



Audio processor

TF-D11616P



Description

This digital audio processor supports Dante network audio transmission and integrates multiple high-performance audio processing technologies. With 16 inputs and 16 outputs, it utilizes DSP audio processing technology to provide users with superior sound quality. Built-in feedback suppression, echo cancellation, noise cancellation, and Dante network transmission functions ensure high-quality sound reproduction. Primarily used in medium to large venues, it meets the audio processing needs of remote video conferencing and is suitable for demanding applications such as stadiums, conference centers, auditoriums, banquet halls, exhibition halls, multimedia conference rooms, and command centers.

Features

1. The equipment adopts a standard 1U chassis design. The front panel has a 2.19-inch LCD screen, which supports displaying device network information, real-time level, channel mute status, and matrix mixing status.
2. Audio input: 16-channel balanced microphone/line input, using bare wire connectors, balanced connection.
3. Audio output: 16-channel balanced line output, using bare wire interface terminals, balanced connection.
4. The device has a built-in Dante module that supports the Dante network transmission protocol, enabling low-latency Dante network audio transmission, 16 transmit channels, and 16 receive channels, allowing for network audio expansion.
5. Provides exceptional high-quality sound at 24bit/48kHz.
6. Supports full-featured matrix mixing, providing users with flexible and simple signal routing operations. Routing paths and level values can be completed with a single button.
7. The device supports software upgrades via the panel USB interface.
8. The device is equipped with a bidirectional RS-232 interface, which can be used to control external devices and receive and respond to third-party control commands.
9. The equipment is equipped with an RS-485 interface, which enables automatic camera tracking.
10. The device is equipped with an 8-channel programmable and customizable input/output GPIO control interface.
11. The equipment supports automatic protection memory function in case of power failure.
12. The device supports channel copying, pasting, and joint control functions.
13. The device has an Ethernet multipurpose data transmission and control port, which can support real-time management of single or multiple devices.
14. The device adopts a dual-DANTE network port design with a main network port and a backup network port.
15. The device supports Windows platform client software management, and comes with built-in management and control software; the software interface is intuitive and graphical, and supports XP/Windows 7, 8, 10 and other systems.
16. The device supports PC client control (full functionality supported).
17. Supports operation and control via iPad, iPhone or Android mobile APP software, and the panel has a USB interface.



Audio processor

TF-D11616P

Specification

1. Dante interface	2 RJ-45 ports
2. Sampling rate	48K
3. Phantom power	+48V
4. Audio Input Channels	Preamplifier, Signal Generator, Expander, Compressor, 5-band Parametric Equalizer, AM Automatic Mixing Function, AFC Adaptive Feedback Cancellation, AEC Echo Cancellation, ANC Noise Cancellation
5. Audio output channels	31-band graphic equalizer, delay unit, crossover, high-pass/low-pass filter, limiter.
6. Frequency response	20Hz-20kHz
7. Total Harmonic Distortion + Noise	≤0.003%, 4dBu
8. Digital/Analog Dynamic Range (A-weighted)	114dB
9. Modular/digital dynamic range (A-weighted)	120dB
10. Audio input impedance (balanced)	20KΩ;
11. Maximum audio output impedance (balanced)	100Ω;
12. Channel isolation	1kHz, 104dB
13. Input common-mode rejection	70dB @80 Hz
14. Maximum output level	+18dBu, balanced
15. Maximum input level	+18dBu, balanced
16. Operating temperature	0°C -40°C
17. Input voltage	AC110V~220V (50/60Hz)
18. Power consumption	<40W
19. Product dimensions	Length 482mm x Width 258mm x Height 45mm
20. Product weight	3.0kg