

# HDMI 100M EXTENDER MANUAL

## LM-100H Industrial Products

Information Release    Screen Splicing  
Video Conference Teaching Projection

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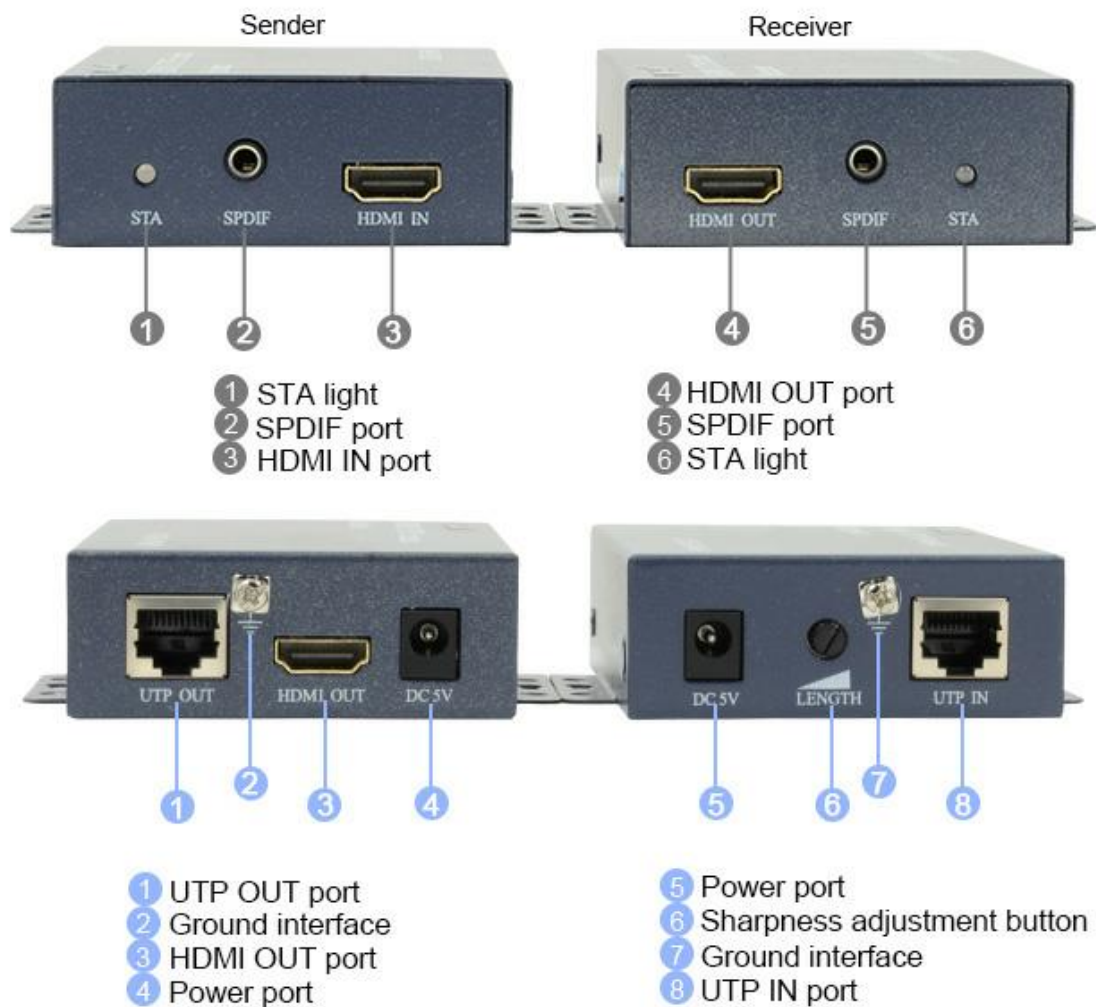
### Product Introduction

