



INNOVATIVE  
DIGITAL MIXING CONSOLE

SOUNDKING **DX32** SERIES



British high-end mixing console  
brand founded in **1968**



Known as the Rolls Royce in the international professional audio field,  
He has left behind classic sounds in both recording production  
and live sound reinforcement,  
Create a legend that is difficult to surpass.

**INNOVATIVE DIGITAL MIXING CONSOLE SOUNDKING DX32 SERIES**  
inherit the outstanding gene of Cadac, and have achieved  
a digital technological leap in many aspects such as  
Cadac's classic voice amplification and signal link.  
Integrating the precision technology of Cadac digital DSP  
and the wide dynamic and low bottom noise voice  
amplification technology, they have inherited the  
outstanding gene from the analog J-TYPE to the digital  
CM-J50, and are ceiling level products of the same grade  
of digital sound tuning stations with sound quality.

# DX32

Series

## DIGITAL MIXING CONSOLE

### Four specifications

**DX3232** 32 IN / 16 OUT

**DX3224** 24 IN / 8 OUT

**DX3216** 16 IN / 14 OUT

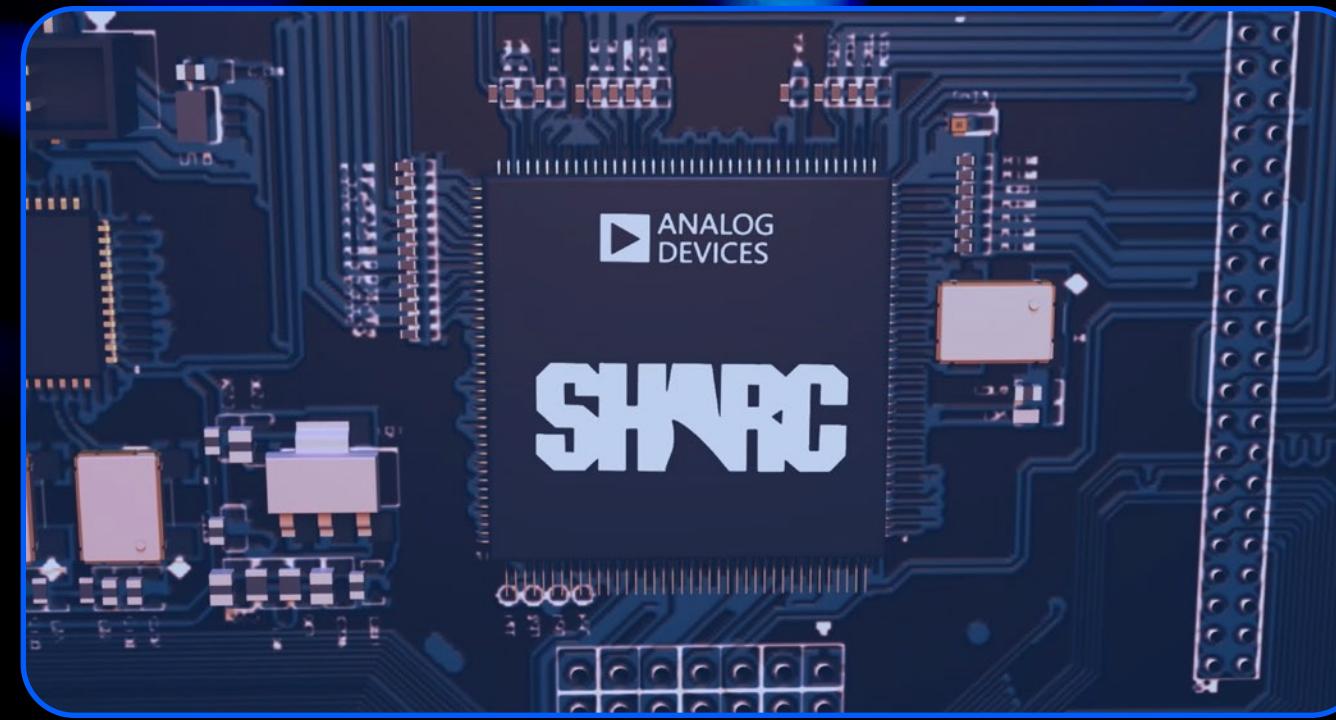
**DX3208** 8 IN / 8 OUT



### Application

Portable performance, conference and other fixed installation projects, recording, live broadcast, large digital network sound reinforcement system

# CORE PERFORMANCE



## Powerful processing and pure sound quality

Adopting a DSP core processor with a clock frequency of up to 1GHz, dual SHARC+cores, and a sampling rate of 96kHz, the DSP algorithm uses high-precision floating-point operations to ensure that the audio signal maintains extremely high clarity and dynamic range during processing. Equipped with high-quality microphone pre amplifier and AD/DA converter, providing clear and exquisite sound quality.



## Automatic delay management

It has a powerful automatic delay management system that can manage all internal routing and related processing delays, ensuring that all audio samples are synchronized before summation, thereby providing phase consistency at all output ends.



## Intuitive and efficient user interface

Equipped with a 13.3" high-resolution touchscreen display, providing clear visual effects, all parameters and settings are clear at a glance. The simple and intuitive graphical interface, combined with multi-functional physical knob and fader, can improve the operation efficiency while fine control, so that even novices can get started quickly.

## CORE PERFORMANCE



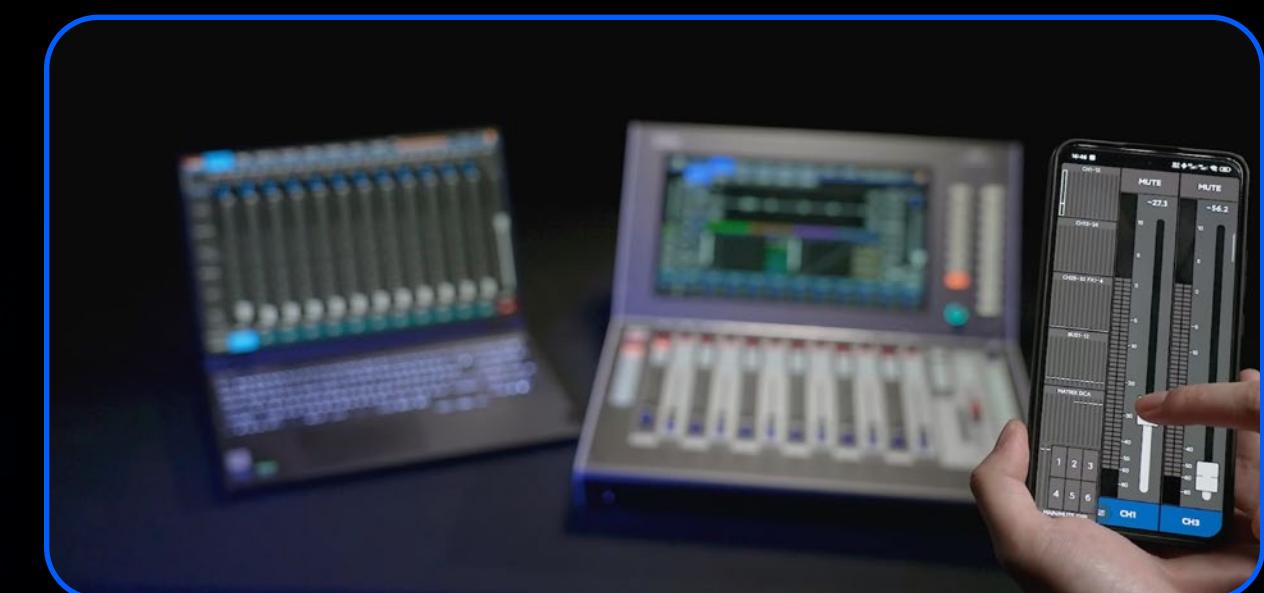
### Powerful FPGA routing processing capability

The flexible routing function provides audio engineers with great creative freedom and command ability. Whether it is live performance, studio production or broadcast application, it can meet complex audio processing requirements through its powerful routing function.



