D6641 Digital Audio Processor

Features

- 24 bit/ 48KHz sampling frequency, high-performance A / D, D / A converter and 32-bit floating-point DSP processor, full-function matrix mixing function to provide users with excellent and clear sound.
- High-precision input sensitivity adjustment with 21 levels, 3dB steps; the maximum input gain is 60dB.
- Efficient algorithm processing: AFC, AEC, ANS, AUTOMIXER, EQ, GATE, AGC and so on.
- Abundant interface extension: Input and output GPIO of 8 channels can be customized. Support external input level of 3.3 ~ 24V; USB interface supports recording and broadcasting, scene preservation and other functions. RS-485 supports automatic camera tracking, easy to achieve video conferencing; RS-232 two-way serial control interface, it can control or be controlled, such as video matrix, camera and other equipment.
- Support scene preset for multiple group, user-friendly operating software interface.
- Fast operation: web control mode, support Android, IOS system.
- Support 1 USB recording channel.

Description

The device maximally supports 4 input/output analog channels and 1 extended USB recording and broadcasting channel. It is equipped with high quality 21 level pre-amplifier circuit, DSP processing bus structure, and with multiple functions. It's mainly applied in a variety of large venues like theater, concert hall, remote video conferencing, sports venues, churches, conference centers, theme parks and so on. Its operation is simple and intelligent.

Specification

Input number	4
Output number	4
232 serial number	1
485 serial number	1
GPIO number	8,Freely configurable input and output
RJ45 number	1
USB number	1,Supports recording and broadcasting
The maximum analog gain	-60dB
Phantom powered	48V
Input and output	48KHz/24bit
A/D Dynamic Range	120dB
Input common mode rejection	80 dB @ +24dBu @60Hz
Input resistance	20kΩ balance，10kΩ unbalance
Maximum input	24dBu
D/A Dynamic Range	120dB
Channel isolation	100dB
Frequency response	20～20kHz (±0.25dB)
Total harmonic distortion(THD+N)	≤0.002% @1kHz，+4dBu
Output impedance	100 Ω balance，50 unbalance
Maximum output	24dBu
Working power supply	AC 90V~260V AC，50Hz /60Hz
Operating temperature	0~40℃