LINK-MI LM-100H The HDMI extender, used for HD and non-condensed signal up to 100 meters, consists of a sender and a receiver. This product through a CAT5/5e/6 or above Copper twisted pair (line sequence: white w/orange . orange. white w/green . blue . white w/blue. green. white w/brown . brown) extends those up to 1920 \* 1080 @ 60HZ range resolution HD video, independent audio to the remote, as far as 100 meters, in the meantime, the transmitter provides a HDMI output port for local display. Different with conventional TCP/IP protocol 100 meters extender is this product image is a zero delay transmission, without image compression reduction is better; the products imported by the United States, real-time transmission of video and audio fidelity, anti-interference circuit built-in lightning protection, which greatly improves the stability of products already working life. the product can transmit the high fidelity and real-time video, audio, signal. Anti-interference circuit built-in lightning protection also greatly improves the product's stability and operating life. This product is widely used in the field of computer, home theater, monitoring, education, bank securities system etc..

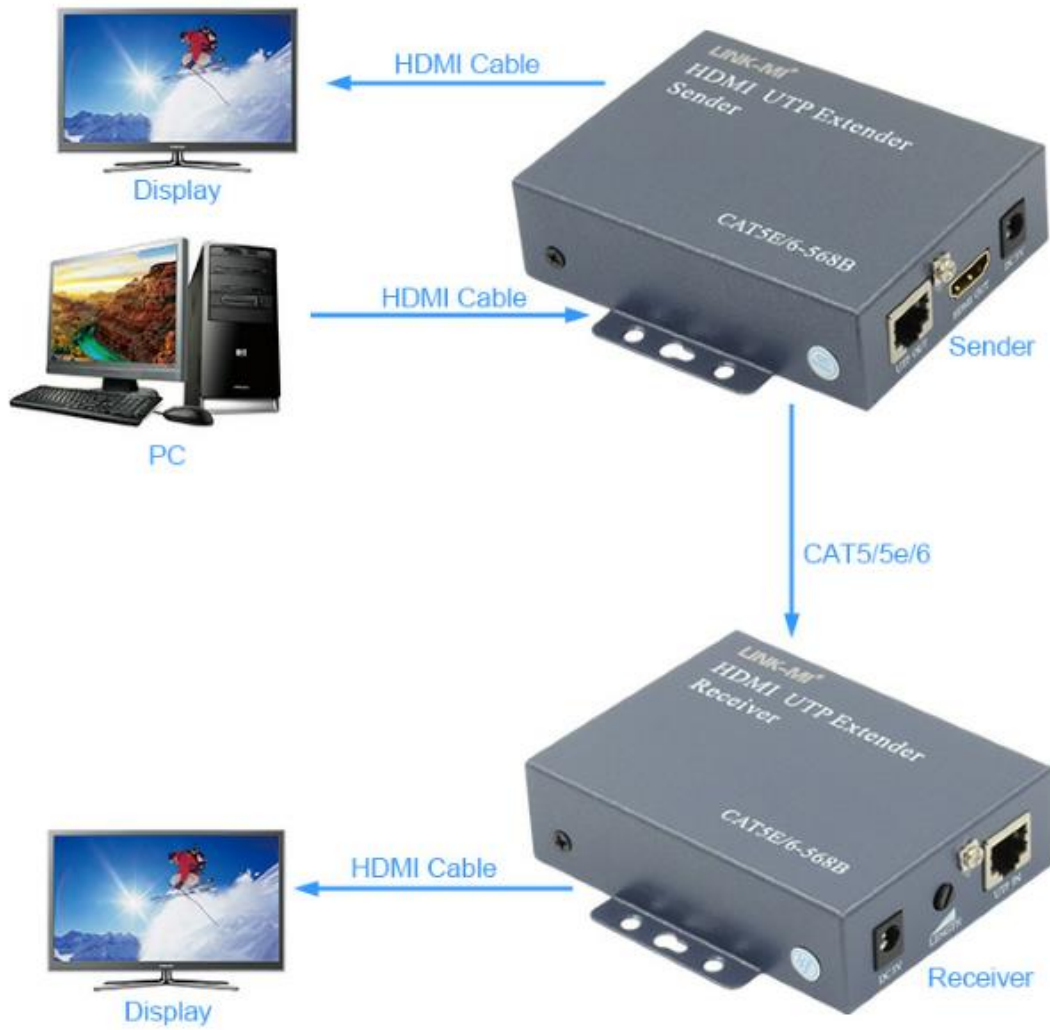
## Product Features

1. Transmit HDMI signal up to 100m over a single CAT5/5e/6 cable.
2. Support video resolution up to 1920×1080@60Hz.
3. Support local and remote HDMI monitors.
4. Built-in lightning protection.

## Panel Description



## Connection diagram



Note: This extender supports independent digital audio. If you do not need, you can connect it with the HDMI line to output video and audio.

## Parameter

Items	Description	
Function	Transmission Signal Type	HDMI,Independent Digital Audio
	Transmission Channel	1 Line
	Transmission Distance	100m
Power Section	Power Supply Mode	External Power Supply
	Adaptive Voltage Range	5VDC 1A
HDMI Performance And Interface	Support HDMI Version	HDMI1.3
	Support HDCP Version	HDCP1.2
	HDMI Resolution	1920*1080@60HZ downward Compatibility
	Peak Transfer Rate	1.65Gbps
	Audio Signal Transmission Format	Digital Audio
	Interface	RJ45 Cable Cat5e/Cat6 and Above
Performance adjustment	Picture effect	Receiver Length Knob Can Adjust the Screen Effect to the Best
Protection Level	Electrostatic Protection	1A Contact Discharge 3 Level 1b Air Discharge Level 3 Implementation Standard: IEC61000-4-2
Operational Environment	Working Temperature	0~40°C
