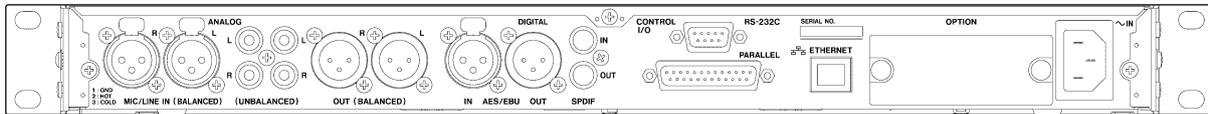


Product Spec Sheet  
Solid State Recorder  
**SS-R250N**



■ **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 – 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**

- 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 $\Omega$ or higher
<b>For mic (phantom power supported)</b>	
Maximum input level:	+4 dBu (1.23 Vrms)
Minimum input level:	-70 dBu (245 $\mu$ Vrms) or higher
Input impedance:	2.2 k $\Omega$ or higher
<b>•Analog output (unbalanced) jacks</b>	
Connectors:	RCA pin jacks
Rated output level:	-10 dBV (0.316 Vrms)
Maximum output level:	+6 dBV (2.0 Vrms)
Output impedance:	200 $\Omega$
<b>•Analog output (balanced) jacks</b>	
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 $\Omega$
<b>•Phones jack</b>	
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 $\Omega$ load)
<b>Digital audio input/output ratings</b>	
<b>•Digital input (AES/EBU) jack</b>	
Connector:	XLR-3-31
Input impedance:	110 $\Omega$
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	
<b>•Digital input (S/PDIF) jack</b>	
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	
<b>•Digital output (AES/EBU) jack</b>	
Connector:	XLR-3-32
Output impedance:	110 $\Omega$
Format:	AES3-2003/IEC60958-4 (AES/EBU)
Supported sampling frequencies:	44.1, 48, 96 kHz
<b>•Digital output (S/PDIF) jack</b>	
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  $\Omega$  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:  $\pm 0.5$  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  $\Omega$ , 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)

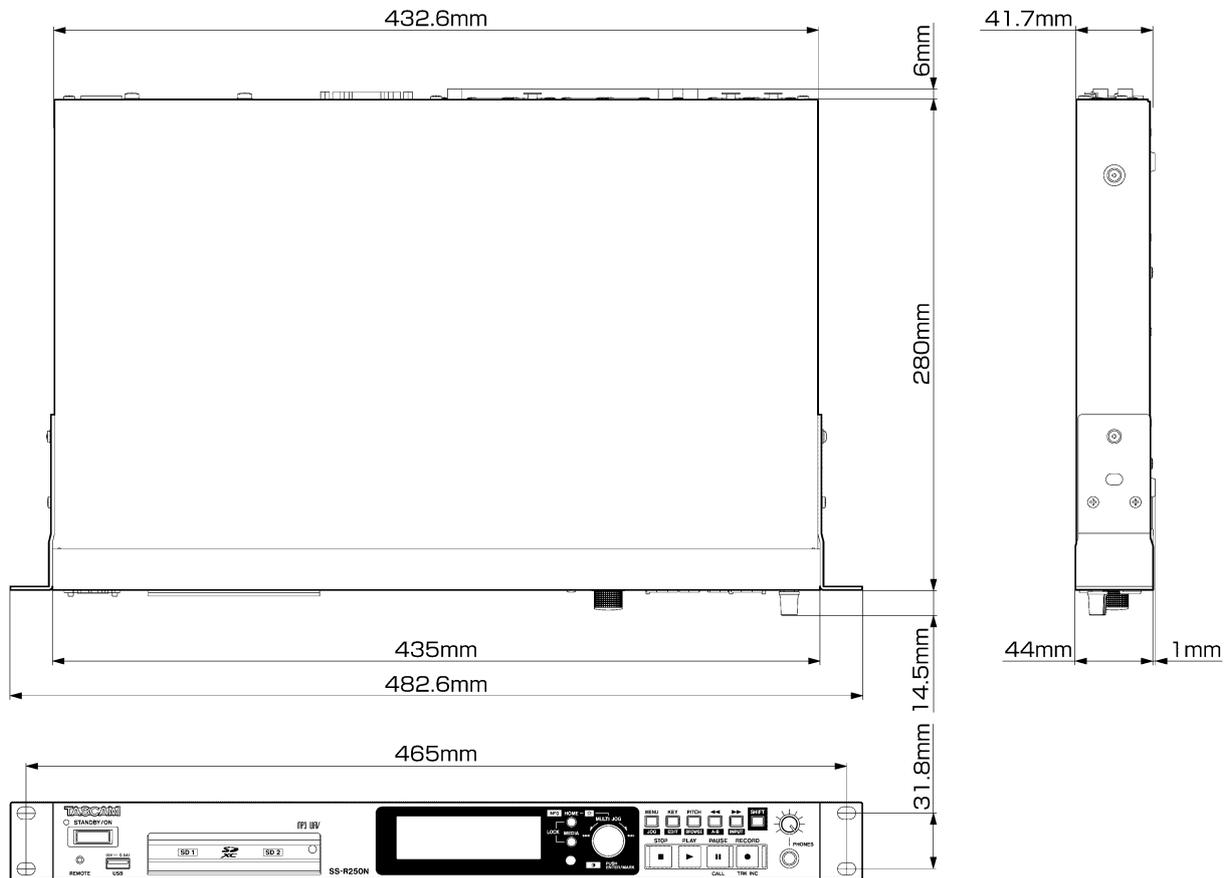
•Weight

2.9 kg

•Operating temperature range

5°C – 35°C

■ Dimensional drawings



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