at 96kHz out of the box.

The compact multiple-screen design of S-Series provides 10 channel strips per screen, and instant feedback and control on 30 (20 on S21) simultaneous channels, which means it's got your back when it comes to mixing large shows; and the newly-designed drag, swipe and drop channel layout system makes it a piece of cake for engineers to customise their console by moving channels and busses across the surface.

Wherever you are on S-Series, an interactive meter will be at hand, nicely colour-coded to channel, aux, or group.

The beauty of having multiple screens not only gives you more channels to view at any one time, but it means you can make one the master screen, while still operating on the others.

Touch the EQ screen, and you can choose to pinch, touch and drag your curves or for a more old school experience, just use the touch sensitive rotary encoders to fine-tune your frequencies, and press to change function or switch on or off. It's the same philosophy for all other processing functions within the console.

The new-look screen designs are developed under the flat designs philosophy, to aid the user's learning curve, and prevent the engineer being distracted. These will feel familiar to existing DiGiCo users, but at the same time, will make new operators feel right at home.

S-Series provide a great visual experience courtesy of the Hidden Til Lit functionality of the encoder rings, and anything not in use is automatically greyed out, so the engineers always know where they are and what they're working on.

Virtual Soundcheck

It was back in 2002 when DiGiCo first introduced the Touring world to 'Virtual Soundcheck' on the D5 console, and it's been a key feature on DiGiCo consoles ever since, including S-Series. It allows any input channel to be sent from a dedicated pre-processed Record Send point to any output socket. And with S-Series, multitrack recording is a walk in the park, thanks to an integrated 48-channel I/O USB audio interface, which will talk to any DAW software.
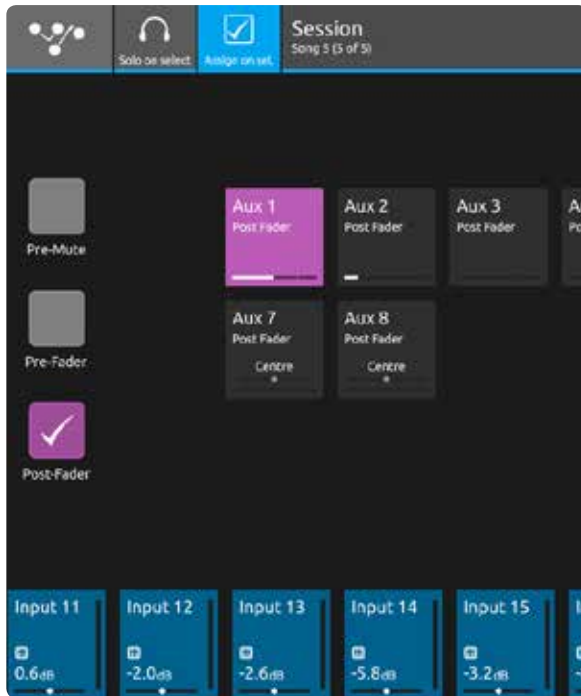
To listen back to a recording, just press the 'Listen to Copied Audio' button, and to switch back to the live sources, simply press
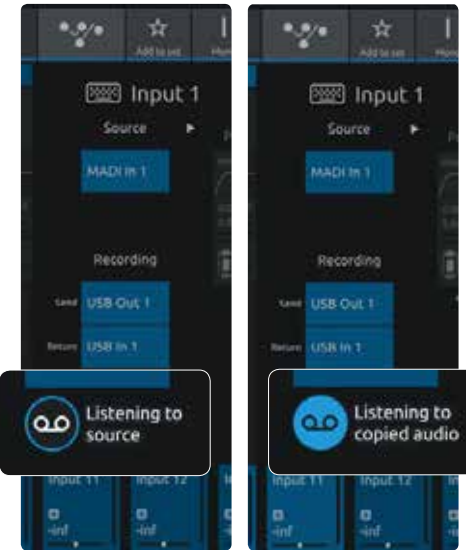
'Listen to Sources'; it's even possible to make individual channels 'Listen Safe', so musicians can play along live to a previous recording and fine-tune their performance as well as their sound.

Features

'Aux to Faders' Mode

In addition to the standard 'Aux to Faders' function found on most digital consoles, the S-Series can also assign the sends to the row of rotaries underneath the screens; a dedicated 'Aux Sends' panel displays every Aux buss in the current session. Touching a buss on the screen will activate the buss solo and/or Aux to Faders, which makes it so simple to create a monitor mix.

Dynamics

Each Input, Aux, Group, and Matrix benefits from full processing at all times: there's a user-definable delay (up to 682ms), a HPF and LPF, a 4-Band Parametric EQ, and two Dynamic sections.

Dynamics 1 is by default a Single Band Compressor, but up to four Multiband compressors can also be assigned to any of the channels or busses on the console. To make everything nice and easy, you can work with each individual band, or all three at the same time; and the cherry on top is S-Series' Tube Emulation, four instances of which can be assigned to any four processing paths.

With Dynamics 2, the user can select between a keyed gate, a ducker, or another Single Band Compressor, but this time with a sidechain input. Both Dynamics show an RTA meter, allowing the user to visually determine the best parameters for the instrument selected.

Console Layout

Due to the complexities and layers within digital consoles today, it's crucial for any engineer to be able to assign banks, channels, and busses to wherever they feel most comfortable. With this in mind, DiGiCo has made it possible to assign any strip or bank anywhere on S-Series, taking full advantage of the multiple touch-screens for quick and simple customisation.

