



# LENKENG 4K Wireless HDMI to HDMI Extender

Model Code: LKV699E

4K@60Hz HDMI Wireless Extender  
[Transmitter + Receiver]

This wireless HDMI extender includes both a transmitter and a receiver, supporting 4K@60Hz resolution. Utilizing IPcolor STREAM technology, it delivers high-definition video with low latency. Operating on the 5GHz wireless frequency band, it offers strong anti-interference performance and enhanced security. Designed for 1-to-1 wireless transmission, it supports distances of up to 50 meters (line of sight), making it an ideal solution for eliminating complex wiring. Perfect for video conferencing, home entertainment, multimedia education, and more.

## FEATURES:

- Utilizes IPcolor STREAM technology for high-definition, low-latency transmission.
- Supports resolutions up to 4096x2160@60Hz; backward compatible.
- Wireless transmission range up to 50m (line of sight).
- HDMI loop-out supported on the transmitter.
- SSID pairing and channel switching help avoid interference when using multiple units in the same area.
- Supports bi-directional IR passback (20kHz~60kHz).
- Operates on 5GHz frequency for strong anti-interference capability.
- Firmware upgradeable via Micro USB port.
- Stable 24/7 continuous operation.
- Equipped with lightning, surge, and ESD protection.



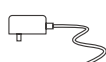
## PACKAGING CONTENTS:



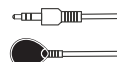
Transmitter x1



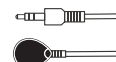
Receiver x1



5V 2A  
Power adapter x2



IR Receiver  
Extension Cable x1



IR Blaster  
Extension Cable x1



Antenna x4



Mounting Ear x4

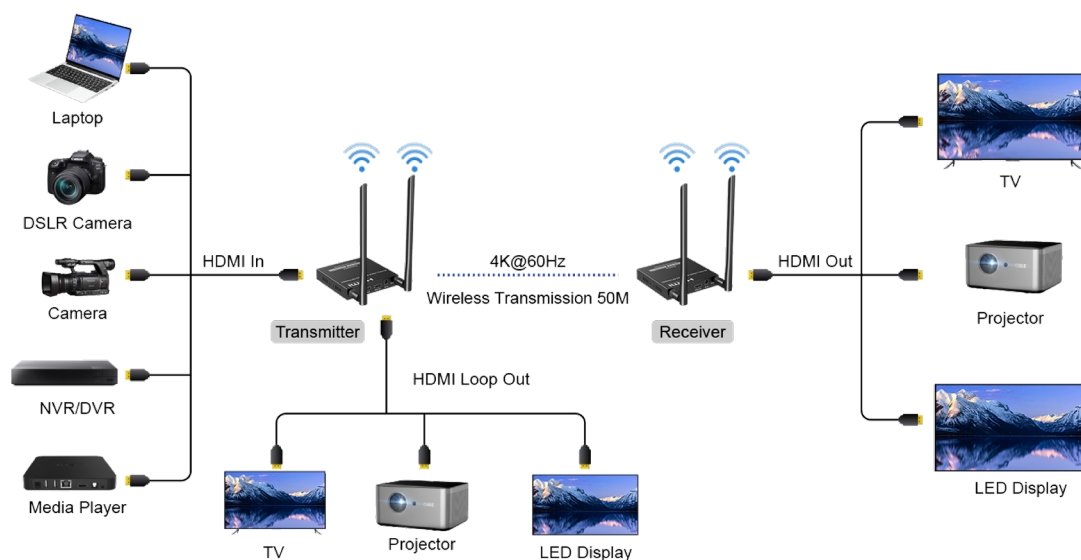


Screw x10



Grounding Screw x2

## CONNECTION DIAGRAM:



## SPECIFICATIONS

Voltage/Current	DC5V/2A
Power consumption	TX<4W, RX<4W
HDCP compliance	HDMI2.0, HDCP 1.4/HDCP 2.2
Maximum transfer rate	18Gbps
HDMI resolution	4096x2160@24/30/50/60Hz, 3840x2160@24/30/50/60Hz, 1080P@50/60Hz, 720P@50/60Hz, 1920x1200, 2560x1440
Input and output DDC signal	0.7~ 1.2Vp-p (TMDS)
Input and output DDC signal	5Vp-p (TTL)
Wi-Fi Frequency bands	5.18~5.24 GHz
Transmission Distance	≤50m
Latency	4K@60Hz: 130~220ms, 1080P@60Hz: 70~120ms
Connection Type	One to One
SSID pairing	Supported
Electrostatic protection of the whole machine	1a Contact discharge level 3, 1b Air discharge level 3 Implementation of the standard: IEC61000-4-2
Infrared frequency	20kHz ~ 60kHz
Receiving range	≤5m
Working temperature	-20°C ~ 60°C
Storage temperature	-30°C ~ 70°C
Humidity (no condensation)	0% ~ 90% RH
Dimension	TX: 106(W) x 103(L) x 20.6(H) mm, RX: 106(W) x 103(L) x 20.6(H) mm
Color	Black
Material	Iron
Weight	TX: 305g, RX:302g