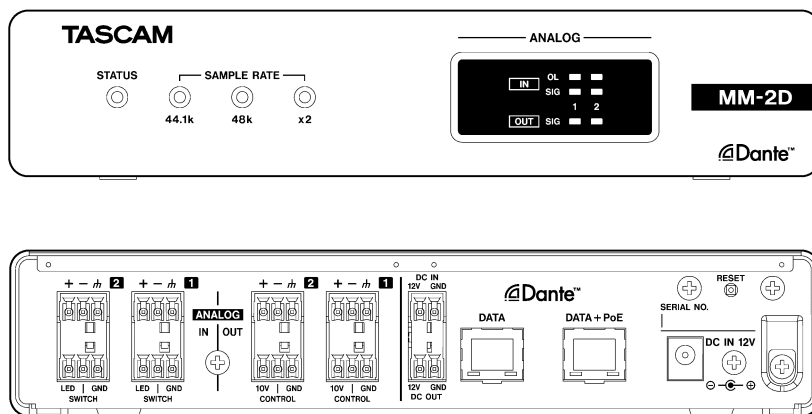


Product Spec Sheet  
AD/DA CONVERTER  
**MM-2D-E**



■ **Specifications**

General

• **Formats and channels**

44.1/48/88.2/96 kHz, 16/24-bit, 2 channels

Input/output ratings

• **DATA/DATA+PoE connectors**

Connector: RJ-45  
 Transmission protocol: Dante  
 Gigabit Ethernet standard: 1000BASE-T (IEEE 802.3ab)  
 Cables: category 5e or faster STP cables

• **ANALOG IN connectors**

Connector: Euroblock (balanced) 3.81 mm pitch  
 Minimum input level: -74 dBu  
 Maximum input level: +26 dBu  
 Input impedance: 2.0 kΩ or higher

• **ANALOG OUT connectors**

Connector: Euroblock (balanced) 3.81 mm pitch  
 Nominal output levels:  
 +4 dBu (when Ref. Level not -9 dBFS)  
 +6 dBu (when Ref. Level set to -9 dBFS)  
 Maximum output level (switchable):  
 +15 dBu (Ref. Level: -9 dBFS)  
 +18 dBu (Ref. Level: -14 dBFS)  
 +20 dBu (Ref. Level: -16 dBFS)  
 +22 dBu (Ref. Level: -18 dBFS)  
 +24 dBu (Ref. Level: -20 dBFS)  
 Output impedance: 200 Ω or lower

● 0 dBu = 0.775 Vrms

**Control input/output****External control connectors (LED/SWITCH)**

Connectors: Euroblock (balanced) 3.81 mm pitch

**LED connectors**Output format: open collector (10  $\Omega$  output impedance, 48 V withstand voltage, 35 mA maximum current)

Low level maximum output voltage: 0.5 V

**SWITCH connectors**

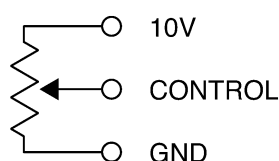
Maximum input voltage: 5.5 V

High level minimum input voltage: 2.31 V

Low level maximum input voltage: 0.99 V

**External control connectors (CONTROL)**

Connectors: Euroblock (balanced) 3.81 mm pitch

10V/CONTROL/GND connectors: Connect variable resistors (10 k $\Omega$  recommended)**Audio performance****● MIC IN ⇒ DANTE OUT****•Mic amp EIN (equivalent input noise)**-125 dBu (150  $\Omega$ , 22 kHz LPF+A, JEITA)**•Frequency response** $\pm 0.5$  dB: 20 Hz – 20 kHz (44.1/48 kHz sampling frequency, JEITA) $\pm 0.5$  dB: 20 Hz – 40 kHz (88.2/96 kHz sampling frequency, JEITA)**•Distortion (THD+N)**

0.005 % (when -1 dBFS input, 44.1/48/88.2/96 kHz sampling frequency, JEITA)

**•S/N ratio**

105 dB (44.1/48/88.2/96 kHz sampling frequency, JEITA)

**•Crosstalk**

100 dB (44.1/48/88.2/96 kHz sampling frequency, JEITA)

**•Dynamic range**

105 dB (44.1/48/88.2/96 kHz sampling frequency, JEITA)

**● DANTE IN ⇒ LINE OUT****•Frequency response** $\pm 0.5$  dB: 20 Hz – 20 kHz (44.1/48 kHz sampling frequency, JEITA) $\pm 0.5$  dB: 20 Hz – 40 kHz (88.2/96 kHz sampling frequency, JEITA)**•Distortion (THD+N)**

