DSP
Audio Processor

DMX116

16x16 Digital Matrix Processor

Characteristic:

- High-speed processing DSP chip, the New generation of AFC algorithm to eliminate the feedback faster and make system more stable.
- Microphone preamplifier, compressor extension, Auto gain control, Ducker, AutoMixer, MatrixMixer,AGC, AFC, ANS, Crossover, Equalize PEQ, Limiter and Delay,signal generator, Provide a complete set of Audio process solution.
- 16-channel+48Vphantom power microphone/circuit input,16-channel circuit output; 8-channel external control input and 8-channel logic output.8 Channel GPIO for DMX116.
- Connection with GUIinterface directly through Ethernet, Easy and Efficient to set.
- Power off automatically save function, Open RS232RS485 Control Protocol, Receive the third-party control systems.

· Directly control the volume and call the scene through the wall panel or android phone APP.

Technical Specifications

Input Impedance	20kΩ(bal),10k2(unbal)
Output Impedance	3000(Bal),1500(unbal)
Maximum Input Level	20dBU@1kHz,THD+N≤1%,22kHz BW
Maximum Output Level	20dBU@1kHz,THD+N≤1%,22kHzBW
SNR	95DB@re+4dBu,22kHzBW,A-Weighted, ODB MIC Gain
	92DB@re+4dBu,22kHzBW,A-Weighted,36DB MIC Gain
DynamicRange	112DB@re Maximum Output Level, 22kHz BW, Unit Gain, A-Weighted
THD+Noise	0.002%@re+4dBu,22kHzBW,1kH,Unit Gain
Channel Separation	91dB@20Hz-20kHz,re+4dBu
CMRR	≥85DB@1kHz,re+4dBu
Phantom Power	48V,10MA, Ripple≤10MV
External Input Control	DMX116:8 Channet; DMX116D: 32 Channel
Logic Output	DMX116:8 Channel; DMX116D:32 Channel
Frequency Response	±0.03dB 20Hz-20kHz
MIC Gain(DB)	0\12\24\36\48DB
ETHERNET	100M communication speed, standard cable communication distancez100M
RS485	RX\TX\GND, communication distance≥100M, A variety of optional baud rate
R5232	Standard 232 Levelinterface, A variety of optional Baud rate
Power	90~260VAC,50-60Hz50-60W
Size	482x231x45mm
Weight	3.5kg