General

Recording media	CompactFlash cards
File system	FAT32
File format	BWF (single-channel, multi-channel)
Number of audio channels	8 channels at 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz 8 channels + stereo mix at 44.1 kHZ, 48 kHz 4 channels at 176.4 kHz, 192 kHz
Quantization bit rates	16 bit/24 bit
Sampling frequencies	44.1/47.952/48/48.048/88.2/96/176.4/192 kHz (47.952/48.048: 48 kHz ± 0.1% pull-up/pull-down)
Reference clock	Internal, Word in, Video in, Digital in (CH 1-2, CH 3-4, CH 5-6, CH 7-8)
Timecode frame rates	23.976, 24, 25, 29.97 DF, 29.97 NDF, 30 DF, 30 NDF

Analogue audio inputs and outputs

MIC IN/LINE IN connectors (1–8)	XLR-3-31 (1: GND, 2: HOT, 3: COLD)
Nominal input level (LINE)	+ 6 dBu (Ref. level: –9 dB) + 4 dBu (Ref. level: Other than –9 dB)
Maximum input level (LINE)	Selectable: +15 dBu, +18 dBu, +20 dBu, + 22 dBu, +24 dBu
Minimum input level (MIC –25/0)	–45 dBu / –70 dBu
Maximum iput level (MIC –25/0)	+11 dBu / –14 dBu
LINE OUT connectors (L/R)	XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Nominal output level	+6 dBu (Ref. level: –9 dB) +4 dBu (Ref. level: Other than –9 dB)
Maximum output level	Selectable: +15 dBu, +18 dBu, +20 dBu, +22 dBu, +24 dBu
PHONES connector	6.3-mm stereo phone jack
Maximum output power	100 mW + 100 mW or more (THD+N: 1 % or less, 32 Ohm)

Digital audio inputs and outputs

DIGITAL I/O connector	D-Sub, 25-pin connector
Format	AES3-2003/IEC60958-4 (AES/EBU)
Minimum input voltage	200 mVpp
Maximum input voltage	7 Vpp
Output voltage	3.5 Vpp
DIGITAL OUT connectors	BNC
Format	AES3-2003/AES-3id-2001 (AES/EBU)
Output voltage	1 Vpp at 75 Ohm

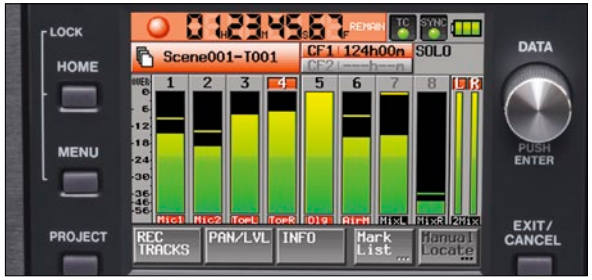
Audio performance

Frequency response (MIC/LINE IN to LINE OUT)	
All sample rates	20 Hz – 20 kHz, 0 dB (±0.5 dB)
88.2/96 kHz sample rates	at 40 kHz –1 dB (±1.0 dB)
176.4/192 kHz sample rates	at 80 kHz –3 dB (+1/–2 dB)
Distortion	
LINE IN to LINE OUT	0.003 % or less
MIC IN to LINE OUT	0.02 % or less
S/N ratio	
LINE IN to LINE OUT	110 dB(A) or more (22 kHz LPF)
MIC IN (MIC –25 or MIC 0) to LINE OUT	100 dB(A) or more (22 kHz LPF)

Power supply and other specifications

Power requirements	100–240 V AC, 50–60 Hz (AC adaptor PS-1225L) 10 AA batteries (Alkaline or NiMH) External DC battery (DC 11–16 V, 2 A or more)
Power consumption	18 W
Dimensions (W x H x D)	270 mm x 100 mm x 260 mm (excluding protrusions)
Weight	3.65 kg (excluding batteries)

Two CompactFlash cards for reliable data storage along with several means of power supply and comprehensive syncing capabilities



Full-colour touchscreen with dedicated keys and data wheel, providing intuitive operation and clear display of important parameters

Optional accessory: RC-F82 fader unit

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FIELD RECORDER HS-P82

THE ART OF MOBILE RECORDING STARTS WITH THE RIGHT TOOL

TASCAM®
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TASCAM HS-P82 — Your out-of-doors studio recorder

The **HS-P82** has been designed for on-location surround and multi-track recording in radio, television and film productions. It offers eight tracks of supreme quality recording, and with its robust storage media and touchpanel operation, it's well prepared for the tough demands of field recording. Eight microphone inputs with switchable phantom power and analogue limiters provide you with an ideal solution that's equally at home at big film shootings or reality programmes. For extra protection, the unit features recessed level controls on the front panel. In addition to the eight individual tracks, you can simultaneously record a stereo mixdown for direct editing.

Audio is recorded at sampling rates of up to 192 kHz with 24 bit quantization in WAV format, using a pair of CompactFlash cards which can be written in parallel for additional security. The Broadcast WAV files produced contain iXML format metadata, ensuring that they can be read and edited by practically any video or audio editing system.

For ultra-high resolution recording, the HS-P82 offers a set of AES/EBU inputs and outputs, allowing the connection of external A/D converters or pre-amplifiers. SMPTE timecode I/O as well as video and wordclock connectors are also provided.

Thanks to several different means of power supply, the HS-P82 is always ready to record.

Tascam's flagship of production recorders is based on 30 years of experience in field recordings. Go and see for yourself how affordable the state of the art can be. Try out the new HS-P82.

- Dual CompactFlash recording media supports backup, mirroring and seamless A/B recording*
- Long battery life through low power usage
- Easy to read and operate using pivoting TFT colour touch panel interface
- All-aluminum chassis is rugged yet lightweight
- 8 -track recording plus stereo mix for a total of 10-track recording
- 8-track recording at up to 96 kHz/24 bit
- 4-track recording at 192 kHz/24 bit
- Broadcast WAV (BWF) support with iXML metadata
- Various power options: AA batteries (x10), NP type batteries, AC adapter (included as standard), External DC input, Optional V-mount adaptor for Endura batteries
- Pre-record buffer (up to 5 seconds)
- Internal microphone for slate recording
- Limiter and low-cut filter per track
- Auto or manual cue points
- Alert signal to headphone output
- Retake function
- Panel lockout function to prevent accidental transport switching
- Inputs/Outputs
- 8 high-quality microphone preamps and A/D converters with independent 48V phantom power for each (standard XLR connectors)
- 8 AES/EBU inputs and outputs (DB-25 connector)
- Sampling rate converter on each AES/EBU input
- 2 balanced analogue outputs (XLR connectors)
- Stereo digital output (BNC connector)
- SMPTE Timecode input and output (BNC connector)
- Video/Word Clock/Cascade input/ output (BNC connector)
- Headphones output (6.3-mm stereo jack)
- PS/2 keyboard input for track naming
- USB 2.0 high-speed data transfer to PC

* Seamless Record and Mirroring modes with future firmware update

RC-F82 – Optional fader unit for HS-P82

Offers intuitive operation of the HS-P82 in virtual any recording environment with the aid of faders and rotary controls as well as transport and shortcut buttons. A talkback facility with built-in microphone is also available.