	Storage Temperature	-20~70°C
	Humidity (No Condensation)	0~95%
Organism Attribute	Dimensions (L * w * h)	97*98*28mm
	Material	Engineering Grade Steel
	Weight	0.8KG
Security	Continue Working Time Before Breakdown	>30000 hours

## Packing List

- \* A pair of 100 meters HDMI extender
- \* 2 (5V 1A) power adapter
- \* Operating manual

## Matters Need Attention

1. Due to the design of the HDMI interface is specific, all equipments with HDMI interface are not allowed using hot swap operation in principle. In order to protect HDMI as much as possible during the process of installing and connecting the HDMI extender, please power off the device power supply (DPS) that host and display needs to be connected to. When the HDMI line and cable are connected, plug the HDMI extender and open the power supply connecting with equipments.
2. There are LED lamp power supply and signal indication on the extender sender and receiver. Only plugging into electricity, HDMI transmitter and receiver HDMI signal light is red, while only inserting the HDMI line, there is no signal input and indicator; when the HDMI line as a transmitter receiver is connected to the power supply making the green LED light, it means that HDMI has received signal and power signal, and the equipment can work normally. If the HDMI line is connected to the power while LED lights are still red, please check that if the host equipment HDMI signal output is normal and check or replace the HDMI connection line (recommended AWG26 HDMI1.3 standard or above cable, HDMI line length is less than 5 meters).
3. The extension is to be transmitted using a single standard CAT5/5e/6 or more. Cable connection using 568B line sequence as well as the 8 core cable; non-standard wire is easy to cause problems about poor transmission quality or transmission distance.
4. The extender adopts the high-definition multimedia interface. Using HDMI to DVI adapter, it can support DVI digital display interface to transmit DVI signals. Which provides great flexibility in the engineering system.
5. The connecting cable extender should embed wear tube separately. Do not run the lines with 220V or 380V electric wires or prone to jamming or non screen.
6. The extension has a special grounding device. After the installation is completed, please do well the ground connection project for both the transmitter and receiver. In this way, it can prevent lightning. Improve the equipment's stability and operating.