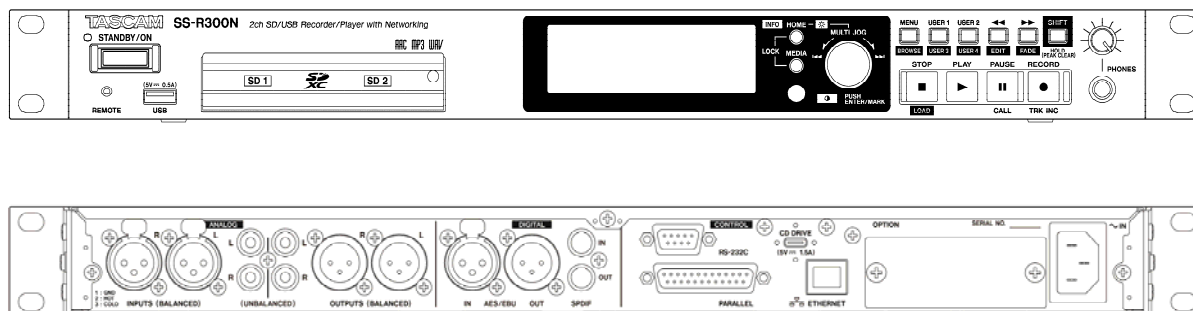


Oct, 2026

Product Spec Sheet

SS-R300N

SOLID STATE RECORDER



■ Specifications and ratings

General

•Recording media

- 2 SD card slots, 1 USB port
- SD cards (512 MB – 2 GB)
- SDHC cards (4 GB – 32 GB)
- SDXC cards (64 GB – 512 GB)
- USB flash drives (512 MB – 512 GB)

NOTE

Media must be formatted as FAT16, FAT32 or exFAT.

•Recording file formats

- MP3: 44.1/48 kHz, 64/128/192/256/320 kbps
- WAV: 44.1/48/96 kHz, 16/24-bit

•Playback file formats

- CD-DA: 44.1 kHz, 16bit
- AAC: 44.1/48kHz, 32–320kbps, VBR (MPEG Extended HE-AAC (Audio stream), DRM not supported)
- 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 k Ω 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

•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 signal voltage amplitude:	0.2-7.0 Vp-p
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
Input signal voltage amplitude:	0.2-0.6 Vp-p
Input impedance:	75 Ω
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 voltage:	2.0-7.0 Vp-p
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
Output voltage:	0.5 $\pm$ 0.1 V _{p-p}
Output impedance:	75 Ω
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))
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•USB port

Connector:	4-pin USB A-type
Protocol:	USB 2.0 High-Speed (480 Mbps)
Operation mode:	dedicated host
Power supply capacity:	DC 5V max. 0.5A

•CD DRIVE port

Connector:	USB Type-C (screw lock supported)
Protocol:	USB 2.0 High-Speed (480 Mbps)
Operation mode:	dedicated host
Power supply capacity:	DC 5V max. 1.5A (USB Type-C 1.5A current conforming)

•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, 20V withstand voltage, 35mA 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

Supported application protocols

- Telnet
- OSC (Open Sound Control)
- SNTP client
- FTP server
- FTP client
- SFTP (SSH FTP) server
- SFTP (SSH FTP) client
 - SSH version 2 supported
 - SSH file transfer protocol (version 3) supported
 - Supported keys: ECDSA 256/384/521-bit, RSA 2048/3072-bit
 - Supported key file formats:
 - SFTP server (SFTPd) functions
 - SFTPd host ECDSA private key: PEM format / SEC1
 - SFTPd host RSA private key: PEM format / PKCS#1
 - SFTPd client public key: RFC4716
 - SFTP client (SFTPc) function
 - SFTPc client ECDSA private key: PEM format / SEC1
 - SFTPc client RSA private key: PEM format / PKCS#1
 - SFTPc client public key: RFC4716

- FTPS (FTP over SSL/TLS) client
 - Explicit mode supported
 - Encryption protocol standards
 - TLS 1.2 and 1.3 supported
 - TLS 1.2 supported encryption suite:
 - TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384
 - TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256
 - TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384
 - TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256
 - TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256
 - TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256
 - TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA
 - TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA
 - TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA
 - TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA
 - TLS_RSA_WITH_AES_256_CBC_SHA
 - TLS_RSA_WITH_AES_128_CBC_SHA
 - TLS_RSA_WITH_3DES_EDE_CBC_SHA
 - TLS 1.3 supported encryption suite:
 - TLS_AES_128_GCM_SHA256
 - TLS_AES_256_GCM_SHA384
 - TLS_CHACHA20_POLY1305_SHA256