### Flexible construction of scene based audio system

By integrating the D-Link audio network protocol and digital stage box, end-to-end transmission functionality is achieved to enhance flexibility and availability.



### Flexible expansion and diversified application

Rich analog input/output capabilities, support dual/multi track recording, and improve processing capacity or I/O interface as required. It is a core apparatus suitable for multiple sound reinforcement purposes.

### Multi platform remote control

It supports remote control through HTML5 compatible browser without installing application software, realizing remote control with smooth and flexible operation.

# INNOVATION HIGHLIGHTS



13 100mm electric motor fader



Channel dual function knob



9 custom function keys



2 custom fader layers



Innovative design of backboard lighting LED lights



High quality speakers and AD/DA converters



Each channel is equipped with EQ/dynamic processors



12 way bus/4 way effector fast fader transmission key



6 DCA/mute marshalling



24 effector plug-ins

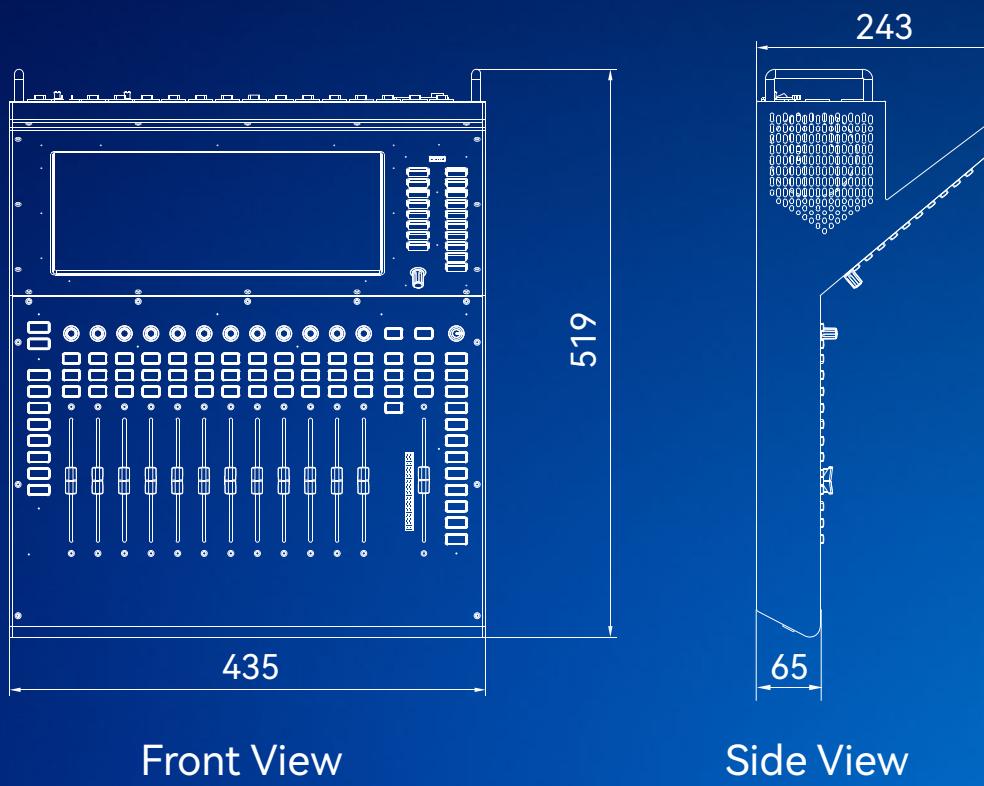


Built in media player/recorder



Sound and image movement is natural and realistic

# PRODUCT DETAILS



Size(L x W x H)

