

# VX-3016F

## VOICE EVACUATION FRAME 16SS

The VX-3016F 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 16 speaker line outputs/zones. Either one amplifier drives all 16 line outputs/zones or two amplifiers drive 8 line outputs/zones each. Up to three additional VX-3016F frames without amplifiers can be added to expand the number of zones of the version with one amplifier installed. The amplifier modules can be easily mounted and removed. Up to two power amplifier modules of different wattages can be mounted, of which the second one can either be used for the zones 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-3016F 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-3016F  
Alternative products: VX-3004F, VX-3008F

---

**VX-3016F**

## VOICE EVACUATION FRAME 16SS

## Specifications

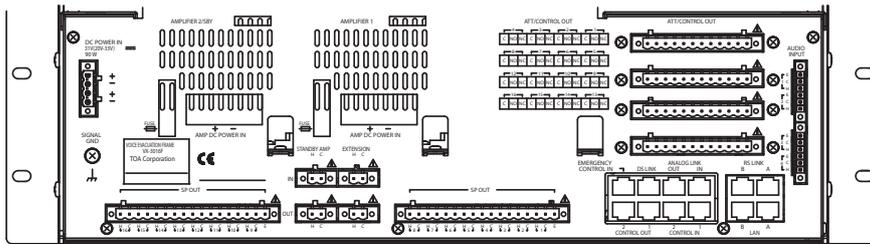
Power source	31 V DC (operating range: 20 – 40 V DC)
Frequency response	40 Hz - 20 kHz ( $\pm 1$ dB)
Distortion	< 1 % (at 1 kHz)
Power consumption	max. 90 W at 31 VDC
S/N ratio	60 dB (or more)
Control input	16 (by contact) + 2 (by 24 VDC polarity change)
Control output	Open collector: 8 + 3 (CPU OFF), Relay (125 VDC, 5 A): 16
Operating humidity	90% or less
Input / Output	Speaker Output: 16 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, extension links, power input, audio inputs
Operating temperature	-5°C to +45°C
Certificates	EN 54-16
Dimensions	482 x 132.6 x 345 mm (W x H x D)
Gross weight	11,1 KG
Finish	Steel plate, surface-treated, 30% gloss, paint, black,
Weight	7.9 kg

# VX-3016F

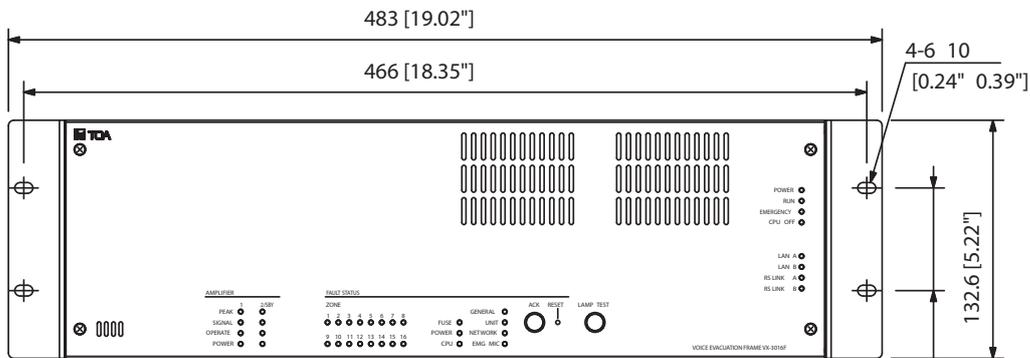
## VOICE EVACUATION FRAME 16SS

### Appearance

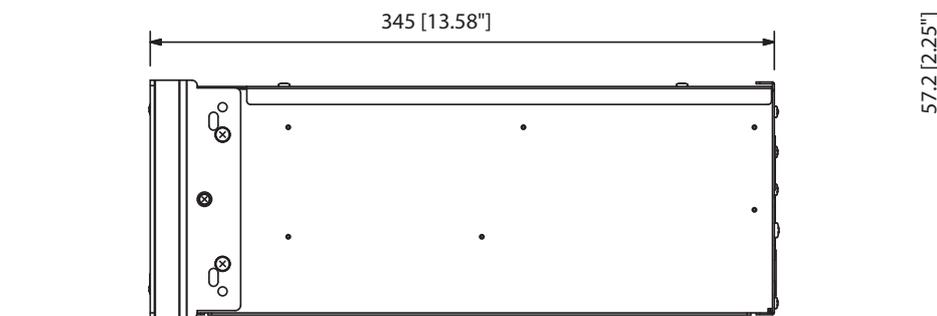
Rear View



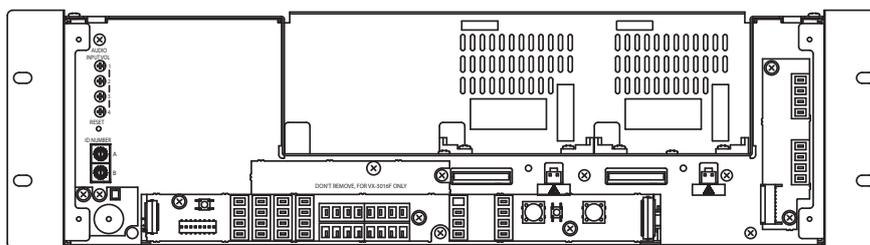
Front View



Side View



Front view without front panel



UNIT:mm SCALE:1/4