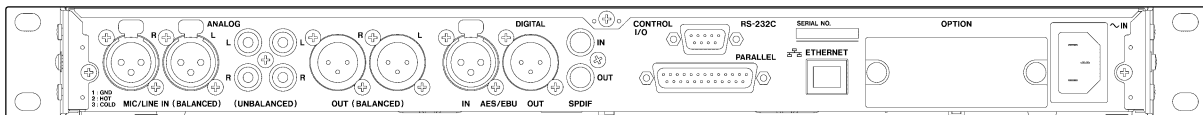


Product Spec Sheet
Solid State Recorder
SS-R250N



■ **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 – 128 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**

- 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 k Ω or higher
For mic (phantom power supported)	
Maximum input level:	+4 dBu (1.23 Vrms)
Minimum input level:	-70 dBu (245 μ Vrms) or higher
Input impedance:	2.2 k Ω 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

•Parallel connector

D-sub 25-pin

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
+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, $F_s = 44.1/48$ kHz, JEITA)
20 Hz - 40 kHz: $+0.5/-3$ dB (LINE IN or MIC IN to LINE OUT, $F_s = 96$ kHz, JEITA)

•Distortion

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

•S/N ratio

106 dB or more (LINE IN to LINE OUT, $F_s = 44.1/48/96$ kHz, JEITA)

•Dynamic range

106 dB or more (LINE IN to LINE OUT, $F_s = 44.1/48/96$ kHz, JEITA)

•Crosstalk between channels

100 dB or more (LINE IN to LINE OUT, $F_s = 44.1/48/96$ 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)

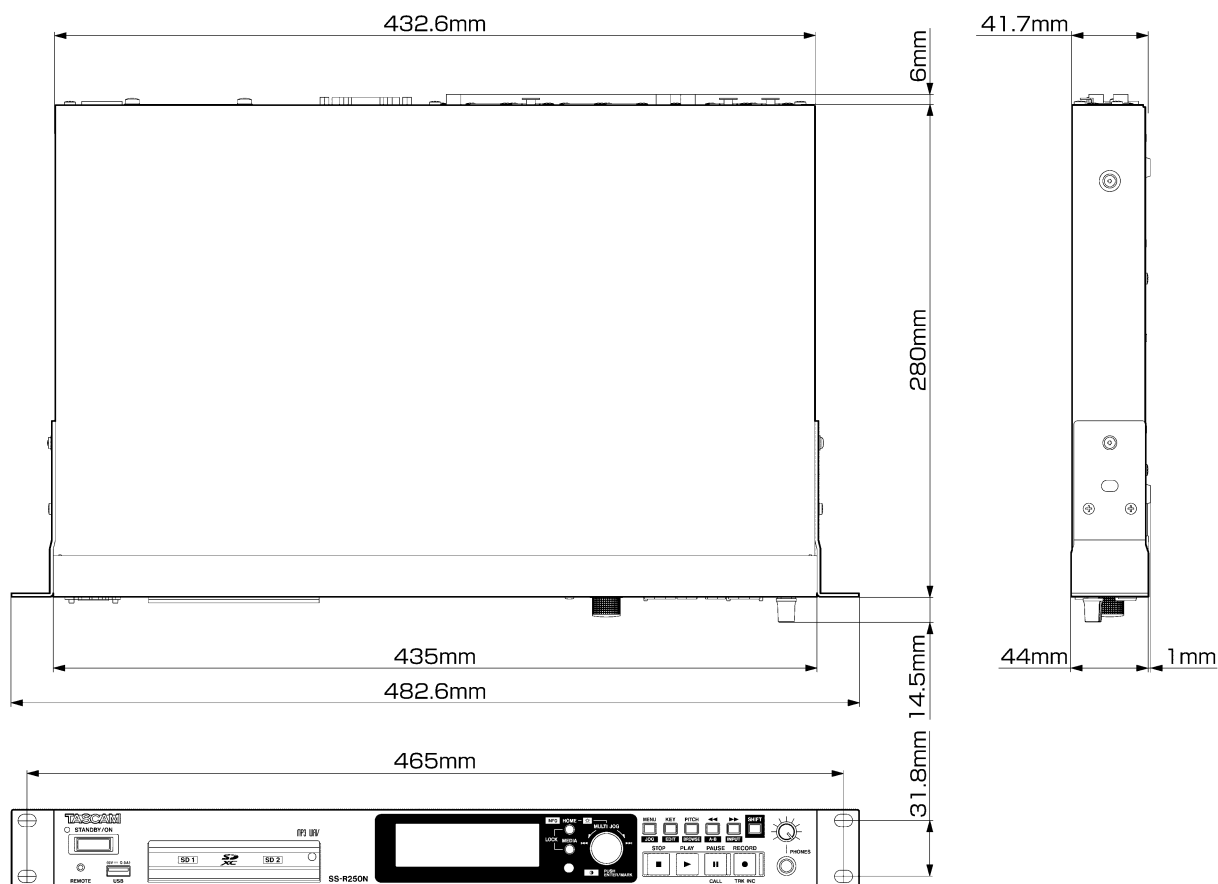
•Weight

2.9 kg

•Operating temperature range

5°C – 35°C

■ Dimensional drawings



※TASCAM is trademark of TEAC CORPORATION, registered in the U.S. and other countries.

※Other company names, product names and logos are the trademarks or registered trademarks of their owners.

※Specifications and appearance are subject to change without notice.

※All information included in this document is as of May, 2023.