

■DESCRIPTION

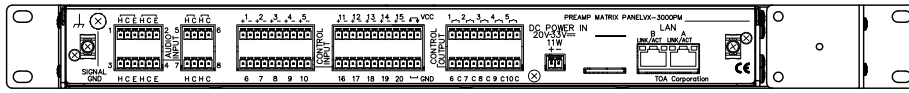
The VX-3000PM is a preamplifier matrix panel designed for exclusive use with the VX-3000 Series. The number of audio inputs, control inputs, and control outputs can be increased by connecting the VX-3000PM to the VX-3000 Frame via network. It is equipped with 8 audio inputs and their corresponding volume controls, 20 control inputs, and 10 control outputs. A single VX-3000PM unit can be connected to a single VX-3000 Frame, and a maximum of 40 units can be configured per system. Unicast audio transmission can be made among the VX-3000PM units, enabling broadcast activation and microphone announcement at multiple places. It can be mounted in an EIA equipment rack (1U size).

■SPECIFICATIONS

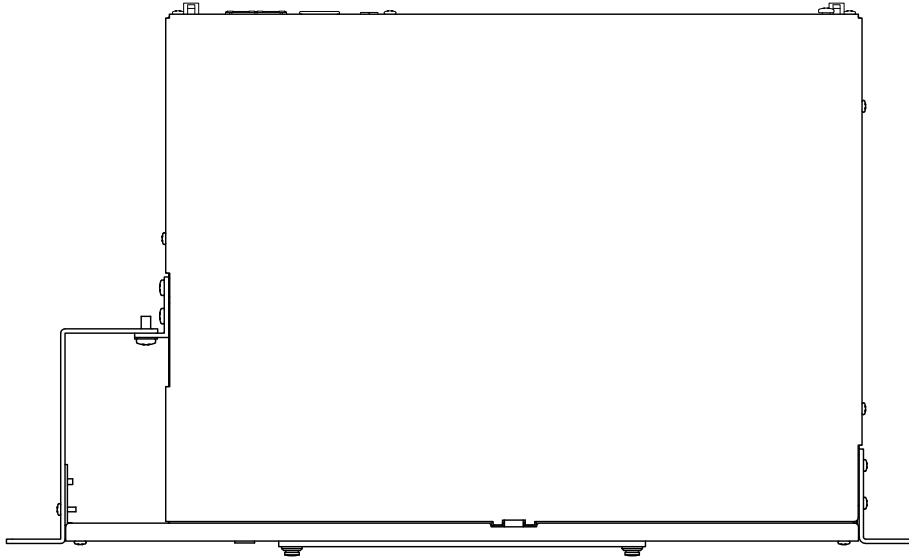
Power Source	20 – 33 V DC, removable terminal block (2 pins)
Current Consumption	0.33 A at 33 V DC input 0.35 A at 24 V DC input
LAN A, B	Number of Connectors: 2 (LAN A, LAN B) Network I/F: 100BASE-TX Network Protocol: TCP, UDP, ARP, ICMP, RTP, IGMP, HTTP Spanning tree Protocol: RSTP Audio Transmission System: TOA Packet Audio (*1) Audio Encoding Method: PCM Audio Sampling Frequency: 48 kHz Audio Quantifying Bit Number: 16 bits Connection Device: VX-3004F, VX-3008F, VX-3016F, NX-300, VX-3000CT, VX-3000PM, Switching HUB Connector: RJ45 connector Connection Cable: Category 5 twisted pair cable (CAT5) or greater Maximum Cable Distance: 100 m (328.08 ft)
Audio Input	8 inputs Input Level: INPUT 1 – 4: –60 dB (*2)/–40 dB (*2)/–20 dB (*2)/0 dB (*2) selectable, input impedance 600 Ω, transformer-balanced INPUT 5, 6: –20 dB (*2), input impedance 10 kΩ, unbalanced INPUT 7, 8: 0 dB (*2), input impedance 10 kΩ, unbalanced Frequency Response: –60 dB (*2): 200 Hz – 10 kHz, –2 dB ±3 dB –40 dB (*2)/–20 dB (*2)/0 dB (*2): 100 Hz – 15 kHz, –2 dB ±3 dB Distortion: 1% or less Signal to Noise Ratio: 60 dB or more Removable terminal block (6 pins × 2, 4 pins × 2) Only Input 1 is used in common with the front-mounted Ø6.3 mm phone jack.
Control Input	20 channels, no-voltage make contact input, open voltage: 30 V DC, short-circuit current: 2 – 10 mA Connector: Removable terminal block (10 pins × 2, 12 pins × 2)
Control Output	Channels 1 – 5, relay (a contact), withstand voltage: 30 V DC, control current: 1 A Channels 6 – 10, open collector output (polarized), withstand voltage: 30 V DC, control current 100 mA Connector: Removable terminal block (10 pins) × 2
Indicators	Signal indicator (green) ⋯8, RUN (green) ⋯1, LINK/ACT (green) ⋯2
Volume Control	8 channels
Operation	Input level setting switch ⋯1, IP address setting switch ⋯1
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Pre-coated steel plate, black, 30 % gloss Volume control section cover: Acrylic resin, gray smoke
Dimensions	482 (W) × 44 (H) × 292.4 (D) mm (18.98" × 1.73" × 11.51")
Weight	3.2 kg (7.05 lb)
Accessory	Rack mounting screw ⋯4, Removable terminal plug (6 pins) ⋯2, Removable terminal plug (4 pins) ⋯2, Removable terminal plug (10 pins) ⋯4, Removable terminal plug (12 pins) ⋯2, Removable terminal plug (2 pins) ⋯1

(*1) TOA's unique technology which makes it possible to transmit high-quality audio signals in real time over an IP network.
(*2) 0 dB = 1 V

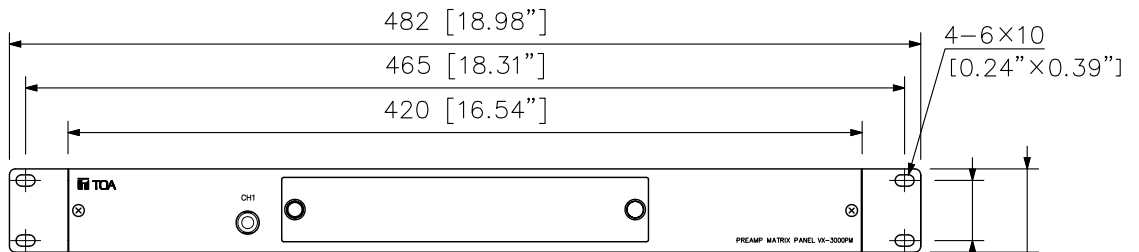
■ APPEARANCE



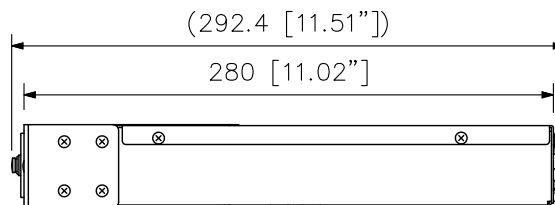
Rear View



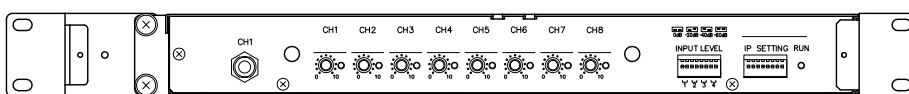
Top View



Front View



Side View



Front view without front panel

UNIT:mm SCALE:1/4

Note: Numerical value in parentheses is for reference only.