

USER MANUAL

VHDI-MI01TXRX-4K

Mini 4KX2K HDMI Fiber Transceiver



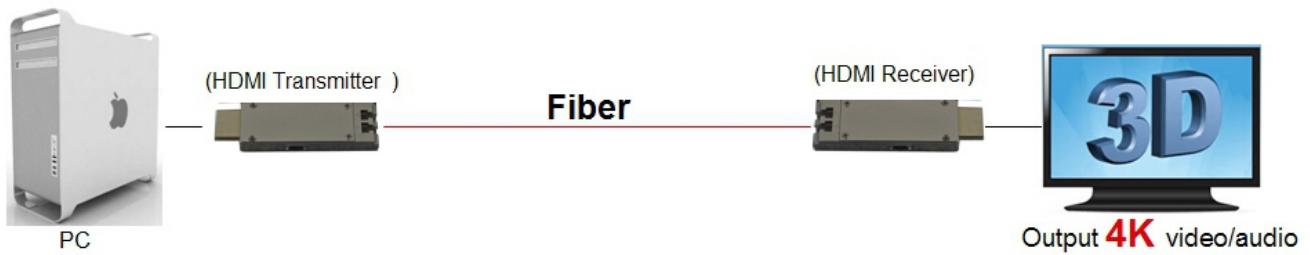
Our Mini 4KX2K HDMI optical transceiver is made by a world leading SerDes fiber transmission technology to delivery Ultra HD HDMI and audio signal by multimode two core optical fiber cable.

The resolution up to 4096 x 2160 and and the device include in HDMI optical transmitter (T) and HDMI optical receiver (R) composition, through and the receiver through the USB interface power supply, without power. Widely used in the information distribution system, ad system, video conference system, military command system, large screen splicing system, remote monitoring system etc..

Features

- * Extend HDMI signal 500 meters
- * All digital compression, noise, zero, zero, zero, zero jitter, zero lost frames,
- * Support 7.1 channel Audio :Lossless Coding
- * Super compatible HDMI1.4, 4K X 2K, 1080P 3D and HDCP1.3
- * Compatible to HDMI1.4 version down full version and DVI
- * Support hot pluggable , low energy consumption, long distance. Plug and play, no need to set
- * Without power supply, power supply only display through the USB interface.

Application diagram



Specification

HDMI interface	HD 19pin , HDMI 1.4A compatible with DVI video format
Pixel clock frequency	340M
HDMI Standard	HDMI1.4 ,HDMI1.3 HDMI1.2 HDMI1.1 HDMI1.0 compliant DVI
Standard	SerDe fiber transmission technology : Uncompressed RAM Re -Clock Technology : No delay CRC Test : No Jitter Verilog HDL source code technology :without noise comma Character test Technology : un-asynchronous SP、SPA SF 、EF IDLE Original data Technology : No loss frame
Resolution	1080P@120Hz,3D Max 4K X 2K 3840×2160 24Hz/25Hz/30Hz 4096* 2160 24 Hz/30 Hz
Color	SYCC601、 Adobe RGB and AdobeYCC601
Audio format	7.1 channel audio : Lossless audio encoding Support LPCM,True-HD,DTS-HD MA and PCM
Optical interface	LC ,Multimode
Wavelength	850nm
Data rate	10.2 G
Distance	500M 1640 Inch
Max Consumption	2.5W
Power Supply	TX without power supply , Rx powered by USB interface from Monitor or USB power supply : DC5V2A
N.W	0.10 KG/ Items / 0.35kg/packed
Size	6.8c*2.0cm* 0.9cm
Housing material	alloy steel with excellent heat radiation and protection function
The mean time to failure (MTBF)	>10M hours
Work temperature	-40°C~+85°C
Humidity	0-75%