

Hunter 18Gbps 4K HDMI Over Fiber Extender 20KM with KVM, Audio, IR & RS232 Model Number: 9508-HUS- FE20KM4K60 **USER MANUAL**



Product Introduction

Hunter 20KM HDMI KVM Fiber Extender with Audio utilizes fiber optic transmission technology and standard SFP+ optical modules to achieve lossless extension of HDMI signals up to 20 kilometers (single-mode). It supports 4K@60Hz 4:4:4 HDR video input and extended output. Equipped with IR signal, RS232 serial port, mouse/keyboard communication interfaces, and analog audio extension capabilities, it employs single-fiber bidirectional LC interface transmission, offering lower fiber cable costs and more stable signal transmission. It is suitable for applications such as security monitoring, inter-building HD signal transmission, and public square large-screen displays requiring long-distance HDMI signal transmission.



4K

Features

- Support HDMI 4K@60Hz/ HDCP 2.2/ HDCP 1.4.
- Support 7.1 channels.
- Supports EDID dialing settings.
- Support HDMI loop out at the transmitter.
- Supports HDR (HDR10/HDR10+/Dolby Vision/HLG).
- Supports 3.5mm stereo input and output extension.
- Support IR.
- Support KVM.
- Support RS232 transparent transmission.
- Complies with SFP+ MSA and SFF-8472&SFF-8431 protocols.
- Pure hardware design, plug and play, no additional software required.
- Support 4K to 1080P (Do vnscling).

Specifications

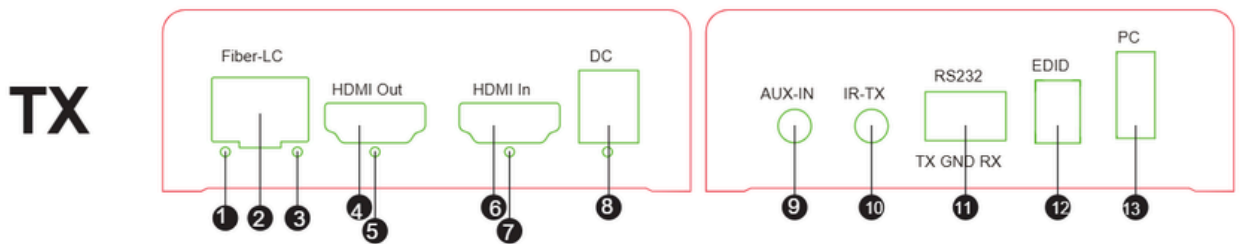
HDMI resolution
Audio format
Fiber wavelength
3.5mm stereo input level
Fiber transmission distance
The maximum operating current
Operating Temperature range
Dimension (L x W x H)
Weight

The highest input resolution is 4096*2160@60Hz
DTS-HD/Dolby-trueHD/DTS/Dolby-
AC3/ATMOS/PCM
1270/1330nm
1.1V/RMS
20km
1.1A/5V DC(TX), 0.7A/5V DC (RX)
(-10°C~ +55°C)
105x106x28(mm)
TX:198g RX:194g

Physical Interface

Resolution	Input	Output	Totalcablelength	Cablerequirement
4K@60Hz	≤5M	≤5M	≤10M	26AWG
4K@30Hz	≤10M	≤10M	≤20M	26AWG
1080@60Hz	≤15M	≤15M	≤30M	24AWG

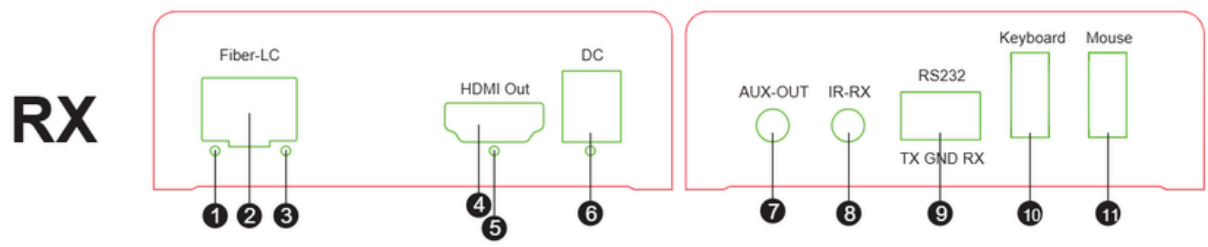
**Tips: Please buy the right cable as required:-
www.hunterbharat.com**



