

Doteck

Doteck i16 Series

16-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 100km
- (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

Dotek i16 series is a high performance broadcast quality 16-channel analog audio transmission system. The transmitter input 16-channel analog audio and the receiver output 16-channel analog audio.

Dotek i16 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

Analog audio input	
Channel	16
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
Analog audio output	
Channel	16
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	$\pm 0.2\text{dB}$
Impedance	600 Ω
Connector	XLR
Physical	
Dimension(H×W×D, mm)	88×433×346(mm)
Dual power supply	130-260VAC, 50/60Hz
Power consumption	<10W
Operation temperature	0-50°C
Relative humidity	0-95%, non-condensing
LED status indicator	Power, optical link, audio activity
Fiber optic link	
Fiber type	Single mode
Number of fiber	1
Wavelength	1310nm/1550nm
Distance	0-40km, or 0-80km, or 0-100km optional
Connector	FC/PC, or SC/PC

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