Set Master Layout

For engineers that prefer a more traditional workflow with a fixed master screen area, there is a Set Master function, where you can assign a specific bank to the right hand screen: a FOH engineer could lock the 10 Control Groups (DiGiCo's equivalent to a VCA) to the right hand bank of faders, for example.
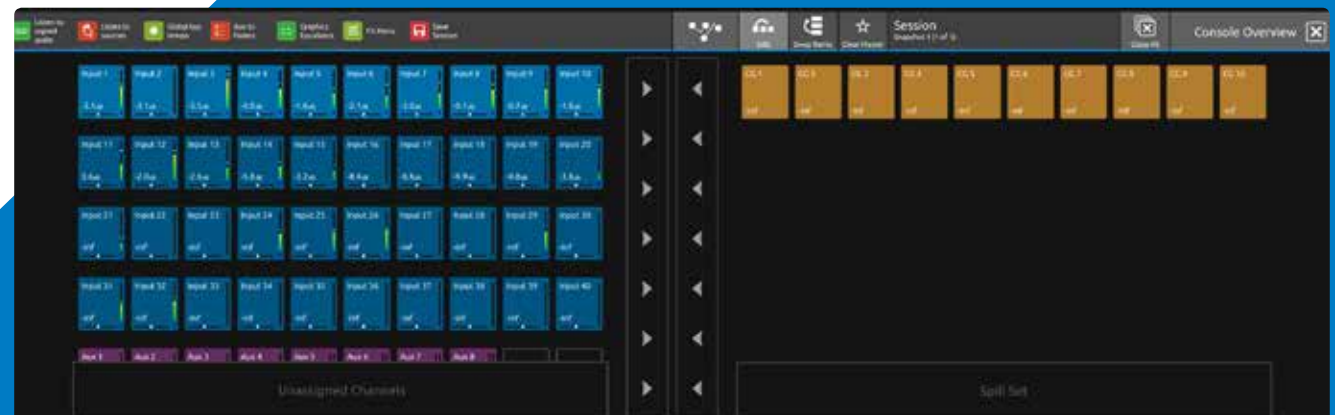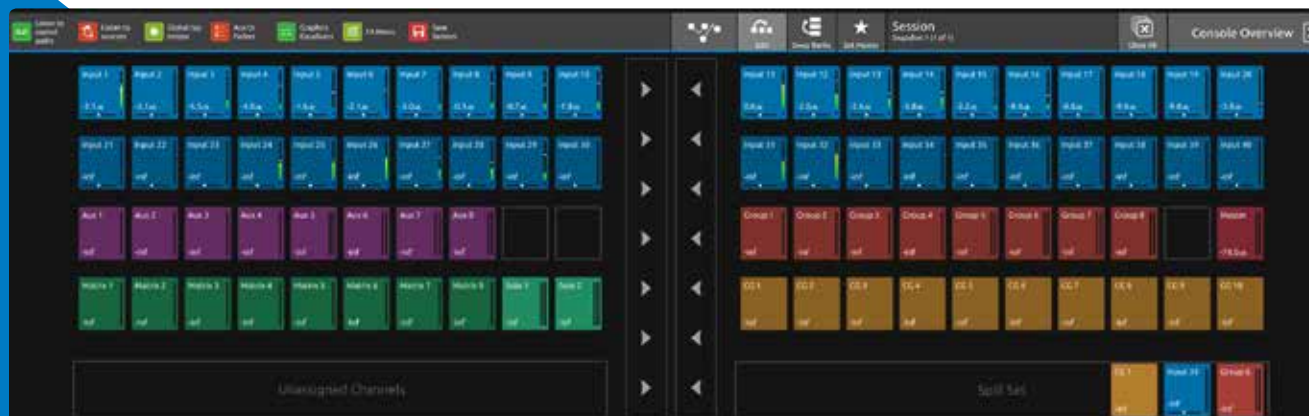
Spill Set

So what if you need a specific type of layout, but only intermittently? Enter Spill Set, which allows up to 10 channels and/or busses to be assigned to a specific button that recalls them to the surface when selected. These are locked into position regardless of which fader bank layer is selected, which is great for bringing the lead vocal plus FX returns to the surface quickly, or to handle a big guitar solo, for instance.

Graphic EQ

As well as the on-board EQ & Dynamics, the S-Series has 16 x 32-band Graphic EQs, all of which can be inserted across any processing path at any time.


S31 Screen

Channel Setup

The Channel Setup page is a convenient page that provides a quick overview of every function on a channel strip, where the graphical interface clearly shows the signal path through the channel, ideal for users who are new to digital consoles. All the key channel parameters are just one touch away and this one page provides the ability to access all routing (which includes the popular 'Ripple Route' feature inherited from the SD-Series consoles) and channel processing. In addition, Copying parameters from one channel to another and Ganging (linking) channels together are possible from here as well.
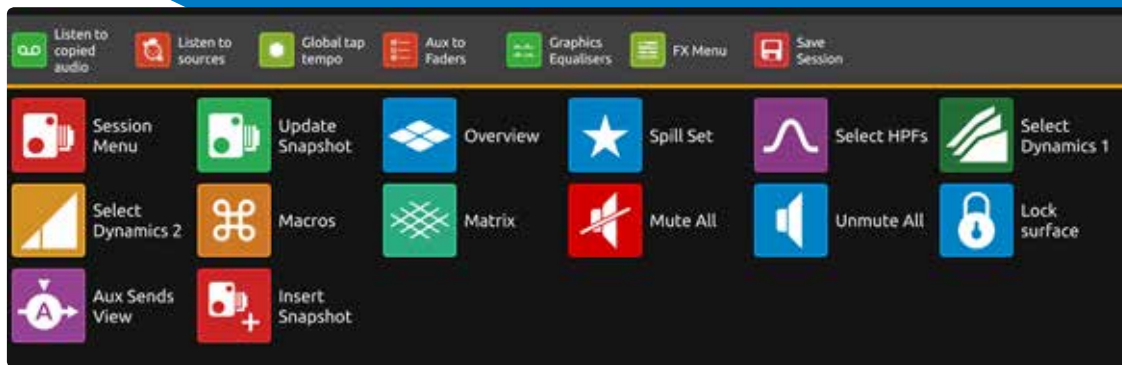
Snapshots

