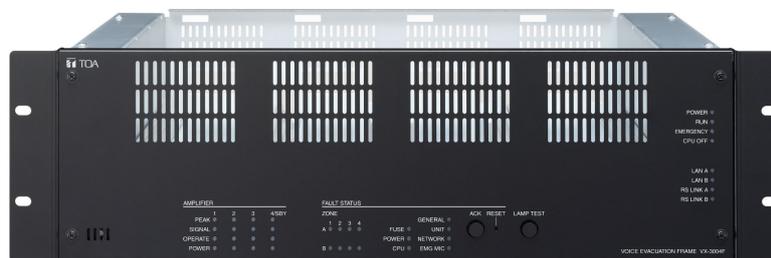


VX-3004F

VOICE EVACUATION FRAME 4AB

The VX-3004F frame is one of three system managers of TOA's VX-3000 series rack-mount type public address and voice evacuation system certified according to the European Standard EN 54-16. It provides 4 output channels for AB speaker lines, each channel driven by a separate amplifier module. The amplifier modules can be easily mounted and removed. Up to 4 power amplifier modules of different wattages can be mounted, one of which can be used either for one channel or as a standby amplifier. The standby amplifier, when mounted, can be shared among other VX-3000F units. Each amplifier channel has the following DSP functions: different filter types (PEQ, HPF, LPF, shelving, CD-horn EQ, notch), compressor and delay that enables appropriate acoustic adjustment for any broadcast area. The smart ANC function enables the control of ambient noise and is not affected by the audio signal it controls. Therefore, the sensor's installation location is not critical. The monitoring of the speaker lines can be selected between impedance monitoring with selectable pilot tone or by end-of-line modules. The VX-3004F has 4 balanced audio input terminals from microphone up to line level sensitivity, with phantom power selection for microphone use. The inputs can also be set for receiving an emergency broadcast from another VA system of higher priority and broadcast it under the condition of the emergency mode. Up to 8 remote microphones can be connected via RJ45 ports; two of which can be emergency microphones. The following DSP functions are available for each input channel: different filter types (PEQ, HPF, LPF, shelving) and compressor. Helpful features such as feedback suppressor or voice-controlled broadcast activation (VOX) enhance the usability of the system.



Article number: VX-3004F
Alternative products: VX-3008F, VX-3016F

Specifications

| | |
|-----------------------------|---|
| Indicator | power, run, CPU off, LAN status, RM status emergency status faults: general, network, EMG microphone, fuse, power, CPU, zones amplifier status: signal, peak, operate, power |
| Power source. | 31 V DC operating range: 20 – 40 V DC) |
| Audio input | 4 balanced channels, nominal sensitivity between -60 dBV and -20 dBV, can be attenuated by potentiometer behind front panel, phantom power selectable |
| Frequency response. | 40 Hz - 20 kHz (±1 dB) |
| Power source. | 31 V DC operating range: 20 – 40 V DC) |
| Distortion. | < 1 % (at 1 kHz) |
| Power / current consumption | max. 85 W at 31 VDC |
| Control input | 16 (by contact) + 2 (by 24 VDC polarity change) |
| Frequency response. | 40 Hz - 20 kHz (±1 dB) |
| Power / current consumption | max. 85 W at 31 VDC |
| Control output | Open collector: 8 + 3 (CPU OFF), Relay (125 VDC, 5 A): 8 |
| S/N ratio. | 60 dB(A) (or more) |
| Control input | 16 (by contact) + 2 (by 24 VDC polarity change) |
| Control output | Open collector: 8 + 3 (CPU OFF), Relay (125 VDC, 5 A): 8 |
| Input / Output | Speaker Output: 4 AB Zones Audio Input: 4 (Line: -20 dBV / Mic: -60 dBV, phantom power selectable) |
| Indicator | power, run, CPU off, LAN status, RM status emergency status faults: general, network, EMG microphone, fuse, power, CPU, zones amplifier status: signal, peak, operate, power |
| Connection | RJ45: control inputs x 2, control outputs (open collector) x 2, DS link x 1, remote microphones x 2, LAN x 2, analog link x 2 Removable screw terminals: control outputs (relay), zone outputs, standby amplifier bus, power input, audio inputs |
| Distortion. | < 1 % (at 1 kHz) |
| Finish. | Steel plate, surface-treated, 30 % gloss, paint, black, |
| Operating humidity. | 90% or less |
| Operating temperature. | -5°C to +45°C |



VX-3000 Series

VX-3004F

VOICE EVACUATION FRAME 4AB

Appearance