D6644HD

16 Channel Digital Audio Processor with Echo Suppressor and Dante

Description

The D6644HD Digital Audio Processor is consistent with Dante interface is that for long distance transmission.

The device supports a maximum of 16 In &16 Out analog channel and 1 USB extended recording and broadcasting channel, high-quality 21-stage preamplifier circuit, DSP processing bus structure, built-in feedback eliminator, noise eliminator, echo eliminator and other functions to restore high-quality sound, mainly used in a variety of huge venues, such as theaters, concert halls, remote video conferences, stadiums, churches, conference centers, theme parks, etc. It can be divided into D6642HD (8 In & 8 Out) , D6643HD (12 In & 12 Out) and D6644HD (16 In & 16 Out) according to the number of physical input and output interfaces.

Features

- 16 channels analog audio input & output
- Comprehensive matrix mixing function, 24bit/48KHz sampling frequency, high performance A/D D/A converter and 32-bit floating point DSP processor.
- High-precision input sensitivity adjustment, with a total of 21 levels, 3dB/step and a maximum input gain of 51dB
- Effective algorithm processing: AFC, AEC, ANS, AUTOMIXER, EQ, GATE, AGC, etc.
- Rich interface expansion: support 8-channel custom input and output GPIO, the level supports external input 3.3~24V; USB interface supports recording and broadcasting function; RS-485 supports automatic camera tracking function, easy to realize video conference; RS-232 two-way serial control interface: can send or receive control, such as video matrix, camera and other equipment.
- Support multiple groups of scene presets, scene saving and many other functions, humanized operation software interface.
- Convenient webpage control: Built-in webpage control port, which can be quickly operated on Windows, Android, iOS and other platforms.
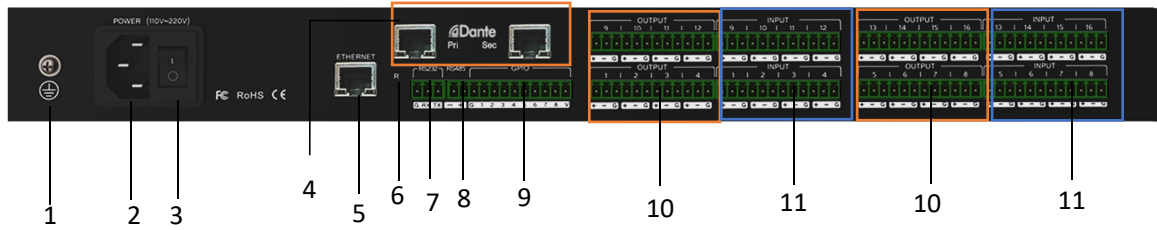
Specifications

Model	D6644HD
Max. Numbers of Inputs	16
Max. Numbers of Outputs	16
Number of RS232 Serial Ports	1
Number of RS485 Serial Ports	1
GPIO Quantity	8, Freely configurable inputs and outputs
RJ45 Quantity	1
USB Quantity	1, The recording and broadcasting is available
Max. Analog Gain	51dB
Phantom Power	48V
Input&Output Quantization	48KHz/24bit
A/D Dynamic Range	120dB
Input Common Mode Rejection	70dB @ 80Hz
Input Resistance	20kΩ balance, 10kΩ unbalance
Max. Input	18dBu
D/A Dynamic Range	120dB
Channel Isolation	100dB
Frequency Response	20～20kHz (±0.25dB)
Total Harmonic Distortion (THD+N)	≤0.003% @1kHz, +4dBu
Output Resistance	100 Ω balance, 50 unbalance
Max. Output	18dBu
Working Power	AC 110V/220V 50Hz/60Hz
Working Temperature	-10~70℃
Package Size（mm）	567×377×98
Product Size（mm）	483×270×44
Gross Weight	3.2kg
Net Weight	2.15kg

Front/Rear Panel

(1) PWR: Power indicator light, the device power supply is normal when the light is on, and the power supply of the device is abnormal when the light is off;

(2) SYS: status indicator light, the flashing light indicates that the equipment is operating normally, otherwise the equipment is faulty;

(3) USB: support recording and broadcasting function;

(1) Chassis Grounded Point

(2) POWER: 220VDC Power Input Interface

(3) Power Switch

(4) Dante：Used to connect to Dante digital audio network;

(5) ETHERNET：10M/100MEthernet interface, used to connect to the control terminal (PC, router, etc.);

(6) RESET：Restore factory settings, long press for 5 seconds is effective;

(7) RS232：Support central control commands and camera tracking, RX: receive data, TX: send data, G: ground;

(8) RS485：Support camera tracking;

(9) GPIO：GPIO control;

(10) OUTPUT：Analog output;

(11) INPUT：Analog input;