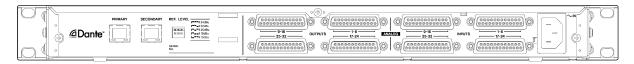


Dec, 2017

# Product Spec Sheet 32ch ANALOG/DANTE CONVERTER

## **ML-32D**





## ■ Specifications

## Ratings

#### Formats

44.1/48 kHz, 16/24 bit 88.2/96 kHz, 16/24 bit

## Input/output ratings

#### PRIMARY/SECONDARY connectors

Connector: RJ-45
Transmission protocol: Dante

Gigabit Ethernet standard: 1000BASE-T (IEEE 802.3ab)
Cables: category 5e or faster STP cables

#### ANALOG OUTPUTS connectors

Connector: D-sub 25-pin

Locking screws: No. 4-40 UNC (inch type)

Nominal output levels: +4 dBu, +6 dBu (only when maximum output level is +15 dBu)

Maximum output levels: +24 dBu, +22 dBu, +20 dBu, +18 dBu, +15 dBu (set by REF. LEVEL switches)

Output impedance: 200  $\Omega$  or lower Applicable load impedance: 2 k $\Omega$  or higher

## ANALOG INPUTS connectors

Connector: D-sub 25-pin

Locking screws: No. 4-40 UNC (inch type)

Nominal input levels: +4 dBu, +6 dBu (only when maximum input level is +15 dBu)

Maximum input levels: +24 dBu, +22 dBu, +20 dBu, +18 dBu, +15 dBu (set by **REF. LEVEL** switches)

Input impedance:  $10 \text{ k}\Omega$  or higher

#### ●0 dBu = 0.775 Vrms

## Audio performance

## ● ANALOG IN ⇒ DANTE OUT

#### Frequency response

+0.1 dB/-0.5 dB: 20 Hz/20 kHz (-16 dBFS input, 44.1/48 kHz sampling frequency, JEITA) +0.1 dB/-0.5 dB: 20 Hz/40 kHz (-16 dBFS input, 88.2/96 kHz sampling frequency, JEITA)

## Distortion (THD+N)

0.001% or less (-1 dBFS input, 1 kHz, 44.1/48/88.2/96 kHz sampling frequency, JEITA)

#### S/N ratio

113 dB or higher (44.1/48/88.2/96 kHz sampling frequency, JEITA)



#### Crosstalk

115 dB or higher (1 kHz, 44.1/48/88.2/96 kHz sampling frequency, JEITA)

#### **●DANTE IN ⇒ ANALOG OUT**

#### Frequency response

+0.1 dB/-0.5 dB: 20 Hz/20 kHz (-16 dBFS input, 44.1/48 kHz sampling frequency, JEITA) +0.1 dB/-1.0 dB: 20 Hz/40 kHz (-16 dBFS input, 88.2/96 kHz sampling frequency, JEITA)

## Distortion (THD+N)

0.001% or less (-1 dBFS input, 1 kHz, 44.1/48/88.2/96 kHz sampling frequency, JEITA)

#### S/N ratio

110 dB or higher (44.1/48/88.2/96 kHz sampling frequency, JEITA)

#### Crosstalk

115 dB or higher (1 kHz, 44.1/48/88.2/96 kHz sampling frequency, JEITA)

## Other

#### Power

AC100-240 V, 50/60 Hz

#### Power consumption

22 W

#### Dimensions (width × height × depth)

 $483 \times 45 \times 303.8 \text{ mm} (W \times H \times D)$ 

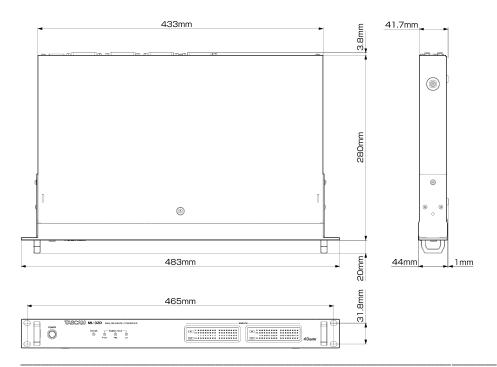
#### Weight

3.5 kg

## Operating temperature range

0-40°C

## ■ Dimensional drawings



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