

### DESCRIPTION

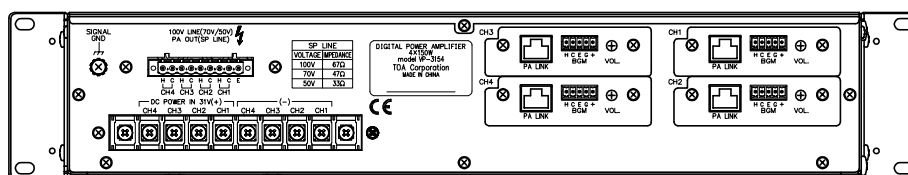
The VP-3154 is an Digital Power Amplifier used for the SX-2000, VX-2000 systems. It is a 2U rack-mount unit equipped with 4 channels of class-D digital power amplifiers, which contribute to energy-saving and lightweight design. The VP-3154 also features a front-mounted LED indicator for operating status indication and stand-by mode to be set for reducing stand-by power consumption. It requires a dedicated power supply unit VX-3000DS.

### SPECIFICATIONS

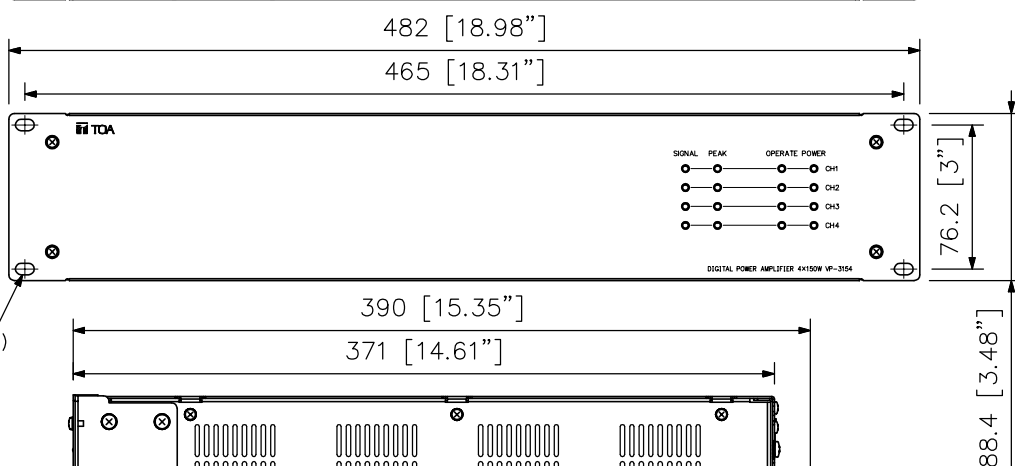
|                         |                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source            | 31 V DC (operating 20–34 V DC)<br>DC power in: M4 screw terminal, distance between barriers: 11 mm (0.43")                                                                                                                                                                                                                 |
| Amplification System    | Class D                                                                                                                                                                                                                                                                                                                    |
| Current Consumption     | 6 A in total at 31 V DC (EN60065)                                                                                                                                                                                                                                                                                          |
| Rated Output Power      | 150 W × 4 (at 100 V line and min. resistive and max. capacitive load)<br>105 W × 4 (at 70 V line and min. resistive and max. capacitive load)<br>75 W × 4 (at 50 V line and min. resistive and max. capacitive load)<br>(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  | 67 Ω (at 100 V line), 47 Ω (at 70 V line), 33 Ω (at 50 V line)                                                                                                                                                                                                                                                             |
| Maximum Capacitive Load | 0.5 μF                                                                                                                                                                                                                                                                                                                     |
| Number of Channels      | 4                                                                                                                                                                                                                                                                                                                          |
| Input                   | PA link: 4 channels, RJ45 connector<br>BGM: 4 channels, removable terminal block (5 pins)<br>BGM INPUT (H, C, E): -10 dB/0 dB (LINE, changeable), 22 kΩ, electronically balanced<br>BGM MUTE (G, +): no-voltage make contact input,<br>open voltage: 15 V DC, short-circuit current: 2 mA<br>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),<br>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                  | 7.3 kg (16.09 lb)                                                                                                                                                                                                                                                                                                          |
| Accessory               | Rack mounting screw (with washer) ...4, Removable terminal plug (5 pins) ...4,<br>Removable terminal plug (9 pins) ...1                                                                                                                                                                                                    |

### APPEARANCE

Rear View



Front View



Side View

UNIT:mm SCALE:1/4