

HDMI Fiber Optic Extender

ND8110HFUK



FEATURES

- through a pair of optical fibers to transmit HDMI video and audio signals over long distances, up to 1-20 kilometers;
- support HD uncompressed video signal resolution up to 1920*1080P@60Hz,Both TX and RX support video loopout;
- support two-way independent audio transmission;
- support multiple modes of EDID, can match a variety of display device;
- support USB KVM, can remotely use the keyboard and mouse operation
- support two-way RS232 serial port data transmission, baud rate of 1200-115200 bps;
- support bidirectional broadband IR transmission ;



Newbridge® The HDMI KVM Fiber optic extender provides extension of HDMI and 3D signals long distances over one fiber optic cable, it supports resolution max up to 1920*1200@60Hz,Supports keyboard and mouse and EDID copy . 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.

Specifications

	Parameter	Description
Video	Standards	HDMI 1.3
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps

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	Resolution range	Up to 1920*1200@60Hz, 3D
	Connector	HDMI-A Interface
	DVI Cable Range	<5M(Resolution: 1920*1200@60Hz)
	Impedance	100Ω
RS232	Interface	Industrial terminal
	Signal direction	Unidirectional transmission
	Baud rate	Adaptive,max up to 115200 bps
	Data bit	8 bit
USB	Interface	PC: Type B USB interface; connect to pc; K/M: connect USB keyboard and mouse;
	USB signal	HID Signal
Optical fiber	Interface	SFP model – LC connector
	Fiber type	Single-mode
	Wavelength	Single-mode 1310nm
	Interface bandwidth	10Gbps
	Transmission distance	Single-mode fiber: standard 2km
Other	Power supply	The power adapter: DC 5V/2A or 12V/1A
	Power dissipation	MAX 5W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5% ~ 90%
	Dimension	107.71*100*27mm
	The warranty	1 year free warranty

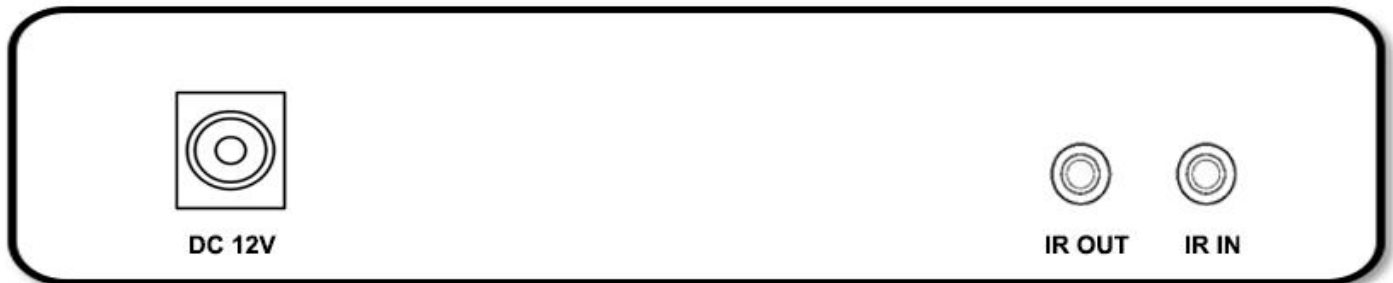
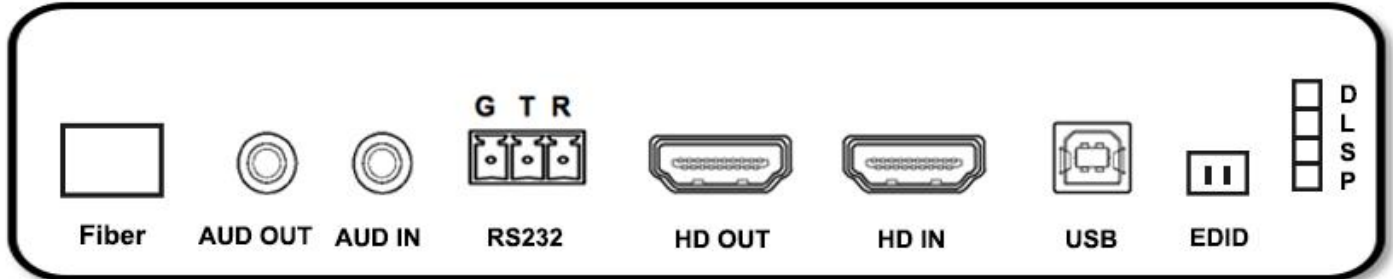
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Panel

Transmitter:



