

## DR-60D

### Portable linear PCM Stereo Recorder



The DR-60D is a compact 4-track audio recorder for dedicated use with a digital single-lens reflex (DSLR) or digital single-lens mirrorless (DSLM) camera as a video system. It can be mounted directly to the camera and offers various audio inputs and outputs to allow the recording of high-resolution audio material in parallel to, but separated from the camera and its video data.

The recorder features Tascam original HDDA microphone preamps which are known for high S/N ratio, low input-referred noise and low distortion. Recordings can be made at 44.1/48/96 kHz, 16/24-bit in WAV or BWF format. In addition to ordinary stereo recording, it is possible to record up to four channels simultaneously which can then be mixed down to a stereo signal. Recording levels can be adjusted independently for inputs 1, 2 and 3-4 and the Dual Recording function allows two files to be recorded in parallel at different levels.

The DR-60D can output high-quality audio to a DSLR/DSLM camera to be recorded there as a reference track, and a camera input enables convenient monitoring of audio sent from a DSLR camera. Mid-side decoding, slate tone functions (automatic/manual), selectable time delay and other functions for convenient recording are also available.

#### Main Features

- **Compact, high-quality audio recorder designed to be used in combination with a DSLR camera**
- **Uses an SD/SDHC card as recording medium**
- **High-quality recording inputs through Tascam original High Definition Discrete Architecture (HDDA) microphone preamps**
- **In addition to ordinary stereo recording, simultaneous recording of up to four channels is possible**
- **Four channels can be mixed down to a stereo signal**
- **Recording levels can be adjusted independently for inputs 1, 2 and 3-4**
- **Dual recording function allows two files to be recorded simultaneously at different levels**
- **Recording at 44.1/48/96 kHz, 16/24-bit, linear PCM (WAV format)**
- **Broadcast Wave Format (BWF) supported as WAV recording format**
- **XLR mic/line inputs can provide phantom power (+24V/+48V)**
- **TRS mic/line inputs support +24 dBu input when used as line inputs**
- **Stereo mini jack input supports mics that require plug-in power, allowing the input of video mics and other high-output mics (+10**
- **A new file can be created during recording (manually or by file size)**
- **Self-timer function to start recording after a set period of time**
- **Jump-back function allows the last several seconds of the currently played file to be replayed again by simply pressing a button**
- **Selectable delay to eliminate time lags caused by differences in the distances of two input sources**
- **QUICK button allows easy access to various functions**
- **Divide function allows files to be split where desired**
- **Mark function convenient for moving to specific locations**
- **Equalizers for playback, and level alignment function to enhance the perceived overall sound pressure**
- **File name format can be set to use a user-defined word or the date**
- **Resume function to memorize the playback position before the unit is turned off**
- **Line output and headphones output with individual level controls (3.5-mm jack)**
- **128 x 64 pixel LC display with backlight**
- **USB 2.0 port**

- dBV maximum input level)
- Low-cut filter conveniently reduces low-frequency noise (40 Hz, 80 Hz, 120 Hz)
- High-quality audio can be output to a DSLR camera for recording
- Camera input enables convenient monitoring of audio from a DSLR camera
- Selectable mid-side decoding for use with MS microphone setups
- Slate tone functions (automatic/manual) to simplify synchronization of video files when editing
- Pre-recording function allows the unit to record the two seconds of sound before recording is activated
- Auto recording function to start and stop recording by input level
- Stand adapter (¼ inch) on bottom side to attach the unit to a tripod
- DSLR bracket for easy camera attachment and removal with a coin
- Dedicated remote control jack (for use with RC-10 and RC-3F (sold separately))
- Hold switch to prevent accidental operation
- Handles on the front left and right sides protect the screen and can be used to attach a shoulder belt
- Operates on four AA batteries, an AC adaptor (sold separately: TASCAM PS-P515U), external battery pack (sold separately: TASCAM BP-6AA) or USB bus power

## Specifications

General	
Recording media	SD card (64 MB – 2 GB) SDHC card (4–32 GB)
Audio file compatibility	WAV: 44.1/48/96 kHz, 16/24-bit BWF (Broadcast Wave Format): 44.1/48/96kHz, 16/24-bit
Number of channels	4 channels (stereo x 2)

Analogue audio inputs and outputs	
Mic/Line input 1/L, 2/R (switchable phantom power)	XLR-3-31 6.3-mm standard TRS Jack
Input switch set to MIC or MIC+PHANTOM	
Input impedance	2 kOhm
Phantom Power	48 V ±4 V (10 mA/channel) or 24 V ±4 V (10 mA/channel)
Maximum input level	0 dBu
Minimum input level	–72 dBu
Mic input gain (input level knob at maximum)	LOW: +11dB MID: +36dB HIGH: +52dB
Input switch set to LINE	
Input impedance	10 kOhm or higher
Nominal input level	+4 dBu
Maximum input level	+24 dBu
Mic/Line input 3-4 (supports plug-in power)	3.5-mm stereo mini jack
Input impedance	10 kOhm
Maximum input level	+10 dBV
Minimum input level	–50 dBV
Mic input gain (input level knob at maximum)	LOW: +3dB HIGH: +26dB
CAMERA IN jack	3.5-mm stereo mini jack
Input impedance	10 kOhm
Nominal input level	–10 dBV
Maximum input level	+6 dBV
CAMERA OUT jack	3.5-mm stereo mini jack
Output impedance	200 Ohm
Nominal output level	–50 dBV
Maximum output level	–30 dBV
Headphones output	3.5-mm stereo mini jack
Maximum output power	50 mW + 50 mW
Line output	3.5-mm stereo mini jack
Output impedance	200 Ohm
Nominal output level	–10 dBV
Maximum output level	+10 dBV

Other inputs and outputs	
USB	USB Mini-B Type
Format	USB 2.0 HIGH SPEED mass storage class
REMOTE jack	2.5-mm TRS jack

Audio performance	
Frequency response	20 Hz – 20 kHz, +0.5/–2 dB (LINE IN or MIC IN to LINE)

	OUT, Fs 44.1/48 kHz, JEITA) 20 Hz – 40 kHz, +0.5/-3 dB (LINE IN or MIC IN to LINE OUT, Fs 96 kHz, JEITA)
Distortion	0.02% or less (LINE IN or MIC IN to LINE OUT, Fs 44.1/48/96 kHz, JEITA)
S/N ratio	92 dB or more (LINE IN or MIC IN to LINE OUT, Fs 44.1/48/96 kHz, JEITA)
Equivalent input noise	-120 dBu or less
Note for JEITA	Conforming to JEITA CP-2150

<b>Computer compatibility</b>	
Windows	Pentium 300 MHz or faster 128 MB or more memory
Mac	Power PC, iMac, G3, G4 266MHz or faster 64MB or more memory
Recommended USB port	USB 2.0
Recommended USB host controller	Intel chipset
Supported operating systems	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X 10.2 or later

<b>Power supply and other specifications</b>	
Power supply	Four AA batteries (Alkaline or Ni-MH) USB bus power supplied from a computer AC adaptor (TASCAM PS-P515U, sold separately) External battery pack (TASCAM BP-6AA, sold separately)
Power consumption	5.4 W (maximum)
Dimensions (W × H × D)	133 mm × 93 mm × 78 mm (with the top adapter attached)
Weight	510 g (without batteries)
Operating temperature range	0-40 °C

Design and specifications subject to change without notice.

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