DIGITAL MIXING PROCESSOR UNIT D-2008SP(CN)

■DESCRIPTION

The D-2008SP Digital Mixing Processor Unit is designed to have up to 32 audio inputs and outputs in total, and to be mounted in an EIA standard equipment rack (3U size). A built-in powerful signal processing function permits the unit to be used as both a mixer and a signal processor.
Its audio input/output and control ports can accept optional plug-in modules, making the unit have a maximum of 32 inputs or 32 outputs and up to 2 control modules. Using the following optional modules enables the unit to perform their functions: Two D-983s for providing a maximum of 48 contact inputs and 32 contact outputs, D-984VC for VCA control, and D-2000CB for audio data transfer between multiple D-2008SP units. Each function is set by the dedicated setting software on a PC.
Setting contents can be stored in the unit's internal memory as preset memory, which can be recalled by the D-2008SP without using a PC.
The D-2012C, when connected, remotely controls the D-2008SP's basic operations such as volume control.

■SPECIFICATIONS

* 0 dB = 0.775 V

Power Source	220 – 240 V AC, 50 Hz
Power Consumption	76 W
Frequency Response	20 Hz – 20 kHz, ±1 dB (+4 dB* input)
Sampling Frequency	48 kHz
Input and Output	Input: Max. 32 channels, modular construction (modules optional) Output: Max. 32 channels, modular construction (modules optional) Monitor bus: 1 stereo input, 1 stereo output Connector: RJ45 connector Connection cable: Shielded Category 5 or higher twisted pair LAN cable(CAT5-STP) Maximum cable distance: 100 m (between D-2008SP and D-2012C) Headphone: 1 stereo
Signal Processing	
Feedback Suppression Function	12 filters (auto + dynamic), maximum 4 bus channels
Auto-Mixing Function	Ducker (automatic muting), NOM attenuation
Auto-Mixing Group	4 groups
Equalizer/Filter	Parametric equalizer: 20 Hz – 20 kHz, ±15 dB, Q: 0.267-69.249 Filtering: High-pass filter 20 Hz – 20 kHz, 6 dB/oct, 12 dB/oct Low-pass filter 20 Hz – 20 kHz, 6 dB/oct, 12 dB/oct Notch filter 20 Hz – 20 kHz, Q: 8.651 – 69.249 All-pass filter 20 Hz – 20 kHz, Q: 0.267 – 69.249 High shelving filter 6 – 20 kHz, ±15 dB Low shelving filter 20 – 500 Hz, ±15 dB Horn equalizer 20 kHz, 0 to +18 dB (0.5 dB steps) Crossover filter: 20 Hz – 20 kHz, 6 dB/oct, 12 dB/oct, 18 dB/oct, 24 dB/oct
Compressor/Auto-Leveler	(Compressor mode) Threshold: −20 to +20 dB (1 dB steps) Ratio: 1:1, 1.1:1, 1.2:1, 1.3:1, 1.5:1, 1.7:1, 2:1, 2.3:1, 2.6:1, 3:1, 4:1, 5:1, 7:1, 8:1, 10:1, 12:1, 20:1, ∞:1 Attack time: 0.2 ms – 5 s Release time: 10 ms – 5 s Gain: −∞ – +10 dB Knee type: hard knee, soft knee 1, soft knee 2 (Auto-leveler mode) Target level: −20 to +10 dB (1 dB steps) Maximum gain: 0 to +20 dB (1 dB steps) Attack time: 10 ms – 10 s Release time: 100 ms – 10 s
Output Delay	Delay time: 0 – 1360 ms (0.021 ms steps)
BUS Delay	Delay time: 0 – 677 ms (0.021 ms steps)
Matrix	Input: Max. 34 (32 + 2) channels × 24 buses, Output: Max. 44 (24 + 4 + 16) buses × 32 channels
CobraNet Matrix	Input: Max. 16 channels × 24 buses, Output: Max. 28 (24 + 4) buses × 16 channels
Crosspoint Gain	−∞ – 0 dB (1 dB steps)
Preset Memory	32
Auxiliary Function	Key Locking function
LAN	Network I/F: 10BASE-T/100BASE-TX (Automatic-Negotiation) Connected via a switching hub Network protocol: TCP/IP Connection cable: Shielded Category 5 or higher twisted pair LAN cable(CAT5-STP) Maximum cable distance: 100m(between D-2008SP and switching hub)

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Control	RS-232C: D-sub connector (9 pins) Used for external control Module: Remote control module slot: 2
Operating Temperature	+5 °C to +40 °C (41 °F to 104 °F)
Finish	Panel: Aluminum, hair-line finish, black Case: Surface-treated steel plate
Dimensions	482 (W) × 132.6 (H) × 343.4 (D) mm (18.98" × 5.22" × 13.52")
Weight	6.3 kg (13.89 lb)
Accessories	Power cord (2 m (6.5 ft)) ···1, Rack mounting screw ···4, Module mounting screw (spare) ···4, Blank panel (preinstalled on the module slot) ···8
Option	Mic/line input module: D-2000AD1, D-921E, D-921F, D-922E, D-922F Stereo select input module: D-936R Digital input module: D-923AE Line output module: D-971E, D-971M, D-971R, D-2000DA1 Digital output module: D-972AE CobraNet interface module: D-2000CB Remote control module: D-981, D-983, VCA control module: D-984VC

