

Specifications

Recording media and formats

Recording media	SD card (64 MB – 2 GB) SDHC card (4–32 GB) SDXC card (48–128 GB)
Supported recording and playback formats	BWF: 16/24-bit, 44.1/48/96/192 kHz WAV: 16/24-bit, 44.1/48/96/192 kHz MP3: 96/128/192/320 kbps, 44.1/48 kHz
Number of tracks	
6 tracks and a stereo mix track	BWF: 44.1/48/96 kHz WAV: 44.1/48/96 kHz MP3: 44.1/48 kHz
2 tracks	BWF: 192 kHz WAV: 192 kHz
File recording modes	BWF: monaural, stereo, 6-channel WAV: monaural, stereo, 6-channel MP3: monaural, stereo

Analogue audio inputs and outputs

MIC/LINE inputs	XLR-3-31/ 6.3-mm TRS combo connectors
INPUT switch set to MIC:	
Input impedance	2.4 k Ω
Nominal input level	GAIN LOW: –20 dBu (0.11 V) GAIN HIGH: –44 dBu (6.91 mV)
Maximum input level	GAIN LOW: +3 dBu (1.55 V) GAIN HIGH: –21 dBu (0.098 V)
Minimum input level	GAIN LOW: –51.5 dBu (2.0 mV) GAIN HIGH: –75.5 dBu (0.1 mV)
INPUT switch set to LINE:	
Input impedance	10 k Ω
Nominal input level	+4 dBu (1.23 V)
Maximum input level	+24 Bu (12.3 V)
Minimum input level	–27.5 dBu (0.05 V)
LINE outputs	RCA pin jack
Output impedance	200 Ω
Nominal output level	–10 dBV (0.3 V)
Maximum output level	+6 dBV (2.0 V)
PHONES jack	6.3-mm stereo jack
Maximum output power	50 mW + 50 mW (into 32 Ω load)
Built-in speaker	500 mW (monaural)

Digital audio input and output

DIGITAL/SYNC IN jack	RCA pin jack
Format	IEC60958-3 (S/PDIF) or AES3-2003/IEC60958-4 (AES/EBU) automatically determined
DIGITAL/SYNC OUT jack	RCA pin jack
Format	IEC60958-3 (S/PDIF) or AES3-2003/IEC60958-4 (AES/EBU) set by user

Control input and output

Control input and output

USB connection

Mini-B type

Format

USB2.0 HIGH SPEED (480 Mbit/s)

Audio performance

(LINE IN to LINE OUT, Input level = -1 dBFS)

Frequency response

20 Hz - 20 kHz +0.5/-1.5 dB (44.1 kHz)
20 Hz - 20 kHz +0.5/-0.5 dB (48 kHz)
20 Hz - 40 kHz +0.5/-1.0 dB (96 kHz)
20 Hz - 80 kHz +0.5/-5.0 dB (192 kHz)

Distortion

0.007% (1 kHz)

S/N ratio

100 dB(A)

Equivalent input noise (EIN)

≤-124 dBu

Host computer requirements

Windows

Pentium 300 MHz or faster
128 MB or more memory
USB port (USB2.0 recommended)

Mac

266 MHz Power PC, iMac, G3, G4 or faster
64 MB or more memory
USB port (USB2.0 recommended)

Recommended USB host controller

Intel chipset

Supported Operating Systems

Windows XP, Windows Vista, Windows 7
Mac OS X 10.2 or newer

Power supply and other specifications

Power supply

8 AA batteries (alkaline, NiMH or Lithium)
AC adapter GPE248-120200-Z (AC 100-240 V, 50-60 Hz, included)

Power consumption

AC 100-120 V

9 W (phantom power on, AC adapter)

AC 220-240 V

9½ W (phantom power on, AC adapter)

Approximate battery operation time (continuous operation)

Alkaline batteries (Evolta)

3½ hours (phantom power on for 6 channels)
4½ hours (phantom power on for 2 channels)
6 hours (phantom power off)

NiMH batteries

4 hours (phantom power on for 6 channels)
4½ hours (phantom power on for 2 channels)
5½ hours (phantom power off)

Lithium batteries (Energizer Ultimate Lithium)

7½ hours (phantom power on for 6 channels)
9½ hours (phantom power on for 2 channels)
11 hours (phantom power off)

Dimensions (width x height x depth)

217 mm x 56 mm x 189 mm

Weight

1.2 kg (without batteries)

Operating temperature range

0-40 °C