Snapshots have always been a major part of DiGiCo's design, and allow total recall of every parameter of the console. Most users won't want this for all parameters, of course, so the Global Recall Scope function lets you decide which ones to recall. Furthermore, the Recall Safe function offers even more manipulation. You can even switch inputs from mono to stereo using Snapshots, which is a first for DiGiCo, and ideal for festival situations, where multiple bands are playing.
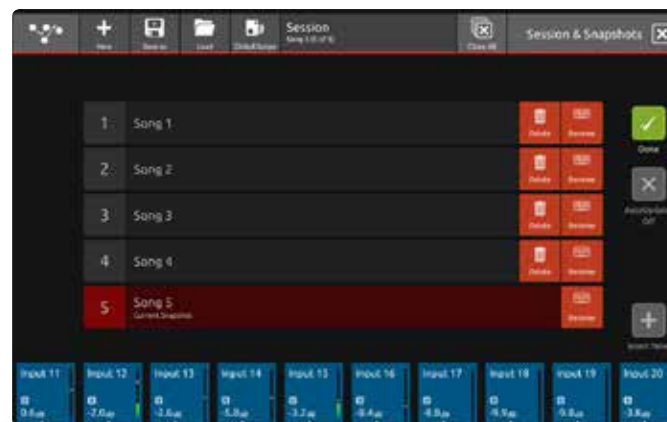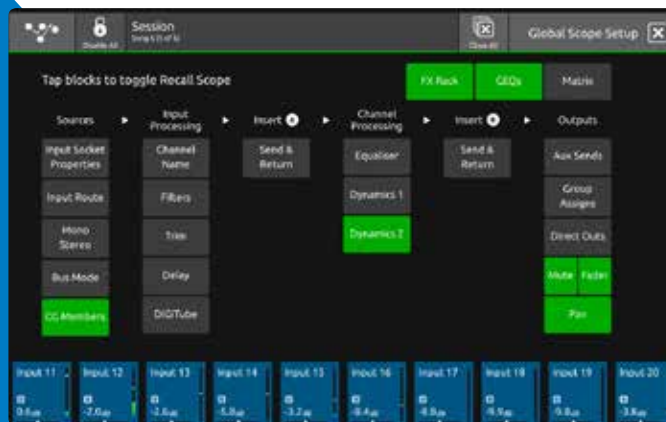
Matrix

DiGiCo's ethos has always been, 'if you require a feature set, it should be available at all times', and to back that up, S-Series comes complete with a 10 input x 8 output Matrix with full processing (in addition to any Channels, Busses and Master). And it's really a mixer within a mixer, as the inputs can come from anywhere - internal or external. It's even possible for monitor engineers to bring the output of the Solo Buss into the monitor matrix, which has proven very popular with users of DiGiCo's SD range.

Macros

DiGiCo appreciates that many engineers require quick access to key functions, and that's why a set of factory Macro buttons were created. For example;

- ✔ Session
- ✔ FX menu
- ✔ Listen to copied audio or sources (Virtual Soundcheck)
- ✔ Update Snapshot
- ✔ Graphic EQs
- ✔ Aux Sends view (instant access to monitor mix)
- ✔ Control Group Mutes

FX

From the get-go, a palette of assignable effects have been available on all DiGiCo consoles, originally using DSP, and now utilising the power of Stealth Digital Processing™ with FPGA. It just sounds better. With the S-Series, there are eight FX slots that have access to a wide selection of Reverbs (with on board RTA), Enhancers, and Delays. And these Delays don't just have individual tap tempo, they have global! This means an engineer can set the global tempo by touching a touch-sensitive rotary and the associated LED ring will flash the tap speed.
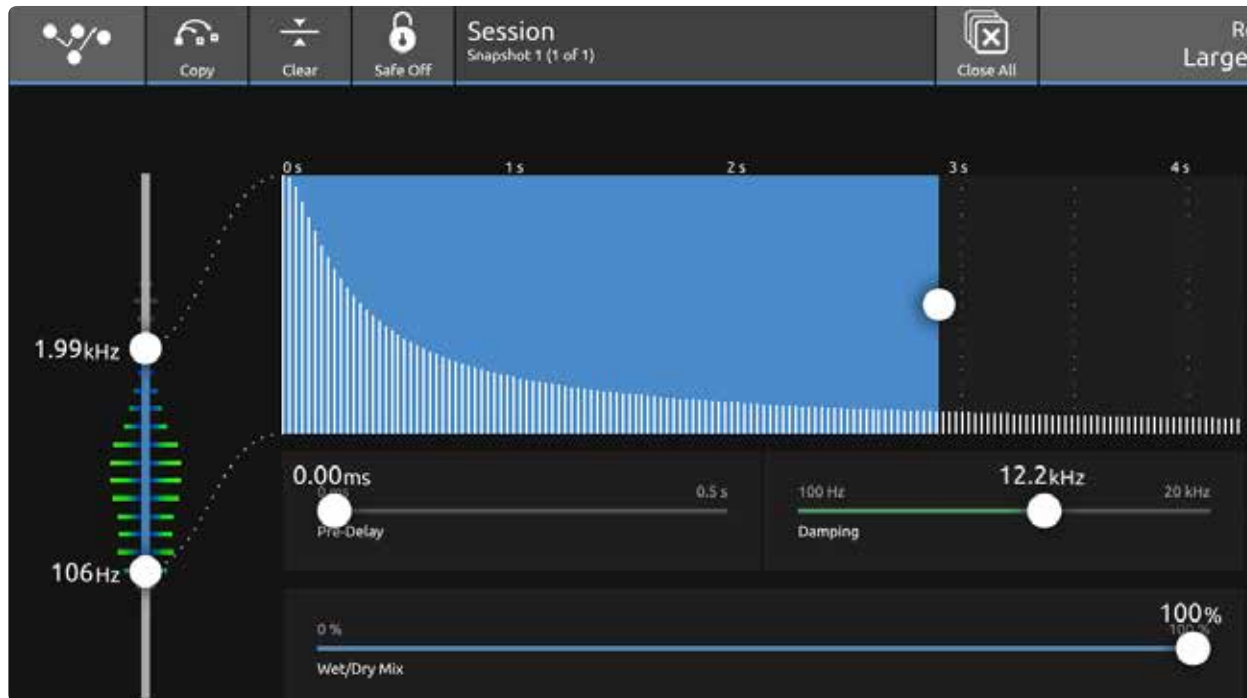
Gain Tracking™

