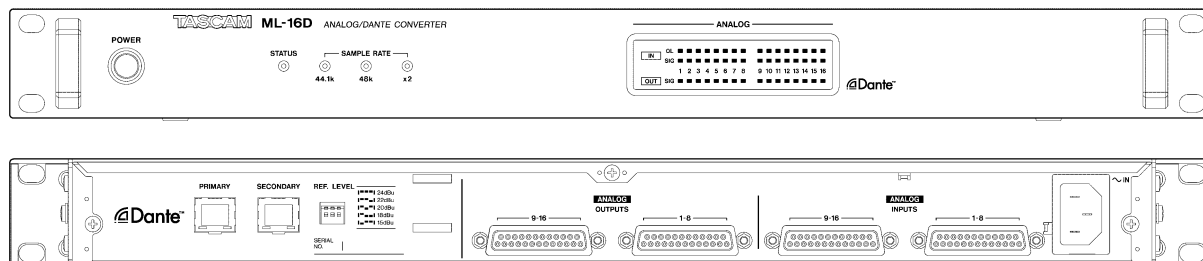


Dec, 2017

Product Spec Sheet

16ch ANALOG/DANTE CONVERTER

ML-16D



■ 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 Ω or lower
Applicable load impedance: 2 k Ω 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 k Ω 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**

14 W

• **Dimensions (width × height × depth)**

483 × 45 × 303.8 mm (W × H × D)

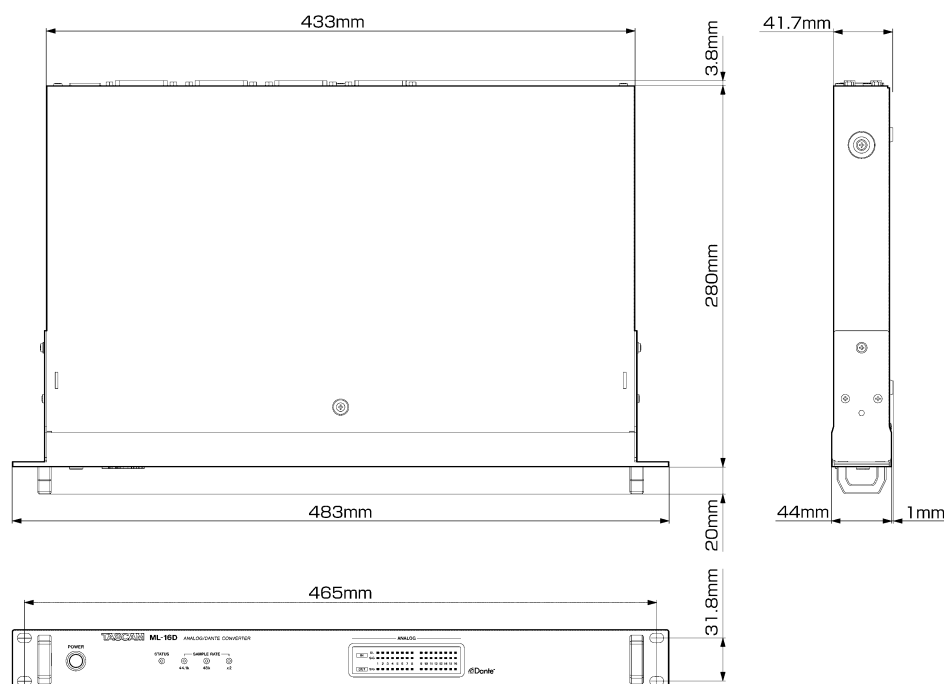
• **Weight**

3.3 kg

• **Operating temperature range**

0–40 °C

■ **Dimensional drawings**



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