

Optical to Analog Audio Converter with Dolby Digital Decoder



PHD-DCT-1D
6 mD\ 8 'Gc`i h`cbg



As shown in the picture is for reference only

The PHD-DCT-1D provides the ideal solution for converting an optical digital audio signal to analog stereo audio. With audio sampling rate support up to 48 kHz (Dolby Digital) or 96 kHz (LPCM) and input data rate support up to 24-bit, it provides high quality sound conversion.

The Dolby Digital Decoder function guarantees that Dolby Digital audio signals are downmixed to analog stereo without loss of quality. This unit is perfect for use in digital recording systems, computer audio systems or digital mixing consoles and can be powered from any spare USB port allowing it to be used with USB equipped HDTVs, Blu-ray players or computers without the need for a separate power supply.

Features

- Supports optical digital audio signal input and conversion into analog audio signal L/R output
- Supports uncompressed digital LPCM stereo or Dolby Digital 5.1CH audio inputs
- Supports LPCM audio sampling rates from 32 to 96 kHz (32, 44.1, 48, 88.2 and 96 kHz)
- Supports Dolby Digital audio sampling rates of 32, 44.1 and 48 kHz
- Supports Dolby Digital audio downmixing to 2-channel audio
- Supports S/PDIF bit stream 24-bit of data to be converted into analog left and right channels
- Compact, elegant design and easy to install

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Specifications

Input Port

1×Optical

Output Port

1×Analog Stereo (2 RCA)

LPCM Sampling Rate

Up to 96 kHz

Bitstream Sampling Rate

Up to 48 kHz

Power Supply

Powered by USB bus

Output Level

1Vrms ± 0.1

THD+N

<0.01%

Frequency Response

<0.5 dB

SNR

>80 dB

Crosstalk

< -110 dB

Dimensions (W×D×H)

55 mm×82 mm×22.5 mm

Weight

65 g

Chassis Material

Plastic

Silkscreen Color

White

Power Consumption

1.68 W

PhD
SOLUTIONS
high definition connectivity