In a complete house-and-monitor DiGiCo system, Gain Tracking™, a world first for DiGiCo, allows the console operator to change any input gain without affecting the sound balance on either console - Gain Tracking™ is selectable on each channel independently on each console.

DMI-MADI-BNC

D2 Rack
2 MADI Ports, available either as BNC or CAT5E connections

DMI-MADI-BNC

Front of House Console
DMI Card required - either BNC or CAT5E connections

Monitor Console
DMI Card required - either BNC or CAT5E connections

Analogue Gain Control
When pushed becomes a digital trim

Gain Tracking™

Is switchable on a channel by channel basis and is shown by a green icon on the channel strip

Sharing a stage rack between two consoles has a number of benefits but there is one potential issue in that any mic preamp adjustments made from one console could change the mix balance on the other. This is where DiGiCo's Gain Tracking™ technology comes into its own.

Gain Tracking™ uses a console's digital trim to automatically compensate for any mic preamp gain changes made by the other console.

In the example above, the Monitor desk has Full Control of the D2-Rack (ie control of the mic preamp gains and access to all the rack outputs) whilst the FOH desk receives a digital split of the inputs only.

Once the mic preamp gains have been set by the Monitor engineer, the FOH engineer then simply switches on Gain Tracking™ on all channels where there are shared Inputs.

In the example to the left, the monitor engineer has increased the mic preamp gain on Input 1 by 8dB – see how the Gain Tracking™ function on the FOH desk has compensated for this increase in level by automatically decreasing the digital trim by 8dB.

Waves SoundGrid

Using the Waves DMI card, you can connect to an external server/computer to uncover a plethora of Waves SoundGrid Plugins via Multirack.

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

SSL-G Channel   Vocal Rider   Waves MultiRack   C4 Multiband   CLA-2A   Renaissance Equalizer
                                                 Compressor

USB

Multi-Touch Screens

HTL (RGB)

