

Digital Audio Processor 16x16



DESCRIPTION

The NVS-70150016AP is 16x16 digital audio processor with advanced DSP processing technology and has new algorithms for auto-mixing and feedback cancellation to solve practical problems in targeted application scenarios. It's centre control code is randomly generated with channel copy, paste and joint control functions; automatic power failure protection; memory function and one-touch reset function. The appearance is made simpler and clearer, because most of the controls are operated via software.

FEATURES

- ⦿ DSP audio processing
- ⦿ USB Play & Recording
- ⦿ Support for mobile phone, tablet control and distributed cloud control
- ⦿ Full function matrix mixing function
- ⦿ Built-in automatic camera tracking function
- ⦿ Support for scene pre-setting function
- ⦿ Automatic power failure protection memory function
- ⦿ Channel copy, paste and joint control function
- ⦿ Built-in memory function
- ⦿ 1U all-aluminium chassis
- ⦿ Built-in automatic mixing console
- ⦿ Optional feedback elimination, echo cancellation and noise cancellation module
- ⦿ Inputs per channel: preamplifier, signal generator, expander, compressor, 5-band parametric equalization
- ⦿ Outputs per channel: 31-segment graphic equalization, delay, divider, limiter

Specifications	
Model	NVS-70150016AP
USB	Support Play & Recording
Central Control Command Cet Generator	Support
Input Processing	Preamp, signal generator, expander, compressor, 5-band parametric equalization, auto gain, AM auto mix function, AFC adaptive feedback cancellation
Output Processing	Speaker management (31-band graphic equaliser, delay, crossover, limiter, high and low channel filters)
Matrix Mixing	Matrix mixing of input and output signals, mixing component control
Automatic Camera Tracking Function	Support
Scene Pre-sets	100 group customized settings
Analogue Input Channels	16
Analogue Output Channels	16

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Ethernet Control Port	1
RS232	1
RS485	1
GPIO	8
Input Gain Amplification	-24~27dB, 3dB, Level 1 with 7 levels
Preamplification	51dB (3dB per file, 17 files in total)
Balanced/Unbalanced, Input/Output Support	Support
MIC/LINE, Input/Output Support	Support
Independent 48V Phantom Power Switch Per Channel	Support
Supported Processing Algorithms	AGC, AEC, ANC, AFC
Sampling	48k@24bit
Phantom Power	48V
Frequency Response	20Hz ~ 20K Hz, ± 0.3 dB
Total harmonic distortion + N	$\leq 0.005\%$ @1k, 4dBu
Digital-Analog Dynamic Range (A-weighting)	114dB
Analog-Digital Dynamic Range (A-weighting)	120dB
Input Impedance (Balanced)	20k Ω
Output Impedance (Balanced)	100 Ω
Channel Isolation	100dB @1k Hz, 4dBu
Common Mode Rejection Ratio	70dB @80 Hz
Maximum Input/Output Level	18dBu
Background Noise	-90dBu
System Delay	≤ 9 ms
Working Temperature	0-40 $^{\circ}$ C
Operating Power Supply	AC110V-220V, 50Hz/60Hz
Dimension (W x D x H)	482x258x45 mm

ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-70150016AP	Digital Audio Processor 16x16	01