

DSP Audio Processor

# DS216B/DS214B

## Digital Loudspeaker Management



Characteristic :

- High-performance AKM A/D AK5392, 3pcs 24-bit DSP processing in parallel.
- Compressor on output channel.
- Copy function between channels and output phase reversal.
- Frequency point adjustable.
- 5-band PEQ on each output channel, all parameters adjustable.
- Up to 7ms Delay each channel, all parameters adjustable.
- 16 user memories, USB control.

### Technical Specifications

Input impedance	10KΩ, electronic balance input
CMRR	> 50dB(30Hz~20KHz)
Output impedance	< 50Ω, electronic balance input
Max. output level	Vpp=4V balance, Vpp=7.6V unbalance
Frequency response	20Hz~20.0KHz
Input gain	-40.0dB~6.0dB, step 0.5dB
Output gain	-40.0dB~6.0dB, step 0.5dB
Max. delay time	7ms
EQ Quantity	Each output channel 5 band parametric equalizer
EQ Gain	-12~12dB, step 0.1dB
EQ Classification	Parametric, L-Shelf 6dB, L-Shelf 12dB, H-Shelf 6dB, H-Shelf 12dB
EQ Frequency	20Hz ~ 20KHz, 31pcs ISO frequency
EQ Q value	0.5 ~ 10, total 11 options
Low-Shelf frequency	20Hz~1KHz
Hi-Shelf frequency	1KHz~20KHz
Shelf gain	-12~12dB, step 0.1dB
Frequency (HPF)	10Hz~16.0KHz
Frequency (LPF)	35Hz~22.0KHz
Crossover classification	Butterworth 6dB, 12dB, 18dB, 24dB, 48dB Bessel 12dB, 18dB, 24dB, 48dB Linkwitz-Riley 24dB, 48dB
Limiter threshold	-20~+15dB
Attack time	1~100ms
Hold time	0~100ms
Decline time	10~1000ms
Distortion	0.005%(THD)
Input level indicator	-30dB, -24dB, -12dB, -6dB, -3dB, 0dB, Clip
Output level indicator	-30dB, -24dB, -12dB, -6dB, -3dB, Limit, Clip
LCD display	2×20
Voltage	AC90V~250V, 50~60Hz
Weight	3.6Kg
Size	482mm×158mm×45mm