100mm Faders

Integral Light Bar

Hidden Til Lit (RGB) Touch sensitive encoders with integral switches

24 Segment Master Meters

Headphone Level

Snapshot

Master Fader

Set Spill   Overview   Fader Bank Assign   Headphones 3.5mm + 1/4" Sockets

UB MADI

DMI Slot

Local I/O

DVI Out   Ethernet   GPI/ GPO   AES I/O   DMI Slot

USB   WORD CLOCK
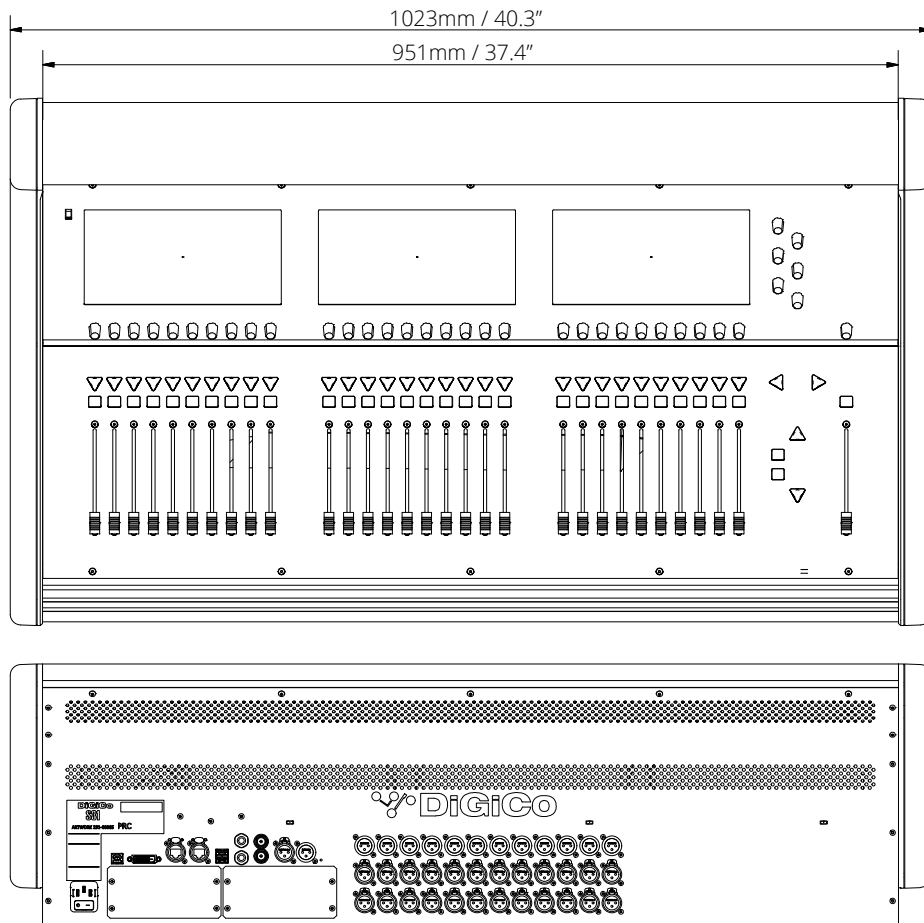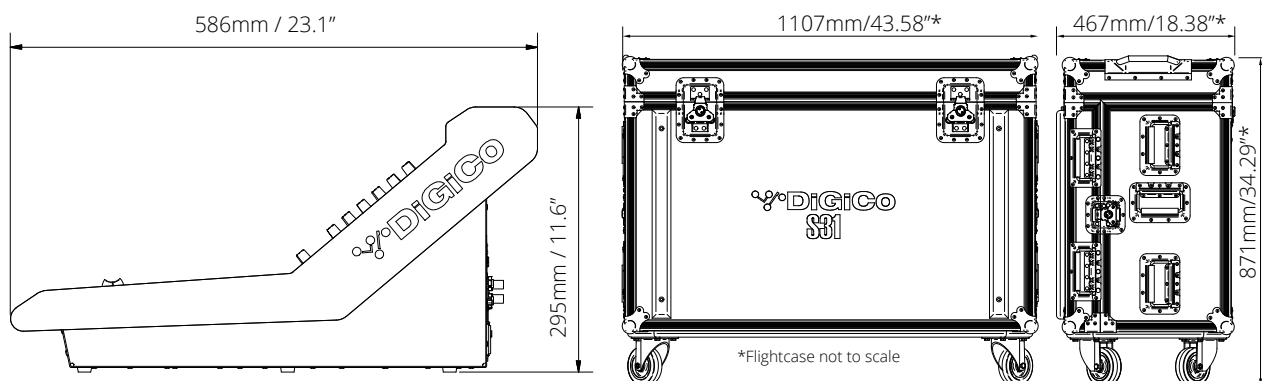
S31 Specification

- ✔ 48 x Input flex-channels Mono/Stereo (equivalent of 80 DSP channels)
- ✔ 46 busses: 16 x flexi-busses Mono/Stereo (equivalent of 32 DSP busses), Stereo Master (2), Solo busses (2 stereo, 4 total), and 10 x 8 Matrix (8)
- ✔ 10 x Control Groups
- ✔ 1 x Compressor per channel and buss
- ✔ 1 x Gate per channel and buss (switchable to ducker, or compressor with side chain access)
- ✔ 16 x assignable 32 band Graphic EQs
- ✔ 8 x FX engines (reverbs, delays, w/modulation and enhancer)
- ✔ 4 x assignable DiGiTuBes
- ✔ 4 x assignable Multiband Comps
- ✔ User definable Macros
- ✔ An extremely high power headphone amplifier with 1/4 inch and mini jack socket
- ✔ 96kHz as standard
- ✔ 24 mic line inputs
- ✔ 12 analogue outs
- ✔ 2 AES I/O (mono)
- ✔ Word Clock I/O
- ✔ 1 GPI and 1 GPO
- ✔ DVI out (for an external monitor)
- ✔ 2 DMI Card slots (up to 64 I/O per slot)
- ✔ 2 Ethernet connections for Networking
- ✔ 2 x 24 segment master/solo meters
- ✔ Touch sensitive rotaries with integrated switch & HTL
- ✔ 3 x multi-touch screens
- ✔ 31 x touch sensitive moving faders
- ✔ 4 x layers of banks of 10 faders
- ✔ Customisable bank and channel layout
- ✔ Snapshots
- ✔ Integrated USB2 Audio I/O interface for recording and playback of up to 48 channels

*Flightcase not to scale

Dimensions
W 1023mm x D 586mm x H 295mm, 40.3" x 23.1" x 11.6"
Weight 25kg/55.11lb

Dimensions inc Flightcase
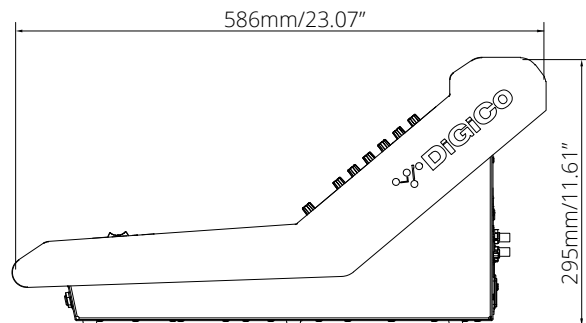W 1107mm x H 871mm x D 467mm, 43.58" x 34.29" x 18.38"
Weight inc Flightcase 78kg/172lb

Dimensions inc Cardboard Box
W 1160mm x D 750mm x H 460mm, 45.66" x 29.52" x 18.11"
Weight 35kg/77.16lb

