# 4K@60Hz HDMI EXTENDER 120m

## Model Code: LKV582

This product comprises a 4K@60Hz HDMI extender kit, consisting of a transmitter and a receiver. It utilizes ipcolor STREAM technology for high-definition, low-latency transmission. Extending the 4K@60Hz HDMI signal up to 120m is achievable via Category 6 and above network cables. It supports one-to-one connections, one-to-many connections through a gigabit switch, or switch cascades. Additionally, the kit features HDMI loop-out, IR passback, and RS-232 passthrough functions, making it suitable for diverse applications such as meetings, home entertainment, educational presentations, and various other fields.

**Features**

- Implementing ipcolor STREAM technology enables achieving high-definition & low-latency transmission
- Capable of supporting resolutions up to 3840 x 2160@60Hz, with backward compatibility
- Compatible with Cat5/5e/6 or higher-grade network cables, offering a transmission distance of 120 meters for Cat6 cables
- Enables one-to-one or one-to-many connections through the gigabit switch
- Provides support for RS-232 passthrough
- The transmitter includes HDMI loop-out functionality
- Features IR passback (20~60kHz) support
- Firmware upgrades can be performed through the Micro USB interface
- Equipped with lightning protection, surge protection, & ESD protection
- 24/7 continuous operation

## Video Specifications

|  | Transmitter | Receiver |
|---|---|---|
| Input interface | 1x HDMI | 1x RJ45 |
| Output interface | 1x HDMI, 1x RJ45 | 1x HDMI |
| HDMI Length | ≤ 5m | ≤ 5m |
| Max Transfer Rate | 18Gbps | |
| Compatibility | HDMI 2.0 | HDMI 1.4/HDCP 2.2 | |
| Resolutions | 3840x2160@24/30/50/60Hz, 1080p@50/60Hz, 720p@50/60Hz, 1920x1200@60Hz, 2560x1440@60Hz, 2560x1600@60Hz | |
| Connection types | One-to-one connection, One-to-many connection, Switch cascading | |
| Transmission distance | Cat6/6A/7≤120m | |
| Transmission latency | 70~180ms | |

## Command Signal Specifications

|  | Transmitter | Receiver |
|---|---|---|
| IR interface | 1x 3.5mm IR out | 1x 3.5mm IR in |
| IR receiving range | ≤ 5m | |
| IR frequency | 20kHz~60kHz | |
| RS-232 (GND/RXD/TXD) | Default baud rate: 115200 | Supported: 2400, 4800, 9600, 19200, 38400, 57600, 115200 | |

## Power Specifications

|  | Transmitter | Receiver |
|---|---|---|
| Power Supply | DC 5V/1A | DC 5V/1A |
| Power Consumption | TX ≤ 4.5W | TX ≤ 4.5W |