16 in 16 Out Digital Audio Processor

S-TRACK® is top 3 audio processor factory in China. The majority of our member has been focusing on the AV field for more than 20 years. 16 In 16 Out Digital Audio Processor (TIGER 1616N) can also be called as DSP or audio matrix, is very easy to use, the user interface is very friendly, customers can quickly know how to use it and how to connect it with audio/video system.

S-TRACK® 16 In 16 Out Digital Audio Processor (TIGER 1616N) Product Introduction:

This S-TRACK® 16 In 16 Out Digital Audio Processor (TIGER 1616N) is one of the main export models. 16 In 16 Out Digital Audio Processor (TIGER 1616N) can provide customization service for all customers and do OEM for many big brands. 16 In 16 Out Digital Audio Processor (TIGER 1616N)'s center control code is randomly generated, with channel copy, paste and joint control functions, automatic power failure protection memory function, and one-touch reset function.

S-TRACK® 16 In 16 Out Digital Audio Processor (TIGER 1616N) Product Parameters:

Number of Analog Channels	16-CH Balanced/Line Inputs + 16-CH Balanced/Line Outputs

Sampling rate	48k@24bit
Preamplification	51dB (3dB per file, 17 files in total)
Phantom Power	48V
Frequency Response	20Hz ~ 20K Hz, ±0.3dB
THD + N	≤ 0.005% @1k, 4dBu
Digital-Analog Dynamic Range(A-weighting)	114dB
Analog-Digital Dynamic Range(A-weighting)	120dB
Input Impedance(Balanced)	20kΩ
Output Impedance (Balanced)	100Ω
EIN(A-weighting)	≤ -125 dBu
Channel Isolation	100dB @1k Hz, 4dBu
Common Mode Rejection	70dB @80 Hz
Maximum Input Level	18dBu
Maximum Output Level	18dBu
Background Noise	-90dBu
System Delay	≤9ms
Working Power	AC110V-220V, 50Hz/60Hz
Working Temperature	0-40℃
Chassis Size (WxDxH)	482*258*45(mm)

S-TRACK® 16 In 16 Out Digital Audio Processor (TIGER 1616N) Product Features:

1. Comprehensive matrix mixing function, 24bit/48KHz sampling frequency, high-performance A/D D/A converter and 32-bit floating-point DSP processor.

★2. DSP audio processing, built-in automatic mixing console, including mixing and automatic mixing functions, with mixing component control functions, as well as feedback cancellation module, echo cancellation module, noise cancellation module.

3. Input Per Channel: preamplifier, signal generator, expander, compressor, 5-band parametric equalization.

4. Output Per Channel: 31-segment graphic equalization, delay, divider, limiter.

5. Chinese name can be set independently for each channel.

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

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

8. Output mute switch, phase switch for each channel.

9. Flexible switching between Chinese, Chinese Traditional and English languages.

10. One key to display all functional modules.

11. Random storage of Chinese help files and software.

12. Random generation of the central control code; power failure automatic protection memory function; one key reset function.

★13. Channel copy, paste, joint control function.

14. The same host allows 10 users to manage, the user name can be set to Chinese.

15. Equipment name can be modified, allowing Chinese name.

16. Editable preset mode, new, delete, modify, one key initialization, preset mode can be stored to computer and one key recovery.

17. Input and output channels can be independently set color, one-key recovery switch.

18. with camera tracking function, a camera can be independently preset position adjustment.

★19. Convenient web control: built-in web controller, in Windows, Android, iOS and other platforms can be quickly operated.

★20. Enternet multi-purpose data transmission and control port, can support real-time management of single and multiple devices.

21. Intuitive image, simple and easy to understand graphical software control interface, to bring customers a fast, real-time operating experience.

★22. Equipment without CD-ROM, comes with its own installation software, a device for a software version, to solve the trouble caused by the loss of the installation CD and multiple software versions confusion.

★23. Expandable USB interface, which can realize the device upgrade function, USB music playback and recording function;.

★24. Configuration of bidirectional RS232 interface, RS485 interface, standard Ethernet control interface, 8-channel programmable GPIO control interface (customizable input and output).

★25. Support 8~100 groups of scene preset function.

26. Intuitive, graphical software control interface, can work in XP/Windows7, 8, 10 and other system environments.

S-TRACK® 16 In 16 Out Digital Audio Processor (TIGER 1616N) Application Scenarios:

S-TRACK® 16 In 16 Out Digital Audio Processor (TIGER 1616N) is suitable for large-scale multi-system interconnection projects such as hotels, supermarkets, gymnasiums, transportation hubs, theme parks, corporate headquarters, administrative centers, learning, and so on.

Conference Room

Court

Command Center

Class Room