▪ **Infrared receiver**

RC-10 (wireless remote control)

Audio performance

▪ **Frequency response**

20 Hz – 20 kHz: +/-0.5 dB (LINE IN to LINE OUT, $F_s = 44.1/48$ kHz, JEITA)

20 Hz – 40 kHz: +0.5/-3 dB (LINE 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)

Note: JEITA indicates compliance with JEITA CP-2150

Other

▪ **Power**

AC 100-240V, 50/60 Hz

▪ **Power consumption**

When using RC-SS150, IF-DA2: 29W

When power is off (when in standby mode): 0.4 W

Time until switching to standby mode: 20 min (Europe only)

NOTE

The power of this unit cannot be completely turned off.

To completely stop power, disconnect the power plug.

•Dimensions

482.6 × 45 × 300.5 mm (W x H x D)

•Weight

3.1 kg

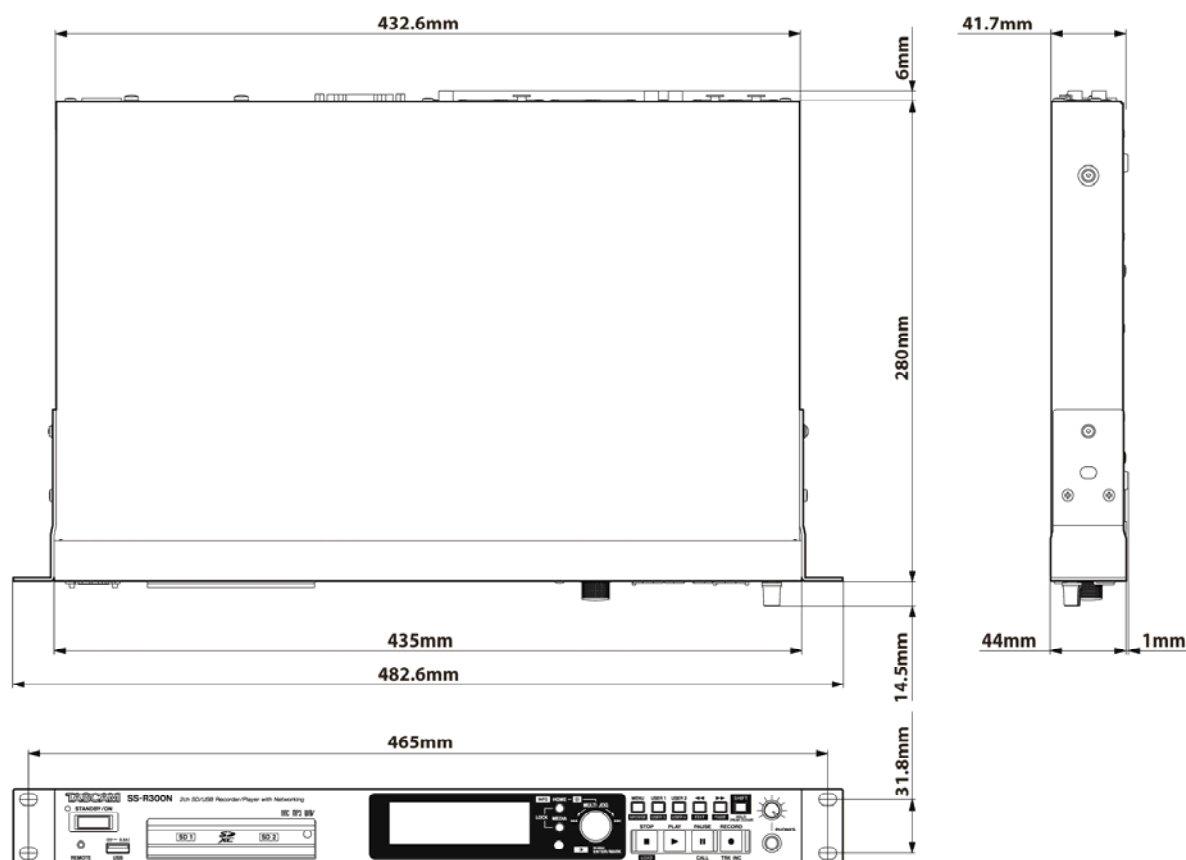
•Operating temperature range

5 – 35°C (41 – 95° F)

•Operating humidity range

25 – 85%RH (at 32°C, without condensation)

■ Dimensional drawings



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※All information included in this document is as of Oct, 2026.