435 x 519 x 243mm

Front View

Side View

| Model                  | DX3232            | DX3224  | DX3216                                    | DX3208   |
|------------------------|-------------------|---|---|--|
| Max Input Channels     |                   |   |   | 32 x Mono  |
| FX Bus Channels        |                   |   |   | 4 x Stereo   |
| Bus Output Channels    |                   |   |   | 12 x Stereo  |
| Matrix Output Channels |                   |   |   | 6 x Stereo   |
| Main Output Channels   |                   |   |   | Configurable as: LCR or LR+Mono                    |
| Solo Monitor Channels  |                   |   |   | 1 x Stereo   |
| Solo Phones Channels   |                   |   |   | 1 x Stereo   |
| Automixer              |                   |   |   | Supports 2 groups, Max 32 ch custom                |
| Built-in FX Plugins    |                   |   |   | 24 x Stereo FX Slots (Delay, Reverb, Mod) (Custom) |
| Sample Rate            |                   |   |   | 96kHz / 48kHz                                      |
| Display                |                   |   |   | 13.3" Touchscreen                                  |
| Scene Memory           |                   |   |   | Yes  |
| Memory Bank            |                   |   |   | Yes  |
| Mute Group             |                   |   |   | 6  |
| DCA Group              |                   |   |   | 6  |
| USB Player             |                   |   |   | MP3 / WAV Playback                                 |
| Signal Routing         |                   |   |   | I/O Signal Routing                                 |
| User                   |                   |   |   | Custom: Ch Name, Color, Layer, Keys, Bus, FX       |
| Faders                 |                   |   |   | 13 x Faders  |
| Physical Knobs         |                   |   |   | 13 Knobs (Quick GAIN / PAN / BAL / Param)          |
| Custom Keys            |                   |   |   | 9 x Custom Keys                                    |
| Custom Layer           |                   |   |   | 2 x Custom Layers                                  |
| Local Microphone Input | 24 x XLR + 8Combo | 16 x XLR + 8Combo   | 16 x XLR                                  | 8 Combo  |
| Local Line Inputs      | /                 | /   | 2 x TRS (6.35mm) + 1 x TRS (3.5mm) Stereo | /  |
| Local Analog Outputs   | 16 x XLR          | 8 x XLR   | 14 x XLR                                  | 8 x XLR  |
| Phones Outputs         |                   |   | 1 x 6.35Jacks                             |  |
| Local Inputs-Digital   |                   |   | 1 x XLR AES / EBU                         |  |
| Local Outputs-Digital  |                   |   | 1 x XLR AES / EBU                         |  |
| Digital Stagebox       |                   | 2 x D-Link (lockable RJ45 connector supporting Digital Stage Box D3216 / D1608) |   |  |
| USB                    |                   |   | 3 x USB Type-A                            |  |
| LAN (Ethernet)         |                   |   | 1 x RJ-45 1000M                           |  |
| GPIO Control           |                   |   | RS485 Support                             |  |
| Expansion Slots        |                   | 1 Slot (USB1616 / AES1616 Compatible)   |   |  |
| Remote Control         |                   |   | Web Remote (Cross-Platform)               |  |
| 19" Rack Mount         |                   |   | Yes                                       |  |

