

SPECIFICATION

	DSP-1212	DSP-1616
Model	DSP-1212	DSP-1616
Input channel jacks	Multi-channel terminal-block jacks (3 x 4 total inputs)	Multi-channel terminal-block jacks (4 x 4 total inputs)
Output channel jacks	Multi-channel terminal-block jacks (3 x 4 total outputs)	Multi-channel terminal-block jacks (4 x 4 total outputs)
General Purpose Input Output	8 Freely configurable input and output	
Input impedance	20k Ω balance,10k Ω unbalance	
Output impedance	100 Ω balance,50 Ω unbalance	
PC port	\geq RS485 interface (RJ-45), network-port, RS232.	
Input CMRR	80 dB @ +24dBu @60Hz	
Input range	\leq +24dBu.	
Frequency response	20~20kHz (\pm 0.25dB)	
S/N R	>90dB@0dBu,1KHz	
THD+N	\leq 0.002% @1kHz,+4dBu	
Crosstalk of channels	>100dB(1KHz).	
Functions of input channels		
mute/Invert/Phantom/sensitive	Each channel has independent mute/Invert/Phantom control,sensitive:0dBu to -60dBu	
Test Tone	Sine wave/Pink/White	
Expander	Threshold:-56dBFS to 0dBFS, Ratio:1 to 20, Attack:1ms to 1000ms, Release:1ms to 1000ms	
EQ	Each input channel includes a separate 5-band parametric equalizer; center frequency from 20Hz to 20KHz bandwidth: 0.02oct to 4.00oct, step-over: 0.01oct, gain: -15db to + 15db, step-over: 0.01db.	
Compress	Threshold:-48dBFS to 0dBFS, Ratio:1 to 20, Attack:1ms to 1000ms. Release:1ms to 1000ms	
AGC	Threshold:-60dBFS to 0dBFS, Targer:Threshold to 0dBFS, Ratio:1 to 20, Attack:1ms to 1000ms. Release:1ms to 1000ms	
Auto Mixer	Gain: -72dB to 12dB, Slop:1 to 3, Response:5ms to 5000ms	
AFC/AEC	Automatic Feedback Cancel/Automatic Echo Cancel	
Mixer	It is called also matrix or routing.	
Functions of output channels		
Output delay	Each output channel has delay (0ms to 2000ms or delay Distance from 0m to 640m)	
X-over	Each output channel can be set independently with a low-pass (LPF) and high pass (HPF) filter (all with adjustable parameters). Filter types: Linkwitz-Riley/Bessel/Butterworth, frequency: 20Hz to 20 KHz, resolution with 1Hz attenuation slope: 12db / oct. 18db/oct24db/oct30db/oct 6db/oct42db/oct48db/oct.	
Output GEQ	Each output channel includes a separate 31-band equalizer;Octaves: Narrow/Normal/Wide	
Limit	Threshold:-56dBFS to 0dBFS, Release:1ms to 1000ms	
mute/Invert	Each output channel has independent mute/Invert control.	
camera	It can connect and control the camera	
Processor	48KHz sampling frequency, 24 bits of data	
Power consumption	\leq 40W	\leq 45W
Power	AC 90V/240V 50Hz/60Hz.	
Product dimension(W×D×H)	482X260X44mm.	
Net weight	2.2(kg).	
Shipping dimension(W×D×H)	1 piece: 550x400x140mm/0.0244m ³	
Gross weight	1 piece: 3.3(kg)	