

OT6642HD

8 CHANNEL DIGITAL AUDIO PROCESSOR



DESCRIPTION

THE EQUIPMENT SUPPORT ANALOG CHANNEL 8 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.

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 5IDB
- 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

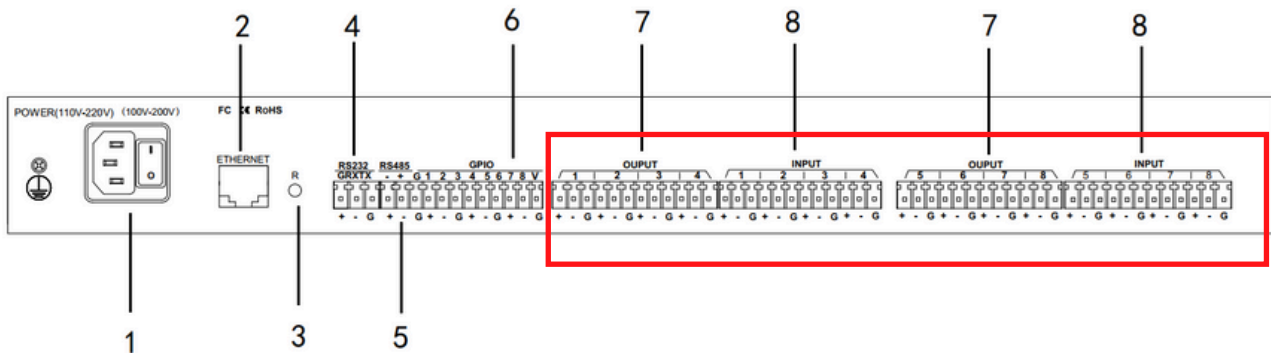
Model	OT6642HD
Frequency response	20 ~ 20kHz ($\pm 0.25\text{dB}$)
Input number	8
Output number	8
Number of RS232SerialPorts	1
GPIO Quantity	8, Freely configurable input and output
RJ45 Quantity	1
USB Quantity	1, Supports recording and broadcasting
The maximum analog gain	51dB
Phantom powered	48V
Input and output	48KHz/24bit
A/D Dynamic Range	120dB
Total harmonic distortion(THD+N)	$\leq 0.003\%$ @1kHz,+4dBu
Output impedance	100 Ω balance, 50 unbalance
Maximum output	18dBu
Working power supply	AC 110V/220V 50Hz/60Hz

FRONT / REAR PANEL



- (1) PWR: POWER INDICATOR. WHEN THE LIGHT IS ON, IT REPRESENTS THE POWER SUPPLY IS NORMAL. WHEN THE LIGHT OFF, IT REPRESENTS THE DEVICE POWER SUPPLY ABNORMAL;
- (2) SYS:STATUS INDICATOR. WHEN THE LIGHT IS FLASHING, IT REPRESENTS THE EQUIPMENT IS UNDER NORMAL OPERATION CONDITION, OTHERWISE THE EQUIPMENT IS FAILURE;
- (3) USB:SUPPORT RECORDING AND BROADCASTING FUNCTION;

D6642H Rear Panel



- (1) AVC220V: POWER PLUG, SUPPORT AC 100V ~ 240V POWER SUPPLY, 50 ~ 60HZ, AND SWITCH BUTTON.
- (2) ETHERNET: A NETWORK INTERFACE CONNECTED TO THE PC, ONLINE EDITING, SENDING AND RECEIVING CONTROL FOR COMMAND.
- (3) RSET: SYSTEM RESET BUTTON.
- (4) RS232: COMMUNICATION INTERFACE CONNECTING THE EXTERNAL CONTROL EQUIPMENT/SUPPORTING +CAMERA TRACKING.
- (5) RS485: SUPPORT CAMERA TRACKING.
- (6) GPIO: COMMAND RE-SENDING. REFER TO THE GPIO SETTINGS FOR THE SPECIFIC CONNECTION.
- (7) OUTPUT: ANALOG AUDIO OUTPUT INTERFACE.
- (8) INPUT: ANALOG AUDIO MIC \LINE INPUT INTERFACE.