

## DESCRIPTION

The VM-4025 is a Voice evacuation system that can be mounted in an EIA standard equipment rack (3U size). It is equipped with audio inputs with volume controls, speaker output with built-in attenuator, 8-output selector, and a battery charger. It is equipped with 2 power amplifiers and features Standby amplifier function and Dual channel broadcast function. Compatible with a dedicated network, allowing a system consisting of up to 10 units with 80 outputs. This system allows for a distributed configuration.

Equipped with a surveillance function that automatically checks for system failures.

It is possible to display the failure status and the signal status of the power amplifier.

## SPECIFICATIONS

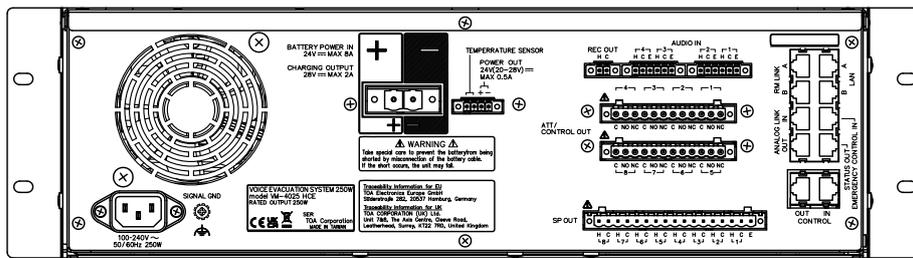
Power Source	100 – 240 V AC 50/60 Hz
Power Consumption	550 W, 250 W (1/8 rated output)
Current consumption when operating on battery	20 A, 8 A (1/8 rated output)
Frequency Response	50 Hz – 20 kHz
Distortion	0.7 % or less
Signal to Noise Ratio	85 dB or more
DC Power Output	24 V (20 – 28 V) 0.5 A max. removable terminal block
Charging Output Current	2 A max.
Applicable Battery	Yuasa: NP24-12I (24 Ah) × 2, removable terminal block (2 pins)
Audio Input	4 inputs sensitivity: -60 dB (*1)/-40 dB (*1)/-20 dB (*1)/0 dB (*1) (changeable with Setting Software) Gain control: volume adjustable with volume control $-\infty$ to 0 dB Input impedance: 47 k $\Omega$ , electronically balanced Phantom Power Supply: 24 V DC, can be set with Setting Software Connector: removable terminal block (6 × 2 pins)
Audio Output	Speaker output 1 – 2: MAX. (250 W) per output Speaker output 3 – 8: MAX. (120 W) per output Speaker output 1 – 8: Total within 250 W, removable terminal block (17 pins) Allowable minimum load: 500 $\Omega$ (20 W) at 100 V line for line failure detection Recording output: 0 dB (*1), 10 k $\Omega$ , unbalanced, removable terminal block (2 pins)
RM Link	Number of connectors: 2 (RM LINK A, RM LINK B) Audio input level: 0 dB (*1) Power feed: MAX 1 A per connector Connector: RJ45 connector Connection cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
LAN A, B (Dedicated network)	Number of connectors: 2 (LAN A, LAN B) Network I/F: 100BASE-TX Network Protocol: TCP, UDP, ARP, ICMP, RTP, IGMPv3, FTP, HTTP, NTP Spanning tree Protocol: RSTP Connection Device: VM-4025, VM-4050, VM-4025WM, Switching HUB Connector: RJ45 connector Connection cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater Number of Stages of Cascade connection: UP to 7 Maximum Cable Distance: 100 m (328.08 ft)
Control Input	16 inputs, no-voltage make contact input, open voltage 24 V DC, Short-circuit current: 2 mA Fault Detection System: Short circuit, Open circuit Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
Emergency Control IN	Input: Isolated voltage input, -30 to 30 V Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
Control Output	General outputs: 8 with CONTROL OUTPUT No-voltage make contact, electrical contact output, control current: 10 mA, withstand voltage: 28 V DC Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
Status Output	Output General Fault, electrical contact output, relay contact (NC, NO, C), control current: 2 mA to 300 mA, withstand voltage: 40 V DC Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater
ATT/Control Output	8 outputs, no-voltage make contact, relay contact (NC, NO, C), Control current: 2 mA to 5 A, withstand: 125 V AC, 40 V DC Connector: Removable terminal block (12 pins) × 2

