

# Doteck

## Doteck i4AES Series

### 4-channel AES/EBU Digital Audio fiber optic Transmission System



#### Features

- (1) Input, output AES/EBU digital audio, compatible AES3, S/PDIF
- (2) Many different sampling frequency AES/EBU can be input , it is easy for transmitter and receiver connected with each other
- (3) 4-channel synchronous or asynchronous AES/EBU signal can be transmitted at the same time
- (4) The output signal conforms to international GY/ti56-2000, GY/ti58-2000, GY/ti87-2002
- (5) Transmission distance up to 120km without relay
- (6) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (7) Enclosure box material is made of aluminum, elegant appearance, light weight
- (8) PCB boards made with environment friendly Pb-free and RoHS compliant
- (9) Convenient instructions of LED status indicator, audio activity, optical link, power supply etc.

## Introduction

Dotek i4AES series is high performance AES/EBU digital audio fiber optic transmission system. The transmitter input 4-channel AES/EBU digital audio and the receiver output 4-channel AES/EBU digital audio.

Dotek i4AES series accepts synchronous or asynchronous AES/EBU of 44.1KHz or 48KHz sampling frequency and many versions of optical transmitter and receiver combinations are available to address different distance requirements.

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>AES/EBU audio input</b>	
Standard	AES/EBU under AES3-1992 (ANSI S4.40-1992, IEC 958)
Channel	4
Level	0.2-7.0Vp-p
Sampling frequency	32KHz-108KHz
Impedance	110 $\Omega$ (balance), or 75 $\Omega$ (unbalance)
Connector	XLR(balance), or BNC(unbalance)
<b>AES/EBU audio output</b>	
Channel	4
Level	5Vp-p
Sampling frequency	48KHz
Jitter	<0.005UIp-p
Rise/Fall Time	<25ns
Impedance	110 $\Omega$ (balance), or 75 $\Omega$ (unbalance)
Connector	XLR(balance), or BNC(unbalance)
<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°C
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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