0.005 % (when -1 dBFS input, 44.1/48/88.2/96 kHz sampling frequency, JEITA)

**•S/N ratio**

105 dB (44.1/48/88.2/96 kHz sampling frequency, JEITA)

**•Crosstalk**

100 dB (44.1/48/88.2/96 kHz sampling frequency, JEITA)

**•Dynamic range**

105 dB (44.1/48/88.2/96 kHz sampling frequency, JEITA)

Note: JEITA indicates compliance with JEITA CP-2150

**Other****•Power**

PoE class 0

TASCAM PS-P1220E AC adapter (sold separately)

**•Power consumption**

6 W

**•Dimensions**

214 × 44.45 × 136.1 mm (W x H x D, including protrusions)

**•Weight**

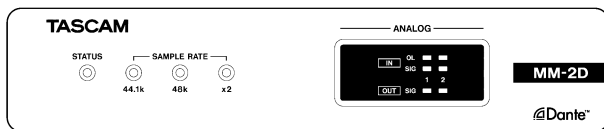
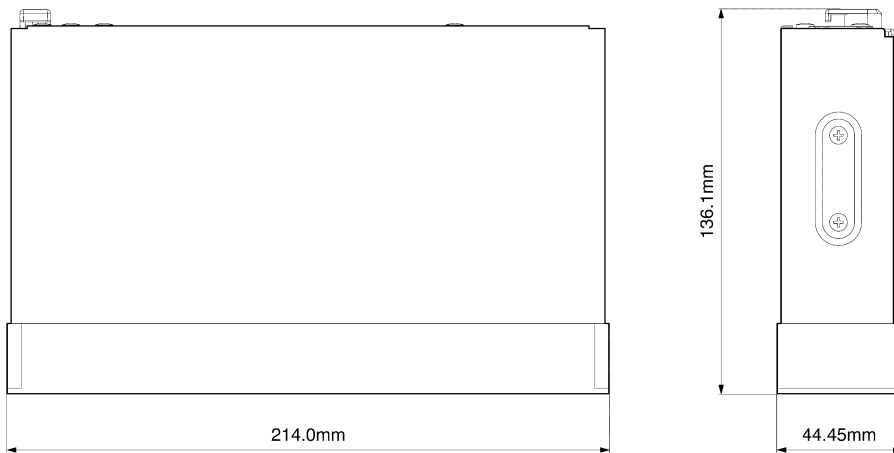
878 g

**•Operating temperature range**

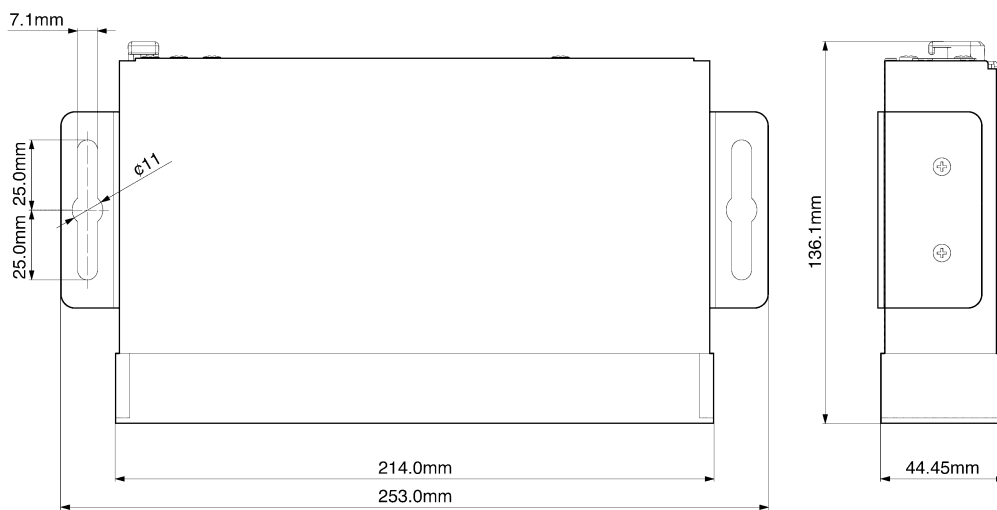
0°C – 40°C

## ■ Dimensional drawings

### • Main unit



### • Main unit with brackets installed



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