

Features

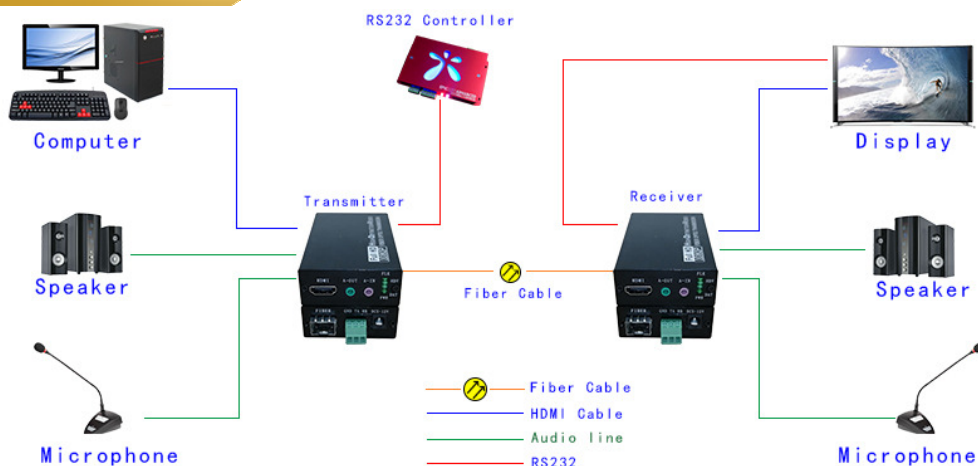
- ▶ Transmits HDMI video signals, RS232 and audio up to 20km over a single fiber cable;
- ▶ Support resolution up to **1920*1200@60Hz**;
- ▶ Special support **1600*1200 @60HZ**
- ▶ Support external bidirectional stereo audio transmission;
- ▶ Compliance with HDMI 1.4B 3D and HDCP 1.2 standard;
- ▶ Single-port HDMI 1.4b receiver
- ▶ High compatibility, can auto-match source and display device;
- ▶ Built-in automatic adjustment system, make the image smooth, clear and stable;
- ▶ Built-in ESD protection system;
- ▶ Simple to install, plug and play;
- ▶ Support EDID



Overview

HDMI Fiber optic extender provides extension of HDMI, bidirectional audio and RS232 over one fiber optic cable, it supports HDMI1.4 mode, it is fully compatible with HDMI 1.4b, HDMI 1.4b 3D and HDCP 1.4, high resolution up to 1920*1200@60Hz. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

Application



Parameter		Description
Video	Standards	HDMI1.4B 3D; HDCP1.4
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Compliant	1080P@50/59.95/60Hz, (Max 1920*1200@60Hz) 1080P@23.98/24/29.97/30Hz, 1080i@50/59.94/60/Hz, 720P@23.98/24/29.97/30Hz, 720P@50/59.94/60Hz Special support 1600*1200 @60HZ
	Connector	Female HDMI type A
	Impedance	100Ω
	HDMI Cable Range	<5Meter (Resolution up to 1920*1200@60Hz)
Audio	Interface	3.5MM external stereo audio
	Transmitter	1Ch Input + 1Ch Oupput
	Receiver	1Ch Input + 1Ch Oupput
RS232	Interface	3-Pin Terminal Block
	Baud Rate	≤115200bps
Optical fiber	Interface	SFP model – LC connector
	Fiber type	Single-mode
	Wavelength	850nm/1310nm/1550nm
	Interface bandwidth	3Gbps
	Transmission distance	Transmission@1920*1200@60Hz Multi-mode fiber: <500M Single-mode fiber: 20km
IndexOther	Power supply	The power adapter: DC 5~12V
	Power dissipation	MAX 4W
	Temperature	Operating: -20°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension (LxWxH)	92 x 57 x 23 (mm)

Ordering Information

Model	Description
20114960	1Ch HDMI + 1Ch Bidirectional Stereo Audio + 1Ch RS232 over Fiber Optic Extender, LC(SFP), Multi-mode fiber, 500m, including 1 transmitter & 1 receiver, used by pairs
20114961	1Ch HDMI + 1Ch Bidirectional Stereo Audio + 1Ch RS232 over Fiber Optic Extender, LC(SFP), Single-mode fiber, 20km, including 1 transmitter & 1 receiver, used by pairs