Integral Light Bar

USB

Hidden Til Lit (RGB) Touch sensitive encoders with integral switches

Multi-Touch Screens

24 SegmentMaster Meters

HTL (RGB)

Headphone Level

Snapshot

Master Fader

Headphones 3.5mm + 1/4" Sockets

100mm Faders

Set Spill

Fader Bank Assign

Overview

DMI Slot

DVI Out

USB

AES I/O

DMI Slot

Local I/O

UB MADI

Ethernet

GPI/GPO

WORD CLOCK

S21 Specification

- 48 x Input flex-channels Mono/Stereo (equivalent of 80 DSP channels)
- 46 busses: 16 x flexi-busses Mono/Stereo (equivalent of 32 DSP busses), Stereo Master (2), Solo busses (2 stereo, 4 total), and 10 x 8 Matrix (8)
- 10 x Control Groups
- 1 x Compressor per channel and buss
- 1 x Gate per channel and buss (switchable to ducker, or compressor with side chain access)
- 16 x assignable 32 band Graphic EQs
- 8 x FX engines (reverbs, delays, w/modulation and enhancer)
- 4 x assignable DiGiTuBes
- 4 x assignable Multiband Comps
- User definable Macros
- An extremely high power headphone amplifier with 1/4 inch and mini jack socket
- 96kHz as standard
- 24 mic line inputs
- 12 analogue outs
- 2 AES I/O (mono)
- Word Clock I/O
- 1 GPI and 1 GPO
- DVI out (for an external monitor)
- 2 DMI Card slots (up to 64 I/O per slot)
- 2 Ethernet connections for Networking
- 2 x 24 segment master/solo meters
- Touch sensitive rotaries with integrated switch & HTL
- 2 x multi-touch screens
- 21 x touch sensitive moving faders
- 4 x layers of banks of 10 faders
- Customisable bank and channel layout
- Snapshots
- Integrated USB2 Audio I/O interface for recording and playback of up to 48 channels

763mm/30.03"

763mm/30.03"

586mm/23.07"

295mm/11.61"

846mm/33.30"*   467mm/18.38"*

866mm/34.09"*

*Flightcase not to scale

Dimensions
W 763mm x D 586mm x H 295mm, 30.03" x 23.07" x 11.61"
Weight 19kg/41.88lb

Dimensions inc Flightcase
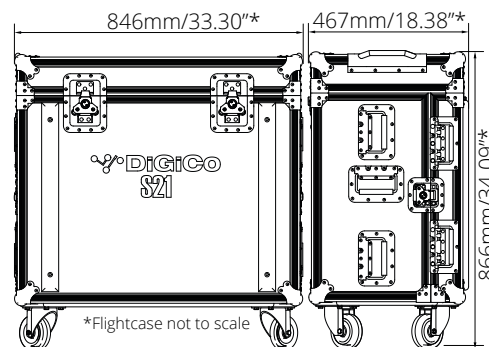W 846mm x H 866mm x D 467mm, 33.3" x 34.09" x 18.38"
Weight inc Flightcase 65kg/143lb

Dimensions inc Cardboard Box
W 900mm x D 750mm x H 450mm, 35.43" x 29.52" x 17.71"
Weight 27kg/59.52lb

DMI Cards

The S-Series comes complete with dual DMI (DiGiCo Multichannel Interface) option card slots, perfect for expandability, as it can interface with industry formats be it Analogue expansion, MADI, Dante, Waves, or Calrec's Hydra 2 Network. All bases are covered.

DMI-MADI-B
This card can be used to connect a Standard MADI stream (64 channels in and out) at 48KHz or 96KHz or an SD-Series DiGiCo Rack with the appropriate connector (D-Rack, D2-Rack, SD-Rack, SD-MiNiRack)

DMI-MADI-C
This card can be used to connect a Standard MADI stream (64 channels in and out) at 48KHz or 96KHz or an SD-Series DiGiCo Rack with the appropriate connector (D-Rack, D2-Rack, SD-Rack, SD-MiNiRack)

DMI-DANTE
This card provides 64 input and 64 output channels at 48KHz and 32 input and 32 output channels at 96KHz. It is provided with Primary and Secondary (backup) Gigabit Ethernet ports for connection to the Dante network.

DMI-ADC
This card provides 16 analogue inputs on 2 x 25 way "D" connectors. The ADC card is a line card only. There is no microphone amplifier or phantom power available. S-Series has no gain control function for these inputs (only digital trim). Maximum input level +22dBu

DMI-HYDRA 2
This card will provide 56 Input and 56 output channels at 48kHz with Primary and Secondary (backup) optical connections.

DMI-DAC
This card provides 16 analogue outputs on 2 x 25 way "D" connectors
DAC card is line level only. Maximum output level +22dBu (Digital Full Scale)

DMI-AVIOM
This card provides 16 output channels at 48kHz (with SRC) and Supports Aviom's proprietry A-Net Pro16 protocol. It has 1 CAT5E connection and faceplate DIP switched for Stereo output selection.

DMI-AES
This card provides 16 Inputs (8 pairs) and 16 outputs (8 pairs) on 2 x 25 way "D" connectors. All AES inputs are provided with sample rate conversion (SRC) by default. All AES outputs are synchronised to the mixer system clock.

DMI-WAVES
This card will provide 64 input and 64 output channels at 48kHz or 96kHz to the SoundGrid™ Network with 2 CAT5E connections.

Systems

S-Series Rack Systems

There are many packages and rack systems available for the S21. Whether it be for Theatre, Concert Sound or HOW, with CAT5E or BNC connections, there will be a specific system and price to suit any need. Please contact your local distributor or dealer for more information.