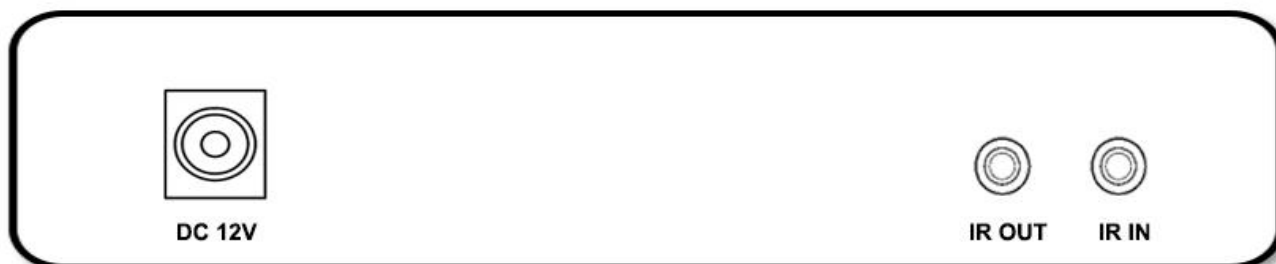
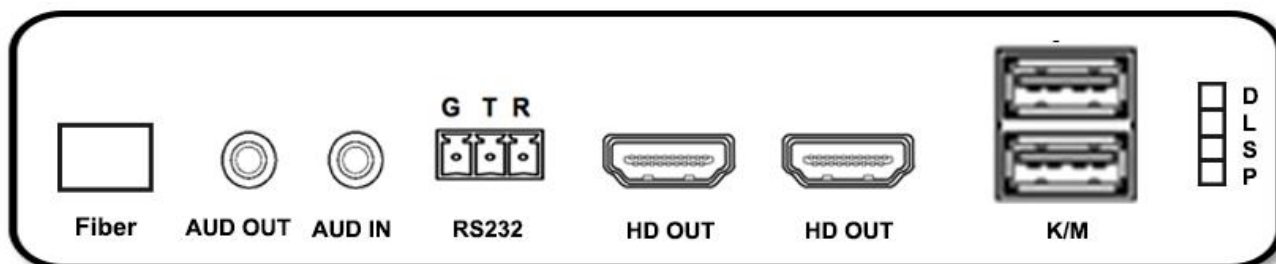
Port name	Description
HDMI IN / HDMI OUT	HDMI signal input/output
AUDIO IN / AUDIO OUT	Audio input / output
EDID	EDID Copy button, Press 3 seconds, copy EDID from HDMI IN display device to system .If HDMI IN interface no display connect, restore default EDID.
DC5V/2A or 12V/1A	Power adapter socket
PC IN	USB cable connect to PC
K/M	connect to keyboard and mouse
RS232	RS232 interface
OPTICAL	SFP model --- LC connector
LED indicator	Description
D(DATA)	DATA indicator
L(LINK)	Optical fiber signal connection indicator
S(STA)	Video signal connection indicator
P(Power)	System power indicator

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Receiver:



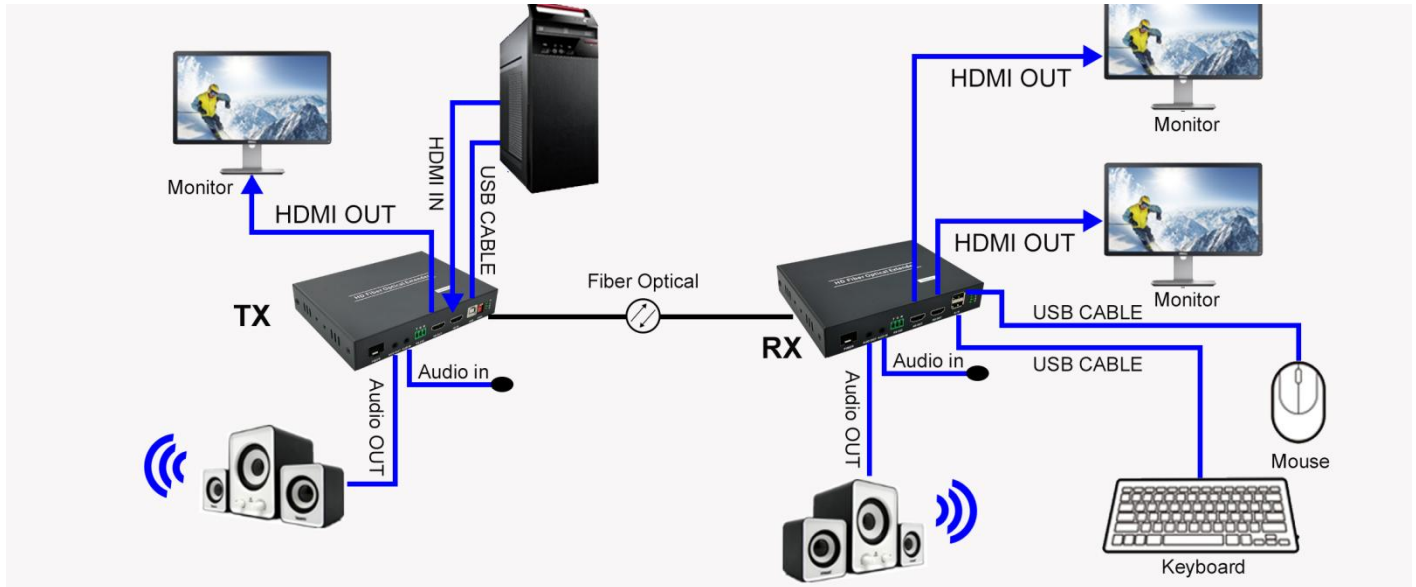
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Application



Order Information

Part No	Description of product	Unit
ND8110HFUK	<ul style="list-style-type: none">● Transmits HDMI video and audio signals up to 20KM over a Fiber optic cable;● Support video resolution up to 1920*1200P@60Hz;	pair