Personal Computer Requirements

Hardware	CPU: 1 GHz or faster 32-bit (x86) or 64-bit (x64) processor Memory: 1 GB or more RAM (for 32-bit CPU) or 2 GB or more RAM (for 64-bit CPU) Display: 1024 × 768 resolution or higher Free Hard Disk Space: 16 MB or more (for D-2000 Setting Software installation) 500 MB or more (when ".NET Framework"needs to be installed) LAN Card: Compatible to 10BASE-T or faster connection
OS	Windows 10 Pro (32/64-bit) Windows 11 Pro (64-bit)
Required Component	.NET Framework3.5SP1

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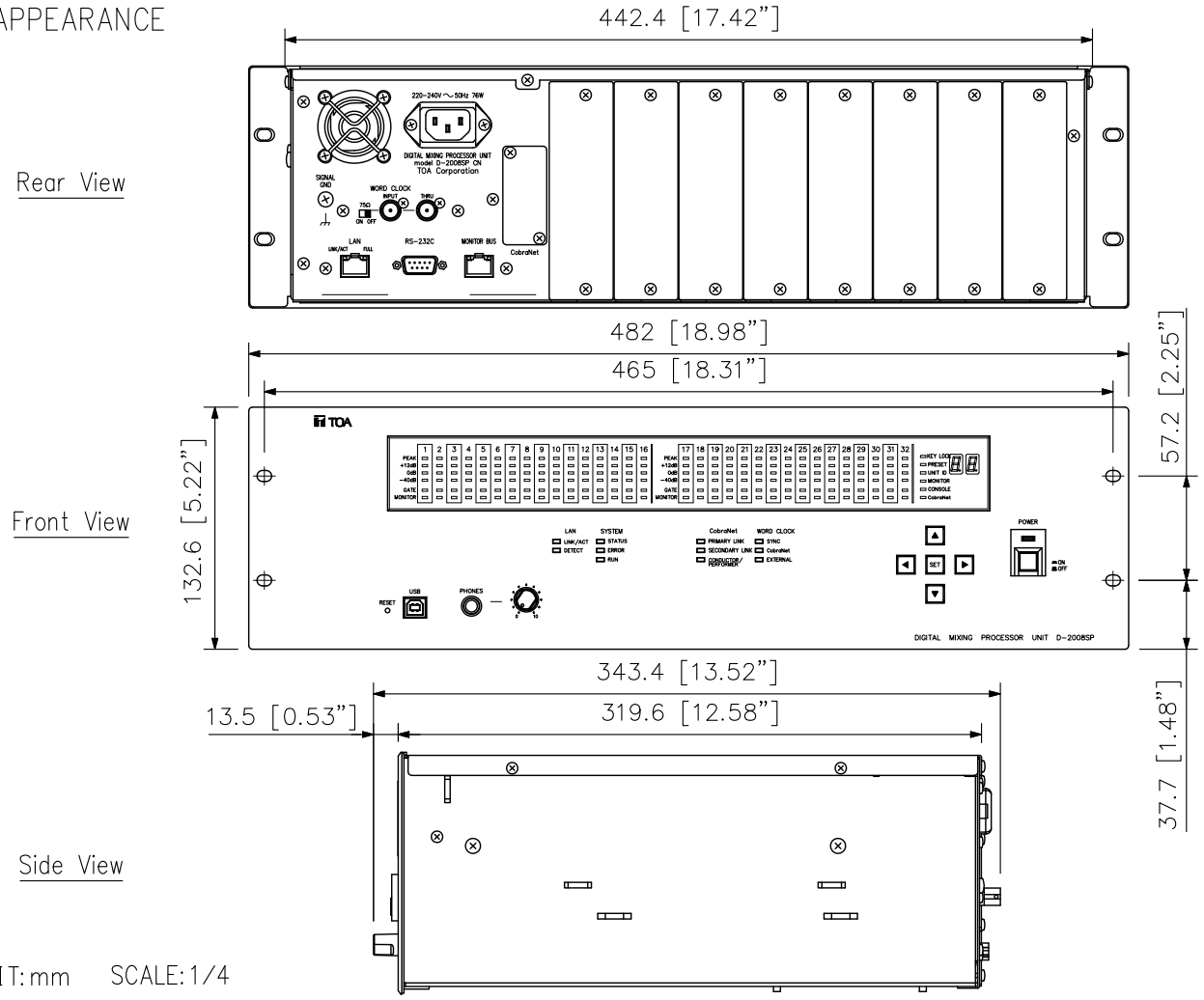
■APPEARANCE



UNIT: mm SCALE: 1/4

TOA Corporation

DWG No: GD-014C1-7