Product Spec Sheet
AD CONVERTER
MM-4D/IN-E

Specifications

General

• Formats and channels
  44.1/48/88.2/96 kHz, 16/24-bit, 4 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: -70 dBu
  Maximum input level: +26 dBu
  Input impedance: 2.0 kΩ or higher

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 Ω 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
**Audio performance**

- **MIC IN ➞ DANTE OUT**
  
  - Mic amp EIN (equivalent input noise)
    
    -125 dBu (150 Ω 22 kHz LPF+A, JEITA)
  
  - **Frequency response**
    
    ±0.5 dB: 20 Hz – 20 kHz (44.1/48 kHz sampling frequency, JEITA)
    ±0.5 dB: 20 Hz – 40 kHz (88.2/96 kHz sampling frequency, JEITA)
  
  - **Distortion (THD+N)**
    
    0.003 % (when -1 dBFS input, 44.1/48/88.2/96 kHz sampling frequency, JEITA)
  
  - **S/N ratio**
    
    108 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**
    
    108 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**
  
  7.5 W

- **Dimensions**
  
  214 × 4.45 × 136.1 mm (W x H x D, including protrusions)

- **Weight**
  
  885 g

- **Operating temperature range**
  
  0°C – 40°C
Dimensions of MM-4D/IN-E

- Main unit

- Main unit with brackets installed

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