

D6642HD D6643HD D6644HD

8 / 12 / 16 Channel Digital Audio Processor with Echo Suppressor and Dante



Note: The picture use D6644HD as an example.

Description

The equipment support analog channel 16 and 1 USB extended recording channels, high-quality 21 pre amplification circuit, DSP processing bus structure, built in function of feedback canceller, noise canceller, the echo canceller etc., reducing quality sound, is mainly used in various kinds of large sites, can satisfy the application requirements of theatre, music hall, remote video conferencing, gymnasium, Chapel, conference centers, theme parks and other public sound reinforcement system etc. The operation is simple, intelligent control: According to the number of physical input and output interfaces, it can be divided into D6642HD (8 in and 8 out), D6643HD (12 in and 12 out) and D6644HD (16 in and 16 out) and other models.

Features

- 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.
- The control software specially developed for the IOS platform has been launched.

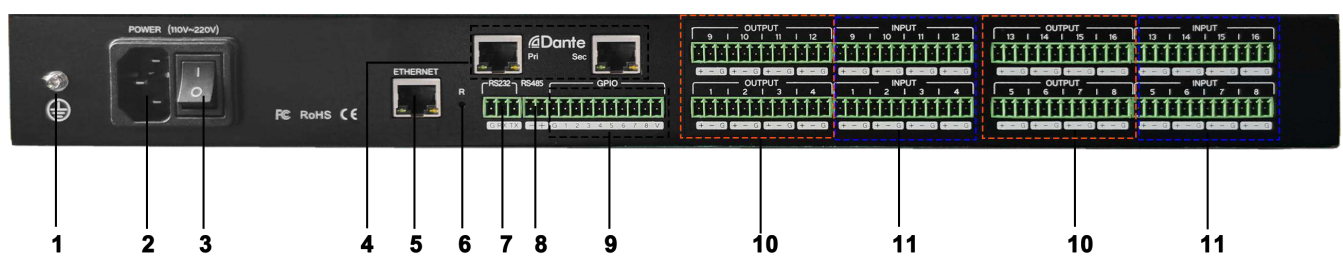
Specifications

Model	D6642HD	D6643HD	D6644HD
Max. Numbers of Inputs	8	12	16
Max. Numbers of Outputs	8	12	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	20k Ω balance, 10k Ω unbalance		
Max. Input		18dBu	
D/A Dynamic Range		120dB	
Channel Isolation		100dB	
Frequency Response	20~20kHz (± 0.25 dB)		
Total Harmonic Distortion (THD+N)	$\leq 0.003\%$ @1kHz, +4dBu		
Output Resistance	100 Ω balance, 50 unbalance		
Max. Output		18dBu	
Working Power	AC 110V/220V 50Hz/60Hz		
Working Temperature	-10~70 $^{\circ}$ C		
Package Size (mm)	567 \times 377 \times 98		
Product Size (mm)	483 \times 270 \times 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;



Note: Take the D6644HD as an example

- (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;