Product Spec Sheet
Solid State/CD Recorder
SS-CDR250N

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)
  CD-R, CD-R-D A, CD-RW, CD-RW-D A
  (12 cm (650 MB / 700 MB) only, High Speed supported for CD-RW)
- 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
  CD-DA: 44.1 kHz, 16-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
  Connectors: XLR-3-31 (1: GND, 2: HOT, 3: COLD)
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
Connectors: XLR−3−32 (1: GND, 2: HOT, 3: COLD)
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
Format: AES3−2003/IEC60958−4 (AES/EBU)
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
Format: AES3−2003/IEC60958−4 (AES/EBU)
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 (female, inch-standard)
- Parallel connector
  D-sub 25-pin (female, inch-standard)
  Maximum input voltage: +5.5 V
  High level minimum input voltage: +2.31 V
  Low level maximum 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
  +5 V 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
  When using RC-SS150, IF-DA2
  22 W
- Dimensions
  482.6 × 45 × 300.5 mm (W x H x D)
**Weight**  
3.2 kg  

**Operating temperature range**  
5°C – 35°C  

**Dimensional drawings**