Specifications

General

- Recording media
  SD cards (512 MB – 2 GB)
  SDHC cards (4 GB – 32 GB)
  SDXC cards (64 GB – 128 GB)
  USB flash drives (512 MB – 64 GB)

- Recording and playback file formats
  MP3: 44.1/48 kHz, 64/128/192/256/320 kbps
  WAV: 44.1/48/96 kHz, 16/24-bit

- Number of channels
  2 channels (stereo)
  1 channel (mono)

Input and output

Analog audio input and output ratings

- Analog input (unbalanced) jacks
  Connectors: RCA pin jacks
  Rated input level: −10 dBV (0.316 Vrms)
  Maximum input level: +6 dBV (2.0 Vrms)
  Input impedance: 10 kΩ or higher

- Analog input (balanced) jacks
  For line
  Nominal input level: +4 dBu (1.23 Vrms, when Ref. Level set to other than −9 dBFS)
  +6 dBu (1.55 Vrms, when Ref. Level set to −9 dBFS)
Maximum input level (switchable): 

- +15 dBu (4.36 Vrms, Ref. Level: -9 dBFS)
- +18 dBu (6.16 Vrms, Ref. Level: -14 dBFS)
- +20 dBu (7.75 Vrms, Ref. Level: -16 dBFS)
- +22 dBu (9.76 Vrms, Ref. Level: -18 dBFS)
- +24 dBu (12.28 Vrms, Ref. Level: -20 dBFS)

Input impedance:
10 kΩ or higher

For mic (phantom power supported)

- Maximum input level: +4 dBu (1.23 Vrms)
- Minimum input level: -70 dBu (245 μVrms) or higher
- Input impedance: 2.2 kΩ or higher

• Analog output (unbalanced) jacks

  Connectors: RCA pin jacks

  Rated output level: -10 dBV (0.316 Vrms)

  Maximum output level: +6 dBV (2.0 Vrms)

  Output impedance: 200 Ω

• Analog output (balanced) jacks


  Nominal output level: +4 dBu (1.23 Vrms, when Ref. Level set to other than -9 dBFS)

  +6 dBu (1.55 Vrms, when Ref. Level set to -9 dBFS)

  Maximum output level (switchable):

  - +15 dBu (4.36 Vrms, Ref. Level: -9 dBFS)
  - +18 dBu (6.16 Vrms, Ref. Level: -14 dBFS)
  - +20 dBu (7.75 Vrms, Ref. Level: -16 dBFS)
  - +22 dBu (9.76 Vrms, Ref. Level: -18 dBFS)
  - +24 dBu (12.28 Vrms, Ref. Level: -20 dBFS)

  Output impedance: 200 Ω

• Phones jack

  Connector: 6.3 mm (1/4") standard stereo jack

  Maximum output level: 45 mW + 45 mW or higher (THD+N 0.1% or less, into 32 Ω load)

Digital audio input/output ratings

• Digital input (AES/EBU) jack

  Connector: XLR–3–31

  Input impedance: 110 Ω


  Supported sampling frequencies: 44.1, 48, 96 kHz

  When SRC ON, 32 kHz – 192 kHz can be received

• Digital input (S/PDIF) jack

  Connector: RCA pin jack

  Format: IEC60958–3

  Supported sampling frequencies: 44.1, 48, 96 kHz

  When SRC ON, 32 kHz – 192 kHz can be received

• Digital output (AES/EBU) jack

  Connector: XLR–3–32

  Output impedance: 110 Ω


  Supported sampling frequencies: 44.1, 48, 96 kHz

• Digital output (S/PDIF) jack

  Connector: RCA pin jack

  Format: IEC60958–3
Control input/output

- **Remote jack**
  
  Connector: 2.5 mm (3/32") TRS jack (for TASCAM RC-3F or RC-20 (sold separately))

- **USB port**
  
  Connector: 4-pin USB A–type
  
  Protocol: USB 2.0 HIGH SPEED (480 Mbps)

- **RS-232C connector**
  
  D–sub 9–pin

- **Parallel connector**
  
  D–sub 25–pin
  
  Maximum input voltage: +5.5 V
  
  High level minimum input voltage: +2.31 V
  
  Low level minimum input voltage: +0.99 V
  
  Output format: Open collector (10 Ω output impedance, 20 V withstand voltage, 35 mA maximum)
  
  Low level maximum output voltage: 0.5 V
  
  +5V power supply maximum supplied current: 100 mA

- **Ethernet connector**
  
  Connector: RJ45
  
  Compatible standard: 100BASE-TX

**NOTE**

- **Encryption protocol standards**
  
  - SSLv3/TLSv1 supported
  
  - TLSv1 support includes TLSv1.0/1.1/1.2
  
  - Encryption algorithms: ARC4 (RC4), DES, 3DES, AES
  
  - Hash algorithms: MD5, SHA1, SHA256

Audio performance

- **Frequency response**
  
  20 Hz – 20 kHz: ±0.5 dB (LINE IN or MIC IN to LINE OUT, Fs = 44.1/48 kHz, JEITA)
  
  20 Hz – 40 kHz: +0.5/–3 dB (LINE IN or MIC IN to LINE OUT, Fs = 96 kHz, JEITA)

- **Distortion**
  
  0.002% or less (LINE IN to LINE OUT, Ref. Level: –16 dBFS, Fs = 44.1/48/96 kHz, JEITA)

- **S/N ratio**
  
  106 dB or more (LINE IN to LINE OUT, Fs = 44.1/48/96 kHz, JEITA)

- **Dynamic range**
  
  106 dB or more (LINE IN to LINE OUT, Fs = 44.1/48/96 kHz, JEITA)

- **Crosstalk between channels**
  
  100 dB or more (LINE IN to LINE OUT, Fs = 44.1/48/96 kHz, JEITA)

- **Equivalent input noise (EIN)**
  
  –125 dBu or less (150 Ω, 20 kHz LPF, A–weighted)

Note: JEITA indicates compliance with JEITA CP-2150

Other

- **Power**
  
  AC 100–240 V, 50–60 Hz

- **Power consumption**
  
  20 W

- **Dimensions**
  
  482.6 × 45 × 300.5 mm (W x H x D)
- Weight
  2.9 kg
- Operating temperature range
  5°C – 35°C

**Dimensional drawings**

- Weight:
  2.9 kg
- Operating temperature range:
  5°C – 35°C

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