Tandem HDMI to Fiber Converter

Description:

Tandem HDMI to Fiber Optic converter includes a transmitter and multiple receivers, which can extend HDMI / RS232 and IR signal to multiple remote locations over single fiber cable.
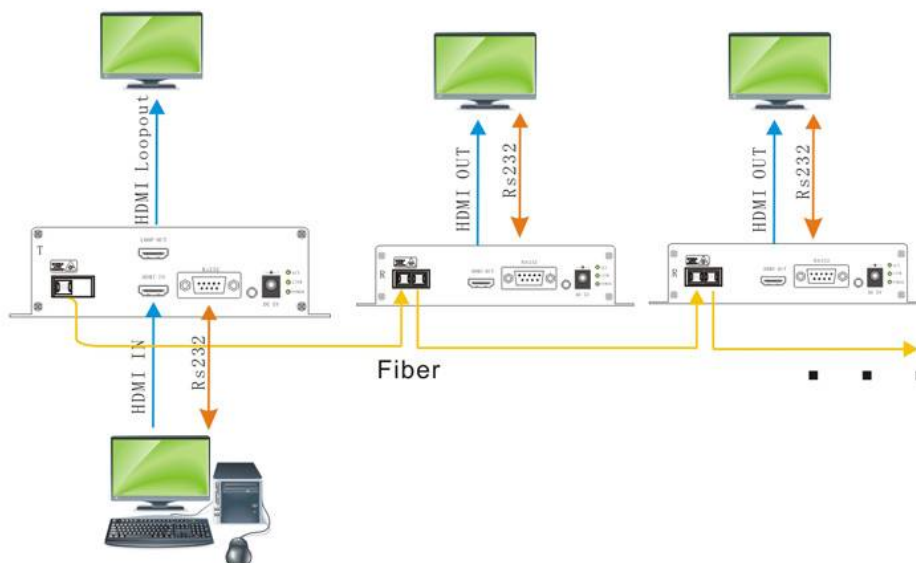
The device support HDMI / DVI transmission at real-time, max resolution support can reach 1920*1080 @ 60Hz, max distance 2KM (MM fiber cable) / 20~100KM(SM fiber cable).

The device can be widely used in military command and control system, police command and control system, traffic management system, energy and electricity supply industry, government office, medical system, commercial presentation, multimedia and public utilities etc.

Features:

1) Support 1920×1080@60Hz.

2) Max extension distance 2KM(MM fiber)/100KM(SM fiber).

3) Pure hardware design, no driver needed, compatible with all operation systems, support plug and play.

4) Support DVI/HDMI interface.

5) Support transmission of IR signal.

Diagram:

Technical Performance list:	
Product Name	Tandem HDMI to Fiber Optic converter
Product Model	Transmitter: HK-TDHDMI-T, Receiver: HK-TDHDMI-R
Optical Fiber	Single fibers, FC connector, Compatible with multimode or single mode fiber
Warranty	2 Years warranty

Product specification:		
Video	I/O connector	HDMI / DVI
	HDMI version	HDMI1.1 1.2 1.3
	HDCP	HDCP1.2
	HDMI resolution	1080p/1080i/720p/720i/576p/576i/480p/480i
	Video color format	24bit/deep color 30bit/deep color 36bit
	Audio format	DTS/HD/Dolby-tureHD/LPCM7.1/DTS/Dolby-AC3/DSD
	TMDS	0.5-1.5Vp-p(TTL)
	DDC	5Vp-p(TTL)
	Input cable length	≤20m AWG26 HDMI 1.3 standard cable
	Output cable length	≤20m AWG26 HDMI 1.3 standard cable
Optical	Connector	SM/MM SC/FC/ST
	Wave length	1310nm/1550nm
Physical	Size (L× W ×H)	Transmitter : 168x154x45mm , Receiver:157mmx81mmx29mm
	Case	Aluminum
	Color	Black
	N.W.	Transmitter : 1kg , receiver:0.4Kg
Power	Voltage	5~12V DC
	Transmitter power consumption	5W
	Receiver power consumption	3.5W
Environment	Working temperature	-20℃-70℃
	Storage temperature	-40-85℃
	Humidity	0-95% (non-condensing)

IR (Infrared remote control):	
Frequency	38KHz
Wavelength	940nm
TX Connector	3.5mmUnbalanced stereo audio block, 2PIN
RX Connector	3.5mmUnbalanced stereo audio block, 3PIN

RS232 Data:	
Data rate	115.2Kbps
Connector	DB9 (male)

Panel Graphs: