TASCAM®
TEAC PROFESSIONAL

DP-24
Digital Portastudio

The DP-24 is a 24-track Digital Portastudio with solid-state recording, a colour LCD and channel strip controls to make recording simple so you stay creative. Up to eight tracks can be recorded at a time through its combination XLR and 6.3-mm combo jacks. Input processing like compression and limiting are available during recording, as well as guitar amp simulation and multi-effects for use with the instrument-level input.

Once recorded, tracks can be viewed on the large display and mixed with dedicated mixing controls like nineteen linear faders and a dozen channel strip encoders. Two mixdown effects including reverb and chorus are also available, as well as a mastering effect. Once finished, songs can be transferred to computer over USB or written to CD with the built-in CD-RW drive.

Main Features

- 24-track digital Portastudio
- Color LCD display and 12-encoder channel strip for simple operation
- Eight balanced microphone inputs on balanced combo XLR/jack connectors with phantom power
- Up to eight-track simultaneous recording at 48kHz/24-bit audio resolution
- Solid-state recording to SD Card media for better shock resistance than hard drive recording
- Instrument-level input for direct recording of guitar or bass

- Dedicated controls for EQ, pan and effect sends
- Multiple effects processors for input processing, guitar amp simulation and mastering
- Virtual tracks for alternate takes and undo
- CD-RW drive for mixdown and backup
- Built-in chromatic tuner and metronome
- MIDI input and output for clocking and control
- 6.3-mm jack monitor outputs, effect send outs and headphone output
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Specifications

Media and file systems	
Recording media	SD card (512 MB to 2 GB)
	SDHC card (4–32 GB)
File system	
SD-board (512 MB – 2 GB)	FAT16FAT16
SDHC card (4–32 GB)	FAT32

Analogue audio inputs and outputs	
MIC/LINE INPUTS A to H	
XLR connector (balanced)	XLR-3-31 (1: GND, 2: HOT, 3:COLD)
Input impedance	2.4 kΩ
Nominal input level	−14 dBu
Maximum input level	+2 dBu
Phone connector (balanced)	6.3-mm TRS phone jack

Input impedance	>22 kΩ
	INPUT H, when LINE-GUITAR switch is set to GUITAR: 1 MΩ
Nominal input level	+4 dBu
Maximum input level	+20 dBu
Stereo output (L/R)	RCA pin jack
Nominal output level	−10 dBV
Maximum output level	+6 dBV
Output impedance	200 Ω
Effect sends 1/2	6.3-mm TS phone jack
Nominal output level	−10 dBV
Maximum output level	+6 dBV
Output impedance	200 Ω
Monitor output L/R	6.3-mm TRS phone jack
Nominal output level	−2 dBu
Maximum output level	+14 dBu
Output impedance	200 Ω
Headphones output	6.3-mm TRS phone jack
Maximum output power	70 mW + 70 mW or more (THD + N 0.1% or less, 32 Ω load)

Control inputs and outputs

MIDI input (MIDI IN)	5-pin DIN
Format	Standard MIDI format
MIDI output (MIDI OUT)	5-pin DIN
Format	Standard MIDI format
USB port	USB 4-pin mini-B type
Format	Mass Storage Class USB 2.0 High Speed
Remote connector	2.5-mm TRS jack

Audio performance

Frequency response	20 Hz to 20 kHz, +1 dB/−1 dB INPUT (MIC/LINE) to STEREO OUT/EFFECT SENDS/MONITOR OUT
Distortion	≤0.01% INPUT (MIC/LINE) to STEREO OUT/EFFECT SENDS/MONITOR OUT
S/N ratio	>90 dB INPUT (MIC/LINE) to STEREO OUT/EFFECT SENDS/MONITOR OUT

Operating requirements

Windows	Pentium 300 MHz or faster 128 MB or more memory
Mac	Power PC, iMac, G3, G4 266 MHz or faster 64 MB or more memory
Recommended USB port	USB 2.0
Recommended USB host controller	Intel chipset
Supported operating systems	Windows XP, Windows Vista, Windows 7 Mac OS X 10.2 or later

Power requirements and other specifications

Power requirements	AC adapter (TASCAM PS-1225L)
Power consumption	12 W (Phantom power on)
Dimensions	104 mm x 514 mm x 340 mm
Weight	6.2 kg
Operating temperature range	5–35 ºC

Design and specifications subject to change without notice.