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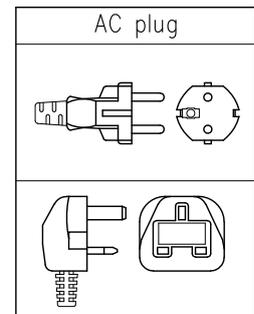
Analog Link	Number of connectors: 1 input, 1 output Connector: RJ45 connector Connection Cable: Shielded Category 5 twisted pair cable (CAT5-STP) or greater Maximum Cable Distance: 800 m (2624.67 ft)
Operation	LCD screen operation key (up, down, left, right) × 1, Standby key × 1, Input volume × 4, Output volume × 8
Indicator	Power indicator (green), CPU indicator (red, green), General Fault indicator (yellow), Emergency indicator (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) × 132.6 (H) × 391.7 (D) mm (18.98" × 5.22" × 15.42")
Weight	13 kg (28.66 lb)
Accessory	Removable terminal plug (2 pins) ...1, Removable terminal plug with thermistor (4 pins) ...1, Removable terminal plug (6 pins) ...2, Removable terminal plug (10 pins) ...2, Removable terminal plug (12 pins) ...2, Removable terminal plug (17 pins) ...1, Battery terminal plug (2 pins) ...1, Fastener hook ...4, Fastener loop ...4, Thermal insulating sheet ...1, Power cord (2 m (6.56 ft)) ...2
Applicable System	VM-4000 Series

(\*1) 0 dB = 1 V

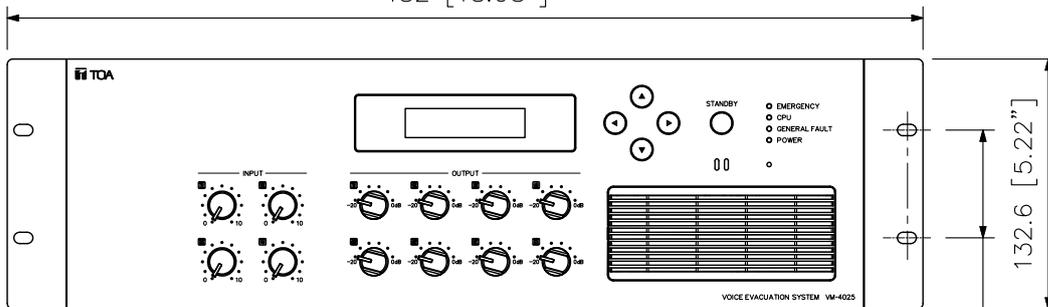
## APPEARANCE



Rear View



482 [18.98"]



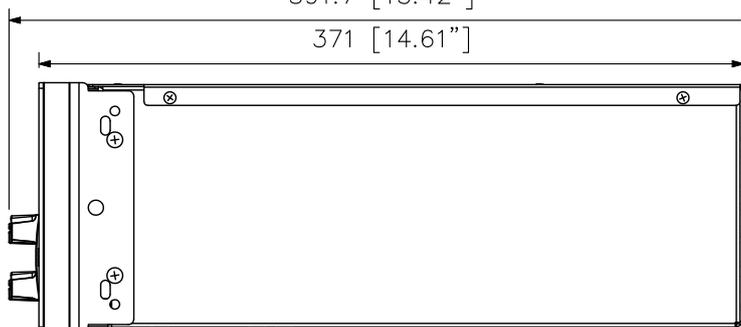
Front View

132.6 [5.22"]

391.7 [15.42"]

371 [14.61"]

57.2 [2.25"]



Side View

UNIT: mm SCALE: 1/4