

Doteck

Doteck i8AES Series

8-channel AES/EBU Digital Audio fiber optic
Transmission System



Features

- (1) Input/output AES/EBU digital audio
- (2) Many different sampling frequency AES/EBU can be input , it is easy for transmitter and receiver connected with each other
- (3) 8-channel synchronous or asynchronous AES/EBU signal can be transmitted at the same time
- (4) Transmission distance up to 100 km without relay
- (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.

Applications

Radio Station AES/EBU Signal Transmission
ENG/EFP Serial Digital Audio Transmission
Tape Deck to Digital Audio Tape Transmission
Pre-production and Post-production Serial Digital Audio Links

Brief Introduction

Dotek i8AES series is high performance AES/EBU digital audio fiber optic transmission system. Input 8-channel AES/EBU digital audio. Output 8-channel AES/EBU digital audio.

Dotek i8AES series accepts synchronous or asynchronous AES/EBU of 44.1 or 48 kHz 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 Specification

AES/EBU Audio Input	
Standard	AES/EBU under AES3-1992(ANSI S4.40-1992, IEC 958)
Channel Capacity	8
Level	0.2-7.0Vp-p
Sampling Frequency	32KHz-108KHz
Impedance	110Ω(balance),or 75Ω(unbalance)
Connector	XLR(balance),BNC(unbalance)
AES/EBU Audio Output	
Channel Capacity	8
Level	5Vp-p
Sampling Frequency	48KHz
Jitter	<0.005UIp-p
Rise/Fall Time	<25ns
Impedance	110Ω(balance)
Connector	XLR(balance)
Physical	
Dimension(HxWxD)	43×430×230 (mm)
Power Supply	130 - 255VAC,50-60Hz
Operating Temperature	0 - +50 °C
Humidity	0 - 95% RH, non-condensing
LED Status Indicator	Power, Optical Link, Audio Activity
Optical	
Fiber Type	Single mode or Multimode

Number of fiber	1
Wavelength	1310nm and/or 1550nm
Fiber Optic Connector	FC/PC
Transmission Distance	0-100km

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