Optional Extra Output Cards for D2-Rack
✔ Analogue
✔ Digital
✔ Aviom

Optional Extra Output Cards for D-Rack
✔ Analogue
✔ Digital
✔ Aviom

D-Rack

The D-Rack comes complete with CAT5E audio as standard, or, with optional optical connection, and can run sample rates up to 96kHz. Additionally, the D-Rack will now also support the Aviom interface and provides 32 inputs and 8 outputs as standard, with the option of eight modular outputs that can either run AES or analogue. This small, flexible rack is designed to sit on the floor, but can just easily be rack mounted using the optional ears (7U).

D2-Rack

The D2-Rack is the latest addition to the range of high sample rate racks. The compact 9U D2-Rack has a fixed format 48 inputs with 16 outputs fitted as standard. The output count can be increased to 32 by populating the 2 spare output slots with one or more of the 3 option modules – Line out or AES out or Aviom.

The 48 inputs can be specified as either 48 mic in or 24 mic/24 AES in.
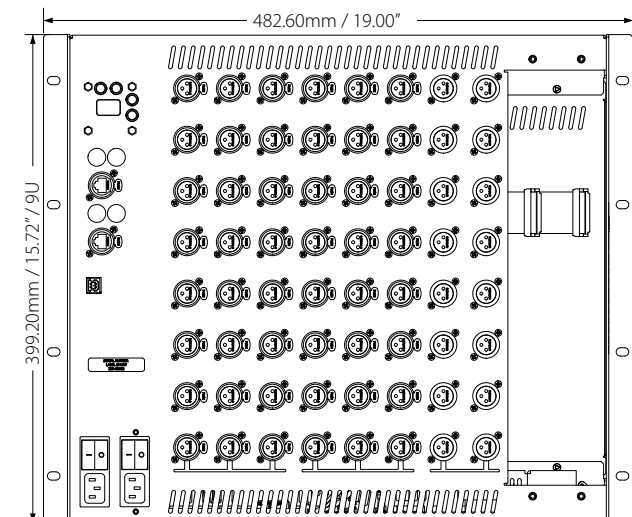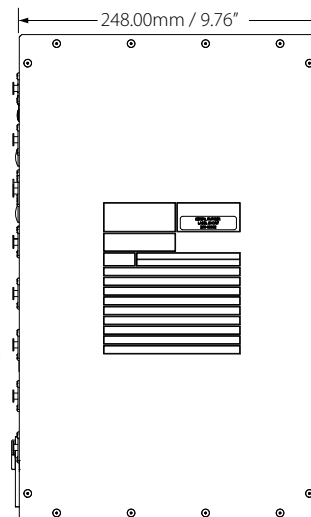
As standard, there are 2 MADI Ports, available either as BNC or DiGiCo CAT5E. These ports allow rack sharing between any 2 consoles or digital splits for recording. When running at 96kHz, these 2 ports combine to create a single high definition 96kHz MADI connection with no reduction in IO.

The D2-Rack has dual redundant power supplies as standard with LED indicators on the front panel.

The SD-Rack Style menu system allows for customised rack settings and the control and activation of the D2-Rack's internal oscillator.

Optional Aviom, AES and or Analogue Ouput cards

145.0mm/5.71"

482.6mm/19.01"
412.0mm/16.23"

310.0 mm/12.21"

7U

179.0mm/7.05"

248.00mm / 9.76"

482.60mm / 19.00"

399.20mm / 15.72" / 9U

E&OE
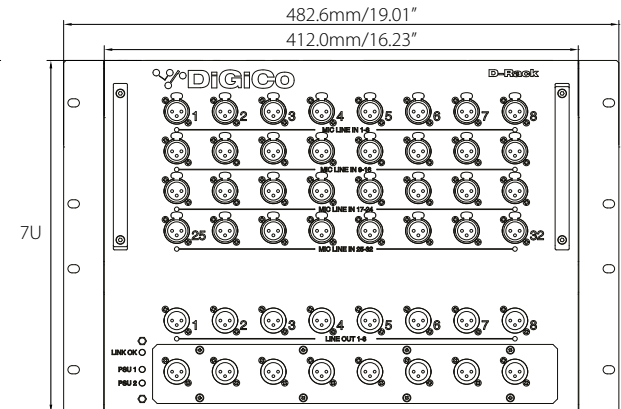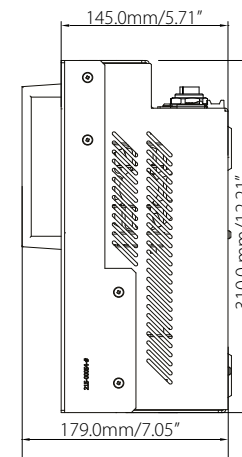
Audio

Sample Rate	48kHz, 96kHz
Processing Delay	2ms Typical @ 48k (60 Stereo Channels, Stage Input Through L-R Buss to Stage Output) 1.1ms @ 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
Max Output Level	+22dBu
Max Input Level	+22dBu

