Preliminary information
Shipping August 2008

TASCAM ⏩

HD-R1
Technical Documentation

PRODUCT OVERVIEW

The HD-R1 Professional Solid State Recorder is a two-channel, recording and playback device using Compact Flash Card as its storage medium.

The HD-R1 records in WAV or MP3 files (mono or stereo) at sample rates 44.1/48/88.2/96 kHz; 16 or 24 bit. Remote control ability is provided via RS-232, Parallel, and RJ45 100M/bit Ethernet.   File transfer is accomplished via Ethernet or USB (type "A" connector).

The HD-R1 provides two channels of Mic preamps with a 20dB pad and phantom power (rear panel selectable). In addition, unbalanced (RCA), balanced (XLR and Euroblock), and S/PDIF Digital (Coaxial & Optical) I/O is included.   Traditional source device features are Power-on-Play, Front Panel Rotary Input Level Controls, Headphone Jack w/level control, and a variety of Playback Modes.

MSRP - $1,299.00

Compact Flash Card (Supports Type I and Type II)

USB host interface for USB Flash Cards (file transfer and USB computer keyboard use only)

Audio data formats: PCM (16/24bit), WAV and MP3

Sampling rates: 44.1, 48, 88.2 and 96 KHz

Mic/Line XLR (with 20dB pad) balanced I/O

Phantom Power (+ 48V rear panel switch and front LED panel indicator)

Euroblock terminal (Input and Output)

Unbalanced RCA (Input and Output)

Front panel rotary input level controls

RS-232 interface for control

Ducking (input and playback)

RJ45 100Mbit/s Ethernet interface for file transfer and control.

D-sub25 parallel remote control interface

16 Direct Play via D-Sub25 pin parallel interface

Power on play (front panel selectable)

S/PDIF Digital In/Out (Coaxial & Optical)

Headphone Jack w/level control

Input through and Auto Fade function

Input monitoring / mixing of live stereo input along with playback

Program Play, Folder Play, Shuffle Play, Interval Play Modes etc…

Internal real-time clock. (File carries its creation date and time.)

None available.

Compact Flash card	44.1 kHz mono 32 bps MP3	44.1 kHz stereo 128 bps MP3	44.1 kHz stereo 16-bit WAV	96 kHz stereo 24-bit WAV
512 MB	35 hours	8.75 hours	0.8 hours	0.25 hours
1 GB	70 hours	17.5 hours	1.6 hours	0.5 hours
4 GB	280 hours	70 hours	6.5 hours	2 hours
8 GB	560 hours	140 hours	13 hours	4 hours
16 GB	1120 hours	280 hours	26 hours	8 hours

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All features, pricing, and specifications are subject to change without notice. Contact your local TASCAM representative for the latest information.   2

TASCAM HD-R1

Specifications

Applicable Recording Media:	Compact Flash
Recording Format:	WAV, MP3
Quantization:	16/24 bit liner, MP3
Sampling Frequency:	44.1/48KHz

MIC/LINE INPUT
Connector:	XLR-3-31 (1: GND, 2: HOT, 3: COLD), balanced
	Euro Block Terminal, balanced

LINE INPUT
Connector:	RCA, unbalanced

LINE OUTPUTS
Connector:	XLR-3-32 (1: GND, 2: HOT, 3: HOT), balanced
	Euro Block Terminal, balanced
Connector:	RCA, unbalanced

COAXIAL INPUT
Connector:	RCA
Format:	IEC60958-2 (S/PDIF)
Quantization:	16/24-bit

COAXIAL OUTPUT
Connector:	RCA
Format:	IEC60958-2 (S/PDIF)
Quantization:	16/24-bit

HEADPHONE OUTPUT:
Connector:	1/4" Stereo Phone Jack

Serial Control
Connector:	D-sub 9 pin

Parallel Control
Connector:	D-sub 25 pin

LAN
Connector:	RJ45

USB
Connector:	USB A-type

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