Digital Audio Processor【Premium Solution】

VM-X0808L



Function Description::

1. Comprehensive matrix mixing capabilities, 24-bit/48 kHz sampling rate, high-performance A/D and D/A converters, and a 32-bit floating-point DSP processor;

2. DSP audio processing with built-in automatic mixing console, featuring mixing and automatic mixing functions, component control for mixing, and a feedback suppression module.

3. Input per channel: preamp, signal generator, expander, compressor, 5-band parametric equalizer;

4. Per-channel output: 31-band graphic equalizer, delay unit, crossover, limiter;

5. Each channel can be independently assigned a Chinese name;

6. Test signal generator, sine wave, pink noise, white noise, with selectable frequency and level;

7. Input phase switch, mute switch, phantom power switch;

8. Mute switch and phase switch for each channel output;

9. Flexible switching between Chinese (Simplified), Traditional Chinese, and English;

10. Display all functional modules with one click;

11. Randomly store Chinese help documentation and software;

12. Randomly generated central control code; automatic power-off memory protection; one-touch reset function;

13. Channel copy, paste, and linked control functions;

14. A single host allows management by up to 10 users, with usernames configurable in Chinese.

15. Device names can be modified and support Chinese characters.

16. Editable preset modes: create, delete, modify, and initialize with a single button. Preset modes can be saved to a computer and restored with one click.

17. Input and output channels can be independently configured with color settings and a one-touch reset switch.

18. Features camera tracking functionality, enabling independent preset position adjustment for a single camera;

19. Convenient and efficient web control: Built-in web controller enables quick operation across Windows, Android, iOS, and other platforms.

20. Enternet multi-purpose data transmission and control port, supporting real-time management of single and multiple devices;

21. An intuitive, visually appealing, and easy-to-<stand graphical software control interface delivers a fast, real-time operating experience for customers;

22. The device requires no installation discs, as it comes with built-in installation software. Each device supports one software version, eliminating the hassle caused by lost installation discs and confusion from multiple software versions.

23. Expandable USB port enables device upgrades, USB music playback, and recording functionality.

24. Equipped with bidirectional RS232 interface, RS485 interface, standard Ethernet control interface, and 8-channel programmable GPIO control interface (customizable input/output);

25. Supports 8 to 100 preset scene groups;

26. Intuitive, graphical software control interface compatible with operating systems including XP/Windows 7, 8, and 10;

Technical specifications:

Model	VM-X0808L
Number of analog channels:	8 balanced/line inputs + 8 balanced/line outputs
Sampling rate	48k at 24-bit
Preamplifier gain	51dB (3dB per step, 17 steps total)
Phantom Power	48V
Frequency response	20Hz to 20K Hz, ±0.3dB
THD+N	≤0.005% @1k, 4dBu
Digital-to-Analog Dynamic Range (A-weighted)	114dB
Modular dynamic range (A-weighted)	120dB
Input Impedance (Balanced)	20kΩ
Output impedance (balanced)	100Ω
EIN (A-weighted)	≤-125 dBu
Channel Isolation	100dB @1kHz, 4dBu
Common-mode rejection	70dB @80 Hz
Maximum Input Level	18dBu
Maximum Output Level	18dBu
background noise	-90 dBu
System Delay	≤9ms
Operating Power Supply	AC110V-220V, 50Hz/60Hz
Operating Temperature	0-40℃
Product Dimensions	482*258*45 (mm)