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HDMI+IR fiber extender

User manual

Dear user:

Thank you for purchasing this product. In order to achieve good performance and safe use of this product, please carefully read the instruction manual before use and keep it properly for reference.

Safety precautions

- Do not expose this device to rain, and it is strictly prohibited to splash alcohol or soak it in any liquid.
- Do not insert any object into the slot of the casing and insert it into the machine to avoid damaging the internal parts of the machine.
- Do not attempt to repair or disassemble the machine casing on your own to avoid electric shock.
- Please distinguish between transmitter and receiver before installation.
- Please turn off the power before installation, as live installation may damage the equipment.
- The power parameters are clearly indicated on this product. Please confirm the power parameters before using a non standard power supply from our company to avoid burning out the equipment.

Introduction

This fiber extender adopts digital high-definition video and digital high-definition fiber transmission technology, and can transmit audio and video signals up to 20km away over SC single-mode fiber. It supports point-to-point and point to many connections. Mainly used in security monitoring,

medical systems, commercial displays, education and training, outdoor advertising, home theaters, and conference systems.

Product Features

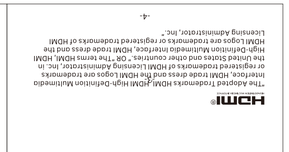
- Support 20km transmission over SC single-mode fiber
- No delay transmission
- Supporting 1920* 1200@60Hz High definition resolution
- Support HDMI® local loop out
- Supports infrared back-haul
- Support Audio embedding and audio extraction, can be connected to external analog audio devices
- Supports point to point and point to multi-point transmission (Gigabit switch only)

Packing Lists

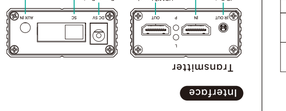
Transmitter	1
Receiver	1
Power Adapter (DC 5V/1A)	2
Infrared Transmitter cable (IR OUT)	1
Infrared receiving cable (IR IN)	1
Audio cable	1
User Manual	1

Specification

Transmitter Port	1×HDMI® input+1×HDMI® output+1×3.5mm IR transmitter+1×5.5mm audio input
Receiver Port	1×HDMI® output+3.5mm IR receiver +1×3.5mm audio output
HDMI® port	HDMI® A-type female socket
Fiber optic port	SC port
Transmission distance	20km
Video data bandwidth	1Gbps
HDMI® version	HDMI® 1.3a
EDID logic	fixed EDID
Audio format	PCM left and right channels
Infrared support	20-60KHz
Video resolution	1920*1200@60Hz
Color space	RGB、YCbCr4:4:4、YCbCr4:2:2
Supports color depth	8bit、10bit、12bit（10/12bit supported only in YUV4:2:2）



Transmitter



Interface

Receiver

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	Indicator	Indicator Status
TX/RX	P	Red light always on Light off Yellow light blinks fast Yellow light blinks slowly No signal input
	L	Powered on No power Data transmission is normal Abnormal fiber cable connection Light off

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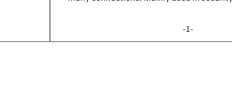

Connection Diagram

Point to Point

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Point to Multi-point

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单页:75x105mm