

TASCAM

Product information

DSD Multitrack Recorder DS-D98



The DS-D98 is a DTRS recorder which supports Sony's Direct Stream Digital™ format for production of the Super Audio CD (SACD). Based on the popular DA-98HR high-resolution DTRS recorder the DS-D98 is the only tape-based machine capable of DSD recording and can be configured in both DSD two-track and PCM multitrack formats. The DS-D98 is

easy to integrate into any DTRS environment: It is fully compatible with existing DTRS recordings and may be branched together with other DTRS recorders (up to 256 in total).

Main features

- Selectable modes: DSD 2-track or PCM multitrack (up to 8 tracks)
- The only tape-based machine capable of high-resolution DSD recording
- Sony SDIF-3 digital I/O
- Direct conversion between DSD and analogue signals and vice versa
- newly-developed VCXO PLL reduces jitter rate and improves sonic performance
- OS-CON condenser improves sonic performance by decoupling the power supply circuitry from the audio circuitry
- Sync Branch function allows chaining and joint control of up to 256 DTRS recorders (DA-38, DA-88, DA-98, DA-78HR, DA-98HR, DS-D98)

Options:

- IF-AN98HR Analog I/O board (PCM Mode only)
- MU-8824 24ch meter bridge (PCM Mode only)
- RC-898 Remote Controller
- RC-828 Remote Controller
- All other features see DA-98HR

Specifications

Audio characteristics

Frequency response	These figures are measured with the I/O Clock Range set to Narrow (see 6.1.3, "Clock range with slot board" in the main manual: 10Hz to 20kHz ± 0.5 dB 10Hz to 50kHz -3 dB (± 1 dB)
Distortion	A/D: 0.005% (1kHz, AES-17 filter) D/A: 0.0018% (1kHz, AES-17 filter)
S/N ratio	A/D: >102 dB (1kHz, AES-17 filter and A-weighting) D/A: >112 dB (1kHz, AES-17 filter and A-weighting)
Dynamic range	A/D: >102 dB (1kHz, AES-17 filter and A-weighting) D/A: >111.7 dB (1kHz, AES-17 filter and A-weighting)
Channel separation	A/D: >95 dB (1kHz) D/A: >112 dB (1kHz)

Analogue input and output terminals

Input	XLR-3-31 type (x 2)
Nominal level	+4dBu
Reference level	-16 dBFS*, -18 dBFS, -20 dBFS
Maximum level	+20dBu*, +22dBu, +24dBu (jumper-selectable)
Nominal impedance	15k ohm
Output	XLR-3-32 type (x 2)
Nominal level	+4dBu
Reference level	-16 dBFS*, -18 dBFS, -20 dBFS
Maximum level	+20dBu*, +22dBu, +24dBu (jumper-selectable)
Nominal impedance	30 ohm
	*Factory setting

Digital input and output terminals

Input	BNC (x 2), SDIF-3 format
Output	BNC (x 2), SDIF-3 format
Monitor output	XLR-3-32 type, AES/EBU format (fs=44.1kHz)

Power supply and other specifications

Power requirements	AC120V (60Hz) / AC230V (50Hz)
Power consumption	62W
Dimensions (W x H x D)	482 mm x 176 mm x 356 mm
Weight	11kg

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