

# Doteck

## Doteck M1 Series

### HDMI HD Multimedia fiber optic Transmission System



## Features

- (1) Support HDMI 1.3 standard
- (2) Content can be encrypted
- (3) Zero compression and zero bit reduction
- (4) Support 576i, 720p, 1080i, 1080p HD video resolution
- (5) Convenient instructions of LED status, data rate, optical signal, power etc.
- (6) PCB boards made with environmentally friendly Pb-free
- (7) PCB boards made with multilayer design, to ensure stable and reliable signal transmission
- (8) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (9) Enclosure box material is made of aluminum, elegant appearance, light weight
- (10) Single switching power supply design, wide voltage range, reliable long-term running

## Introduction

Dotek M1 series is a mini HDMI fiber optic transmission system featured by high performance and low cost. It can transmit one HDMI video over one singlemode fiber. When adapter cable of DVI to HDMI available, DVI-D video can be transmitted.

No adjustment is required since it takes advanced digital fiber optic transmission technology with zero compression, simple design and work security, stability and credibility.

## Technical Specifications

HDMI video	
Standard	HDMI1.3, HDCP, CEA-861E
Channel	1
Format	RGB, YPbPr, YCbCr
Clock frequency	225MHz

Maximum data rate	3Gbps
Resolution	576i, 720p, 1080i, 1080p@60Hz
Connector	HDMI female, type A
<b>Physical</b>	
Dimension(H×W×D, mm)	
Built-in supply	44×180×208(mm)
External supply	23.6×86.4×122.3(mm)
Power supply	130-260VAC, 50/60Hz, or 2A/5V
Power consumption	<10W
Operation temperature	0-50℃
Relative humidity	0-95%, non-condensing
LED status indicator	Power, optical link, video activity
<b>Fiber optic link</b>	
Fiber type	Single mode
Number of fiber	1
Wavelength	1310nm/1550nm
Distance	0-20km, or 0-60km optional
Connector	
Built-in supply	FC/PC, or FC/APC
External supply	LC/PC

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## **Doteck Digital Technologies**

Suite 819, Building C, Suite 11A, 11B, 11D, Tower 2, International Innovation Park, No. 2, Shangdi Info Road, Haidian District, BEIJING, CHINA, Postcode: 100085

Tel: +86-10-62120151

Mobile: +86-13910290608

Contact: LI XINJIAN

E-mail: Doteck@126.com

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