## SELECT ACCESSORIES

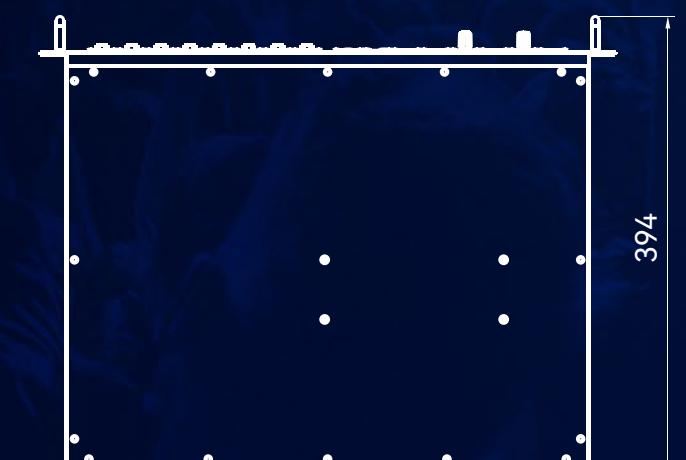


### Digital Stage Box

| Model            | D3216                       | D1608                       |
|------------------|-----------------------------|-----------------------------|
| Microphone input | 32XLR                       | 16XLR                       |
| Analog Output    | 16XLR                       | 8XLR                        |
| Phone output     | 1 x 6.35Jacks               | 1 x 6.35Jacks               |
| D-Link interface | 2 x lockable RJ45 connector | 2 x lockable RJ45 connector |
| USB              | 1 x USB Type-A              | 1 x USB Type-A              |
| Size(L x W x H)  | 483 x 394 x 176mm           | 483 x 394 x 88mm            |



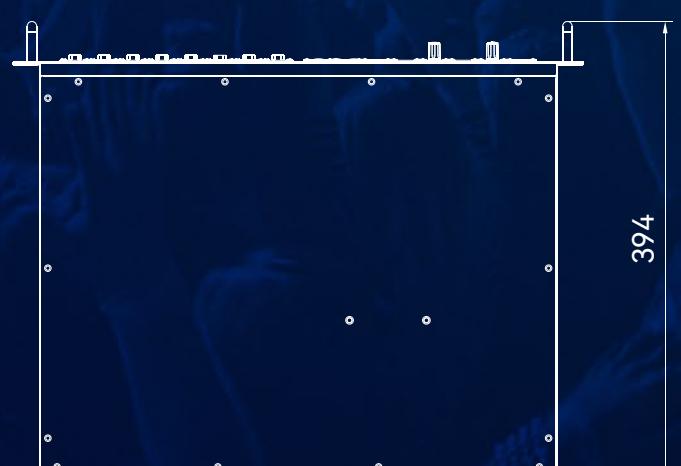
Front View



Top View



Front View



Top View

## SELECT ACCESSORIES

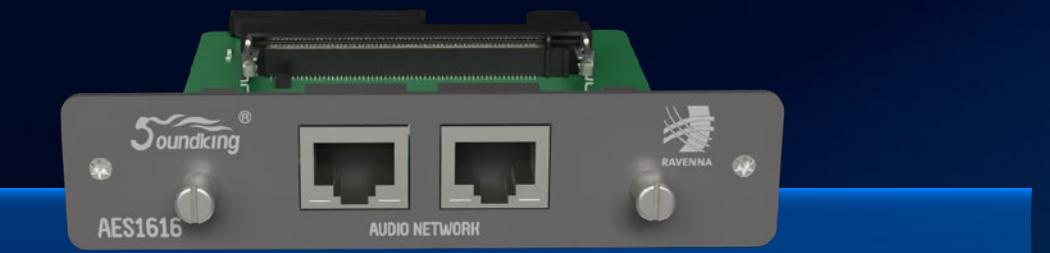


Customized  
Flight Case



USB Multitrack Recording Expansion Card  
**USB1616**

Directly connect DAW apparatus to realize two-way audio transmission, and provide 16 in/16 out professional multi track recording and playback



AES67 Network Transmission Expansion Card  
**AES1616**

Compatible with mainstream digital audio transmission protocols



# TOPOLOGY DIAGRAM



# C32 SERIES RACK MOUNTED DIGITAL MIXING CONSOLE

## Three specifications

**C3232** 32 IN / 16 OUT

**C3224** 24 IN / 8 OUT

**C3208** 8 IN / 8 OUT



### Mixing Ability

32 mono channels for input channels, 4 stereo channels for FX bus, 12 stereo channels for BUS bus, LCR or LR+M allocation for MAIN bus, 6 stereo channels for MTX bus, and 1 stereo bus channel for SOLO Monitor and SOLO Phones respectively.

### Auto-mixing

Gain sharing auto-mixing technology is adopted to provide transparent fade in and fade out effect to avoid sharp, intermittent sounds or changes in background noise. In a multi microphone environment, the transition of speakers is smooth and consistent.

