

# Dotek

## Dotek A8 Series

### Broadcast Quality 8-channel Video 16-channel Audio Digital fiber optic Transmission System



#### Features

- (1) PAL (625/50) and NTSC (525/60) standard auto-recognition
- (2) The technical specifications are better than broadcast quality
- (3) Video 10 bits A/D conversion, audio 20 bits A/D conversion
- (4) Video AGC(auto gain control) functionality, poor video signal input tolerance
- (5) Audio output balance/unbalance can be transformed automatically, ESD(Electric Static Discharge) functionality, more safer , more stable
- (6) Transmission distance up to 100 km without relay
- (7) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance

(8)Enclosure box material is made of aluminum, elegant appearance, light weight

(9)PCB boards made with environment friendly Pb-free and RoHS Compliant

(10) Convenient instructions of LED status, video/audio activity, optical link, power supply etc.

### Applications

TV programme signal transmission

Video conference system

Remote multimedia studio

Distance learning system

### Brief Introduction

Dotack A8 series is high performance digital fiber optic transmission system. Input 8-channel composite analog video, 16-channel analog audio. Output 8-channel composite analog video, 16-channel analog audio.

The quality of video, audio non-compressed transmission with digital designs is much superior to the analog transmission based on amplitude frequency modulation designs.

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

<b>Video</b>	
Channel Number	8
Bandwidth	7MHz
Signal Resolution	10Bits
Input Level	0.6-1.6Vp-p
Output Level	1Vp-p
Video Standard	525/625 lines
Color Delay	< 10ns
Differential Gain	< 1.0%
Differential Phase	< 1 degree
SNR(Weighted)	> 70dB
Connector	BNC 75Ohms
<b>Audio</b>	
Channel Number	16
Operating Mode	Balance/Unbalance
Signal Resolution	20Bits
Input/Output Impedance	600/50 Ohms(balance)

Max Input/Output Level	17.4Vp-p(+18dBm)
Frequency Response	20Hz-20KHz @ -0.2dB
THD	<0.2%
SNR(Weighted)	>88 dB @ 1KHz
Channel Insulation	>90dB @ 1kHz,>90dB @ 20 kHz
Connector	XLR
<b>Physical</b>	
Dimension(HxWxD)	88x433x340 (mm)
Power Supply	60 - 260VAC,50-60Hz
Operating Temperature	0 - +50 °C
Humidity	0 - 95% RH, non-condensing
LED Status Indicator	Power, Optical Link, Video/Audio Activity
<b>Optical</b>	
Fiber Type	Single mode or Multimode
Number of fiber	1
Wavelength	1310nm and/or 1550nm
Fiber Optic Connector	FC/PC
Transmission Distance	0-80km

# Doteck 多铁克

## Doteck Digital Technologies

Room 11C, 25C, Building 2, International Incubation Zone, No. 2, Shangdi Info Road, Haidian District, BEIJING, CHINA, Postcode: 100085

Tel: +86-10-62120151

FAX: +86-10-82893162

e-mail: Doteck@126.com

Welcome to visit our website for more info: [www.doteck.com](http://www.doteck.com)