

HDMI OPTICAL EXTENDER

Model Code: LKV982

This product is a 4K@60Hz HDMI optical extender kit that includes a transmitter and receiver, utilizing IPCOLOR STREAM technology for high-definition, low-latency transmission. The 4K@60Hz HDMI signal can be extended up to 40 km using an LC single-mode fiber cable. It supports one-to-one connections, one-to-many connections via a gigabit switch, or switch cascades. Additional features include HDMI loop-out, IR passback, and RS-232 pass-through, making it ideal for use in meetings, home entertainment, educational presentations, and various other fields.



Features:

- Uses IPCOLOR STREAM technology for high-definition, low-latency transmission.
- Supports resolutions up to 3840x2160@60Hz, with backward compatibility.
- Supports optical fiber transmission with a maximum distance of 40 kilometers.
- Supports one-to-one or one-to-many connections via a gigabit switch.
- Supports RS-232 pass-through.
- The transmitter supports HDMI loop-out.
- Supports IR passback (20~60kHz).
- Firmware is upgradeable via Micro USB.
- The transmitter has a 3.5mm audio input for sound embedding, and the receiver has an independent 3.5mm audio output.
- Features lightning protection, surge protection, and ESD protection.
- Supports steady 24-hour operation.

SPECIFICATIONS		
	TRANSMITTER	RECEIVER
	VIDEO	
Input Interface	1x HDMI	1x RJ45
Output Interface	1x HDMI, 1x SFP to LC	1x HDMI
HDMI Length	≤5m	≤5m
Maximum Transfer Rate	18Gbps	
Compatibility	HDMI 2.0, HDCP 1.4/ 2.2	
Resolutions	3840x2160@24/30/50/60Hz, 1080p@50/60Hz, 720p@50/60Hz, 1920x1200@60Hz, 2560x1440@60Hz, 2560x1600@60Hz	
Transmission Distance	Single-mode Optical, Fiber≤40km	
Connection Types	One-to-one connection, One-to-many connection, Switch cascading	
Transmission latency	70~1810ms	
	AUDIO	
Input Interface	1x HDMI. 1x 3.5mm L/R	1x SFP to LC
Output Interface	1SFP TO LC	1x HDMI (LPCM 2.0). 1x 3.5mm L/R (PCM)



HDMI POINT TO POINT EXTENDER

Model Code: LKV565P

SPECIFICATIONS		
	TRANSMITTER	RECEIVER
COMMAND SIGNAL		
IR interface	1x 3.5mm IR out	1x 3.5mm IR in
Receiving Range	≤5m	
Infrared Frequency	20KHz~60KHz	
POWER		
Power Supply	DC 5V/2A	DC 5V/2A
Power Consumption	≤7.5W	≤7.5W
OPERATING ENVIRONMENT		
Working Temperature	-10°C ~ 50°C	
Storage Temperature	-30°C~70°C	
Humidity	0~90%RH (No condensation)	
PHYSICAL PROPERTIES		
Housing	Iron	
Weight	290g	286g
Colour	Black	
Dimensions	85.0 (L) x 75.5 (W) x 16.5 (H)mm	
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2 Lightning protection, Surge protection	