### Multi Platform Command

It supports the simultaneous command of multiple apparatus through the network interface, and is compatible with mainstream operating systems such as iOS, Android, Windows, Mac OS and Linux. The efficient UI panel layout makes all important command elements easy to command, improves the operation efficiency, and makes the operation simple and understandable.

### Network Connection

Realize remote command, audio transmission and system interconnection through Ethernet or other network interfaces.

### Episodic Memory

Store and call different sound tuning scenes to facilitate fast switching between different performance or meeting scenes.

### Replay Recording

Supports USB expansion cards to meet the needs of background music playback and multi track recording.

### Effect Processing

Built-in 24 stereo effects slots (Delay, Reverb, Modulation) or external effects units enhance sound richness and spatial depth.

### Extension Module

It supports expansion card modules, and can transform expansion card modules with different functions to enhance compatibility with other digital apparatus.

### Channel Configuration

Including signal routing, phantom power, phaseGAIN、TRIM、DirectOut、Delay, high pass, low pass, equalizer/PEQ, gate compression, insert insertion, GEQ, AUTO auto-mixing, SENDS transmission, panningLINK、Mute, level meter, etc.

### Audio Networking

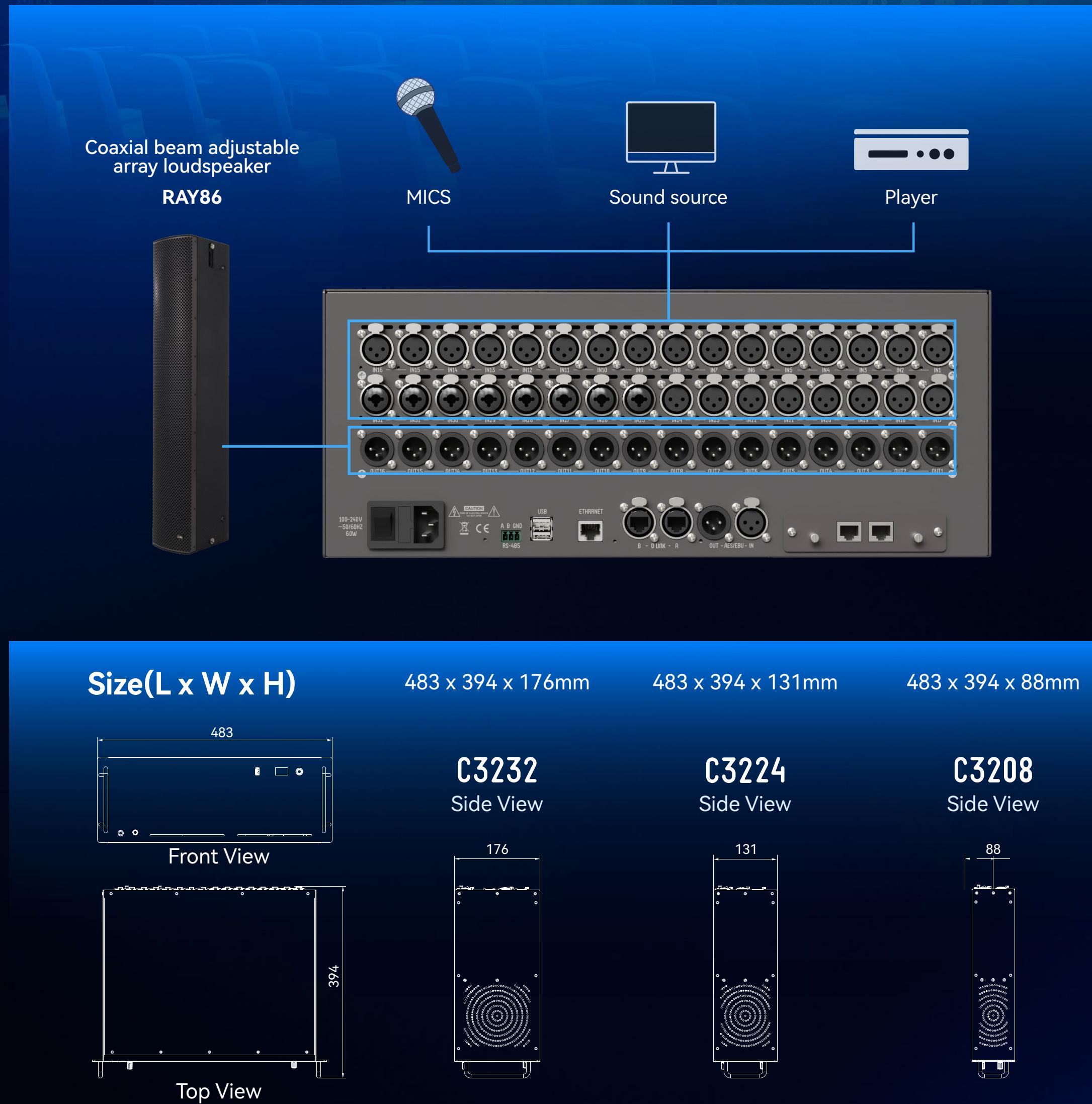
The D-Link port is compatible with the digital stage box D3216 / D1608.

