itc · DSP SERIES AMPLIFIERS

TC-D4200/TC-D4350/TC-D4500

Four-Channel DSP Digital Amplifier

The itc TC-D4200 family is a four-Channel DSP Digital Amplifier from itc's DSP Series Amplifiers range, built for powering loudspeaker systems in halls, auditoriums, places of worship, banquet venues and live events. It is offered in 3 versions — TC-D4200, TC-D4350, TC-D4500 — so one design language covers rooms of different sizes.

Key figures: frequency response 20Hz-20kHz /+1/-1dB; thd+n ≤0.05%; power supply ~ 220V 50Hz. Highlights include unique design scheme, high-end DSP processor, multiple working modes for different user needs and 2-inch screen for device status display.



Key features

- Unique design scheme — High-efficiency PFC Switching power supply Class D digital power amplifier Low distortion and high efficiency
- High-end DSP processor — Built-in compressor, limiter, expander, parametric equalizer, matrix routing, delay, high and low pass processing, etc.
- Multiple working modes for different user needs — Matrix mode Bridge Free switching
- 2-inch screen for device status display — Power amplifier status Power amplifier temperature Output mode status Power amplifier real-time voltage/current/power Channel current volume
- Independent adjustment of each output channel — 5/8/12-band parametric EQ, matrix, electronic crossover, delay, extender, limiter, gain, mute, polarity and other functions

Technical specifications

Versions: TC-D4200 · TC-D4350 · TC-D4500 (values in the same order)

Output power (20-20KHz/THD≤1%)	Stereo/Parallel 8Ω: 200W×4 Stereo/Parallel 4Ω: 400W×4 Bridge 16Ω: 400W×2 Bridge 8Ω: 750W×2 / Stereo/Parallel 8Ω: 350W×4 Stereo/Parallel 4Ω: 600W×4 Bridge 16Ω: 700W×2 Bridge 8Ω: 1200W×2 / Stereo/Parallel 8Ω:
Connector	XLR interface
Input sensitivity	1V
Input impedance	10kΩ Unbalanced, 20kΩ balanced
Frequency response (@1W power)	20Hz-20kHz /+1/-1dB
THD+N (@1/8 power)	≤0.05%
SNR (A-weighted)	≥95dB
Damping coefficient (@1KHz)	≥200@ 8 ohms
Separation (@1KHz)	≥85dB
Protection mode	Overcurrent protection, DC protection, short circuit protection
Indicator light	Power, Protection, Distortion
Cooling method	Fan cooling
Power supply	~ 220V 50Hz
Overall power consumption	300W / 400W / 600W
Dimension (L×D×H)	484mm×471mm×44mm

Continued specifications on request.