

# Doteck

## Doteck i2 Series

### 2-channel Analog Audio fiber optic Transmission System



#### Features

- (1) Audio 20-bit encoder/decoder
- (2) Audio input/output balance/unbalance transform automatically
- (3) ESD protection
- (4) Transmission distance up to 120km
- (5) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (6) Enclosure box material is made of aluminum, elegant appearance, light weight
- (7) PCB boards made with environment friendly Pb-free and RoHS compliant
- (8) Convenient instructions of LED status indicator, audio activity, optical link, power supply etc.

#### Introduction

Doteck i2 series is a high performance broadcast quality 2-channel analog

audio transmission system. The transmitter input 2-channel analog audio and the receiver output 2-channel analog audio.

Dotek i2 series technical specifications are over broadcast quality, which is widely used in radio stations.

Due to the advanced digital fiber optic transmission technology, almost you need not make any adjustments, simple to set up, easy to operate.

### Technical Specifications

<b>Analog audio input</b>	
Channel	2
Signal resolution	20 Bit
Frequency response	20Hz-20KHz @ -0.5dB
Operating mode	Balance, unbalance
Level	17.4Vp-p (+18dBm)
Channel insulation	>90dB@1KHz, >90dB@20KHz
Impedance	600Ω
Connector	XLR
<b>Analog audio output</b>	
Channel	2
Signal resolution	20 Bit
Frequency response	20Hz-20KHz@-0.5dB
Operating mode	Balance, unbalance
Level	17.4Vp-p (+18dBm)
SNR(weighted)	>90dB
THD	<0.2%
Channel insulation	>90dB@1KHz, >90dB@20KHz
Delay	2 degree
Amplitude match	±0.2dB
Impedance	600Ω

Connector	XLR
<b>Physical</b>	
Dimension(H×W×D, mm)	44×433×346(mm)
Dual power supply	130-260VAC, 50/60Hz
Power consumption	<10W
Operation temperature	0-50℃
Relative humidity	0-95%, non-condensing
LED status indicator	Power, optical link, audio activity
<b>Fiber optic link</b>	
Fiber type	Single mode
Number of fiber	1
Wavelength	1310nm/1550nm
Distance	0-40km, or 0-80km, or 0-120km optional
Connector	FC/PC, or SC/PC

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