### Application

Various fixed installation scenarios such as government and enterprise meetings, schools, hotels, shopping malls, etc.

# C32 SERIES

## RACK MOUNTED DIGITAL MIXING CONSOLE



### PRODUCT PARAMETERS

| Model                  | <b>C3232</b>  | <b>C3224</b>                          | <b>C3208</b> |
|------------------------|---|---------------------------------------|--------------|
| Max Input Channels     |   | 32 x Mono                             |              |
| FX Bus Channels        |   | 4 x Stereo                            |              |
| Bus Output Channels    |   | 12 x Stereo                           |              |
| Matrix Output Channels |   | 6 x Stereo                            |              |
| Main Output Channels   | Configurable: LCR / LR+Mono   |                                       |              |
| Solo Monitor Channels  |   | 1 x Stereo                            |              |
| Solo Phones Channels   |   | 1 x Stereo                            |              |
| Automixer              |   | Custom Groups: 2 (Max 32 ch)          |              |
| Built-in FX Plugins    |   | 24 x FX Slots (Delay / Reverb / Mod)  |              |
| Sample Rate            |   | 96kHz / 48kHz                         |              |
| Scene Memory           |   | Yes                                   |              |
| Memory Bank            |   | Yes                                   |              |
| Mute Group             |   | 6                                     |              |
| DCA Group              |   | 6                                     |              |
| USB Player             |   | MP3/WAV Playback                      |              |
| Signal Routing         |   | I/O Routing                           |              |
| User                   | Custom: Ch Name / Color / Layer / Keys / Bus / FX                               |                                       |              |
| GPIO                   |   | RS485 Support                         |              |
| Remote Ctrl            |   | Web Remote (Cross-Platform)           |              |
| 19" Rack               |   | Yes                                   |              |
| Local Microphone Input | 24 x XLR + 8 Combo  | 16 x XLR + 8 Combo                    | 8 Combo      |
| Local Analog Output    | 16 x XLR  | 8 x XLR                               | 8 x XLR      |
| Local Input-Digital    |   | 1 x XLR AES / EBU                     |              |
| Phones Output          |   | 1 x 6.35Jacks                         |              |
| Local Digital Output   |   | 1 x XLR AES / EBU                     |              |
| Digital Stagebox       | 2 x D-Link (lockable RJ45 connector supporting Digital Stage Box D3216 / D1608) |                                       |              |
| USB                    |   | 3 x USB Type-A                        |              |
| LAN (Ethernet)         |   | 1 x RJ-45 1000M                       |              |
| GPIO                   |   | RS485                                 |              |
| Expansion Slot         |   | 1 Slot (USB1616 / AES1616 Compatible) |              |



***Sound at Your Fingertips***

***Music Beyond the Summit***

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of Soundking**

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IOS



ANDROID

