TOA DIGITAL POWER AMPLIFIER 4×500W VP-3504

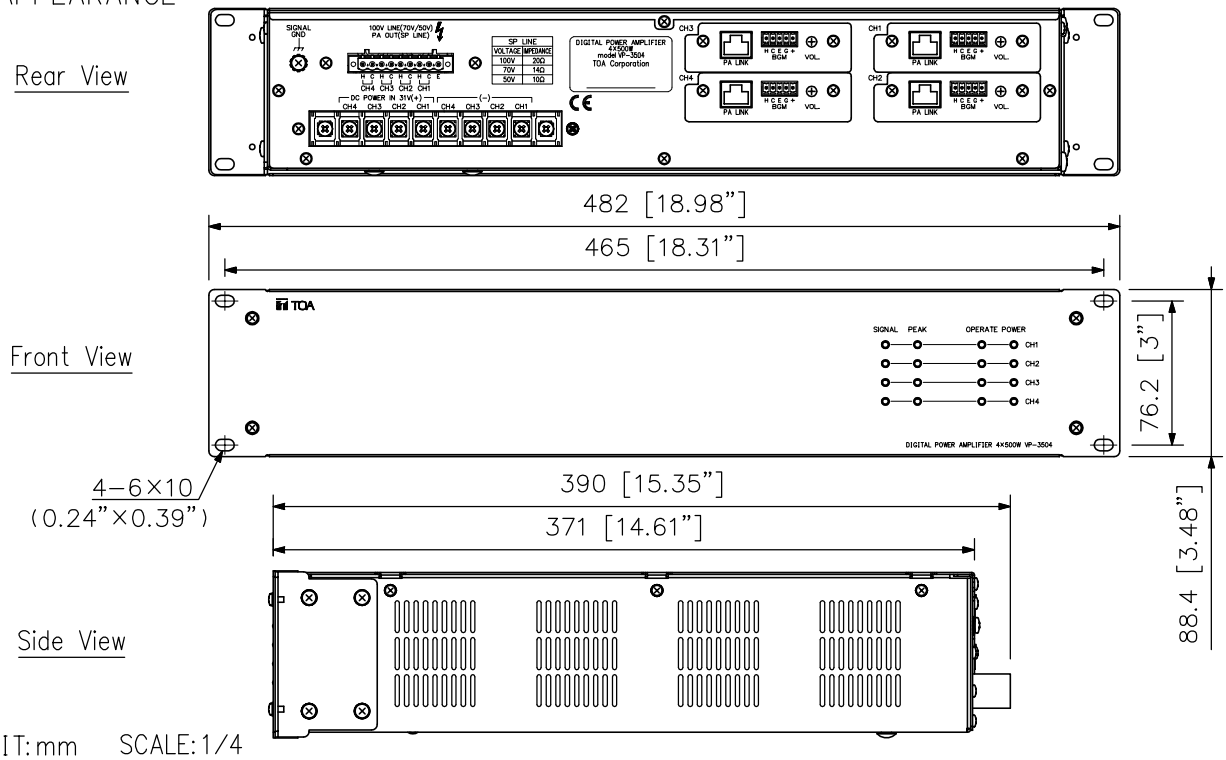
■DESCRIPTION

The VP-3504 is an Digital Power Amplifier used for the SX-2000, VX-2000 and VM-3000 systems.
It is a 2U rack-mount unit equipped with 4 channels of class-D digital power amplifiers, which contribute to energy-saving and lightweight design. The VP-3504 also features a front-mounted LED indicator for operating status indication and stand-by mode to be set for reducing stand-by power consumption.
It requires a dedicated power supply unit VX-3000DS.

■SPECIFICATIONS

Power Source	31 V DC (operating 20-34 V DC) DC power in: M4 screw terminal, distance between barriers: 11 mm (0.43")
Amplification System	Class D
Current Consumption	13 A in total at 31 V DC (EN60065)
Rated Output Power	500 W × 4 (at 100 V line and min. resistive and max. capacitive load) 350 W × 4 (at 70 V line and min. resistive and max. capacitive load) 250 W × 4 (at 50 V line and min. resistive and max. capacitive load) (at AC Mains of VX-3000DS: 187 V - 253 V)
Output Voltage	100 V (70 V, 50 V: selectable by internal change)
Minimum Resistive Load	20 Ω (at 100 V line), 14 Ω (at 70 V line), 10 Ω (at 50 V line)
Maximum Capacitive Load	0.5 μF
Number of Channels	4
Input	PA link: 4 channels, RJ45 connector BGM: 4 channels, removable terminal block (5 pins) BGM INPUT (H, C, E): -10 dB/0 dB (LINE, changeable), 22 kΩ, electronically balanced BGM MUTE (G, +): no-voltage make contact input, open voltage: 15 V DC, short-circuit current: 2 mA Volume adjustment: 4 channels
Output	PA out (Speaker line): removable terminal block (9 pins) × 1
Frequency Response	40 Hz - 16 kHz, ±3 dB (at 100 V line, 1/3 rated output)
Distortion	1 % or less (at 100 V line, rated output, 1 kHz)
Signal to Noise Ratio	80 dB or more (at 100 V line, A-weighted)
Crosstalk	60 dB or more (at 100 V line, A-weighted)
Panel Indicator	Power indicator × 4 (Green), Operate indicator × 4 (Green), Input signal indicator × 4 (Green), Peak signal indicator × 4 (Red)
Operating Temperature	-5 °C to +45 °C (23 °F to 113 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Surface-treated steel plate, black, 30 % gloss, paint
Dimensions	482 (W) × 88.4 (H) × 390 (D) mm (18.98" × 3.48" × 15.35")
Weight	7.7 kg (16.98 lb)
Accessory	Rack mounting screw (with washer) ···4, Removable terminal plug (5 pins) ···4, Removable terminal plug (9 pins) ···1

■APPEARANCE



UNIT: mm SCALE: 1/4

TOA Corporation

DWG No: GVP01XA1-2