1. LED indicator - Fiber optical module insertion indicator.
2. Fiber-LC - TX optical module interface.
3. LED indicator - TX and RX fiber modules connected successfully indicator.
4. HDMI OUT - HDMI signal output port.
5. HDMI out indicator -HDMI out indicator.
6. HDMI IN -HDMI signal input port.
7. HDMI In input indicator -HDMI In input indicator. (detects TMDS signal input)
8. DC - DC/5V power port.
9. AUX-IN - 3.5mm analog stereo input.
10. IR-TX - IR Transmitter.
11. RS232 - RS232 Level interface.
12. EDID -EDID Dial selection.
13. PC - USB port. (Connect to the computer)

EDID dial-up settings:

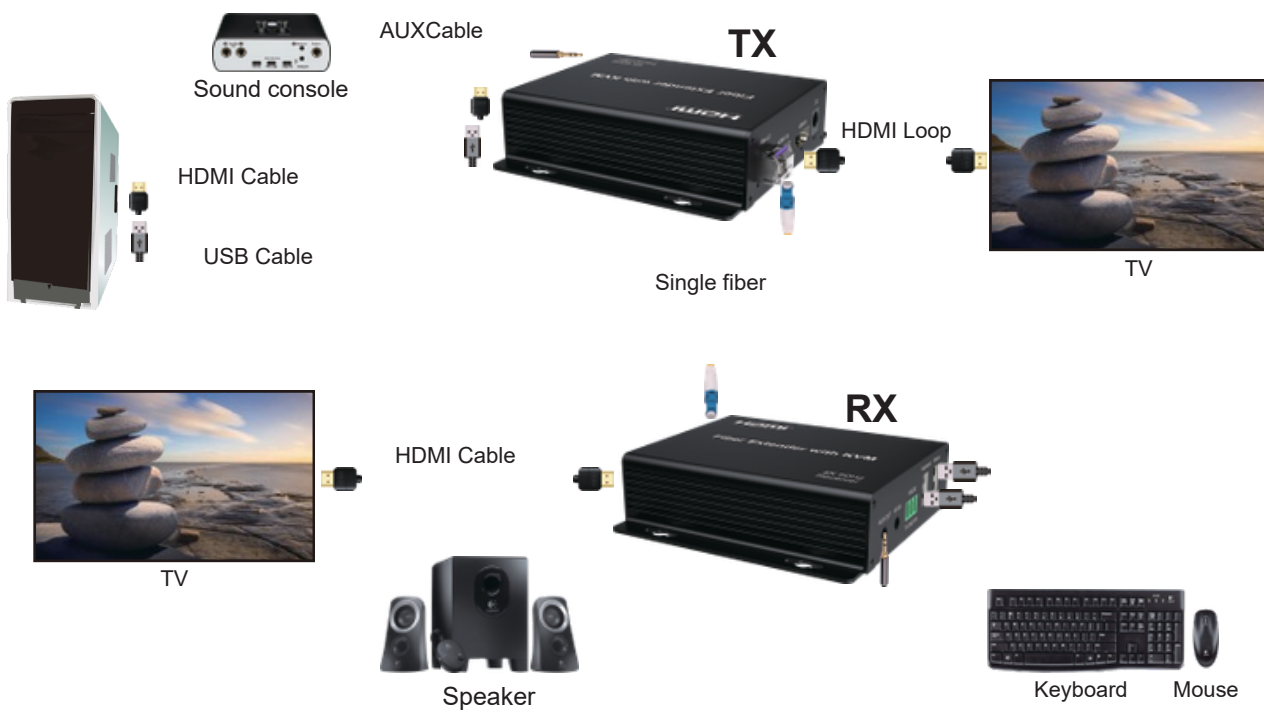




1. LED indicator - Fiber optical module insertion indicator.
2. Fiber-LC - RX optical module interface.
3. LED indicator -TX and RX fiber modules connected successfully indicator.
4. HDMI OUT - HDMI signal output port.
5. HDMI out indicator - HDMI out indicator.
6. DC - DC/5V power port.
7. AUX-OUT - 3.5mm analog stereo output. (Extends AUX-IN)
8. IR-RX - IR Receiver.
9. RS232 - RS232 level interface.
10. Keyboard - Connect to keyboard (KVM)
11. Mouse - connect to mouse (KVM)



Connection Diagram



Application



Home Theatre



Video Conference



Monitor Room

Package Include

- 1: HDMI fiber extender transmitter
- 2.HDMI fiber extender receiver
- 3: 5V/1.5A power supply
- 4.IR cable
- 5.USB male to male cable



Warranty 1 Year



If your product does not work properly because of a defect in materials or workmanship, our Company (warrantor) will, for the length of the period indicated as 1 Years, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.