Processing Channel Specification

Input

Name	User-Defined
Channel Selection	Mono / Stereo
Input Routing	Main Input
Analogue Gain	-20 to +60dB
Phase	Normal / Reverse
Digital Trim	40 to +40dB
Delay	0 - 682ms
DiGiTuBe	Drive 0.01 - 50.0 Bias 0 - 6
LPF	20 – 20kHz, 24dB/Oct
HPF	20 – 20kHz, 24dB/Oct
Insert A	(Pre EQ/Dyn) On/Off
Equalisation	4 Band EQ: Parametric or Dynamic (Low/Lowshelf, Lower-Mid/Lowshelf, Upper-Mid/ Hishelf, Hi/Hishelf) On/Off Freq; 20 – 20kHz Gain; +/- 18dB Q: 0.1 -20 (Parametric) / 0.10-0.90 (Shelf)
Dynamics 1	Single or 4 x Multiband (3-Band)
Compressor	On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 5ms – 5s Ratio; 1:1 – 50:1 Gain; 0 to +40dB Hi Crossover; 20Hz – 20kHz Lo Crossover; 20Hz – 20kHz Knee : Hard, Med, Soft
Dynamics 2	On/Off
Gate / Ducker	Threshold; -60 – 0dB Attack; 50us – 100ms Hold; 2ms – 2s Release; 5ms – 5s Range; 0 - 90dB Key; Any Source Key Listen Freq/Width; 20 – 20kHz
Compressor	On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 5ms – 5s Ratio; 1:1 – 50:1 Gain; 0 to +40dB Link; Any Channel / Buss S/C Source : Any Source S/C Listen : On/Off S/C Filter Freq/Width: 20Hz – 20kHz
Insert B	(Post EQ/Dyn) On/Off
Mute	Channel Mute
Solo	Solo Buss 1 / Solo Buss 2 / Both,
Channel Safe	Socket Properties, Input Route, Mono/Stereo, Label, Filters, Trim, Delay, Tube, Insert A, EQ, Dyn1, Dyn2, Insert B, Aux, Group Assigns, Pan, Fade, Mute, Direct Outs, Full Safe
Output Routing	Buss, Insert A, Insert B, Direct: Post-Fade
Fader	100mm Motorised Fader ∞ to +10dB

Processing Channel Specification

Aux / Group / Matrix Output

Name	User-Defined
Phase	Normal / Reverse
Digital Trim	-40 to +40dB
Delay	0 - 682ms
DiGiTuBe	Drive 0.01 - 50.0 Bias 0 - 6
LPF	20 – 20kHz, 24dB / Oct
HPF	20 – 20kHz, 24dB / Oct
Insert A	(Pre EQ/Dyn) On/Off
Equalisation	4 Band EQ: Parametric or Dynamic (Low/Lowshelf, Lower-Mid/Lowshelf, Upper-Mid/Hishelf, Hi/Hishelf) On/Off Freq; 20 – 20kHz Gain; +/- 18dB Q: 0.1 -20 (Parametric) / 0.10-0.90 (Shelf)
Dynamics 1	Single or 4 x Multiband (3-band)
Compressor	On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 5ms – 5s Ratio; 1:1 – 50:1 Gain; 0 to +40dB Hi Crossover; 20Hz – 20kHz Lo Crossover; 20Hz – 20kHz Knee : Hard, Med, Soft
Dynamics 2	On/Off
Gate / Ducker	Threshold; -60 – 0dB Attack; 50us – 100ms Hold; 2ms – 2s Release; 5ms – 5s Range; 0 - 90dB Key; Any Source Key Listen Freq/Width; 20 – 20kHz
Compressor	On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 5ms – 5s Ratio; 1:1 – 50:1 Gain; 0 to +40dB Link; Any Channel/Buss S/C Source : Any source S/C Listen : On/Off S/C Filter Freq/Width: 20Hz – 20kHz
Insert B	(Post EQ/Dyn) On/Off
Mute	Channel Mute
Solo	Solo Buss 1 / Solo Buss 2 / Both,
Channel Safe	Mono/Stereo, Bus Mode, Label, Filters, Trim, Delay, Tube, Insert A, EQ, Dyn1, Dyn2, Insert B, Group Assigns, Fade, Mute, Direct Outs, Full Safe
Output Routing	Outputs, Insert A, Insert B
Fader	100mm Motorised Fader ∞ to + 10dB

Company Profile

The Ultimate in Digital Consoles

Concert Sound

DiGiCo's digital evolution really began with the release of the D5 Live – a breakthrough console that turned the pro-audio world on its head, and raised eyebrows across the industry. A super-powerful and slick piece of kit, with a massive feature set, which would set the standard for years to come.

Fast-forward 5 years, and the first of the SD Series was born – another real trend setter, combining a quick and intuitive user interface, and sonic capabilities that are still yet to be beaten. Each console in the range retains that classic analogue feel, with the ultimate in digital

Broadcast

processing.

The SD Series raised the bar in many ways: not only in terms of power and flexibility, but creativity; never before had engineers experienced Super FPGA technology, which allowed for massive I/O capabilities, and the ultimate dynamic toolbox, easily accessible at the press of a button or via the touch screen.

From the rackmount SD11, all the way up to the flagship SD7, and everything in between, there is an SD console suited to every possible audio

Permanent Install

application - and they all pack a similar punch. Be it a bar or club gig, a stadium world tour, or a massive broadcast event such as The Grammys or The Oscars, the SD Series is so often the go-to.

In 2015, DiGiCo launched the S-Series: S21 and S31, which brought serious power in a super-small package; and in 2016, Stealth Core 2 software multiplied the power of the SD Range.

Now, in 2017, DiGiCo has released the SD12; it's a small footprint, powerful,

Houses of Worship

and highly advanced console, with all the functionality and processing power you'd expect from an SD console, but at an unbelievable pricepoint. Suited to any application, from live touring to broadcast, it brings industry firsts, as well as dual 15-inch touchscreens,

Musical Theatre

that familiar DiGiCo workflow, and advanced connectivity. As always, DiGiCo looks into the future to keep all users one step ahead.

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