



4K60HZ POINT TO POINT HDMI EXTENDER 200 METERS

Model number: RKV473



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The 4K@60Hz HDMI™ Extender 200M is a high-performance solution designed to transmit ultra-high-definition HDMI signals over long distances, making it ideal for home theaters, conference rooms, digital signage, and educational settings. By leveraging advanced transmission technology, this extender provides stable and clear 4K video output at 60Hz with enhanced compatibility and reliability for demanding professional applications .

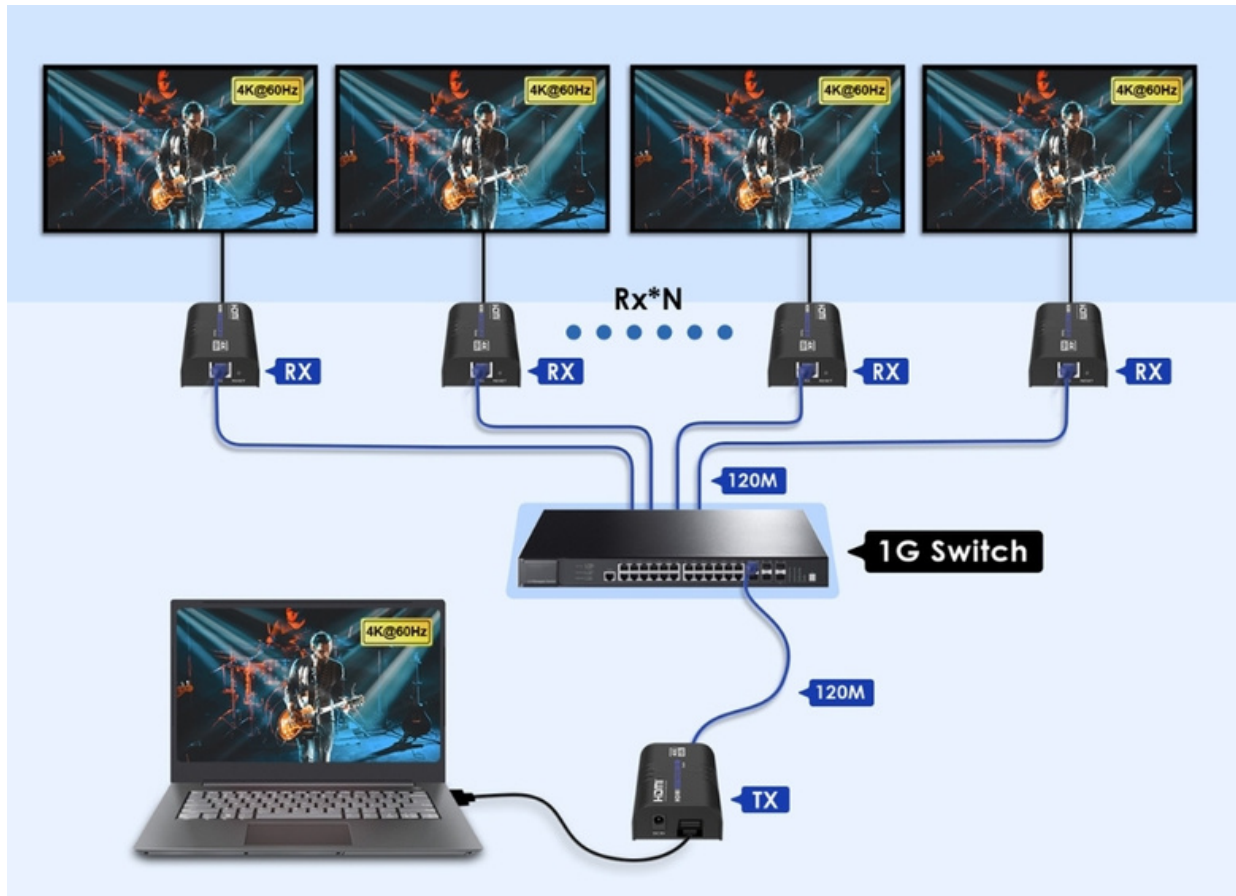


Transmission Distance and Speed

This HDMI extender is engineered to cover impressive distances, extending signals up to 200 meters without noticeable degradation. The device achieves a maximum transfer rate of 18Gbps, which ensures smooth playback of high-bandwidth audiovisual content like 4K@60Hz videos, even in large spaces.

Connectivity and Compatibility

Compatibility is a strong point, supporting HDMI 2.0 and HDMI 1.4, as well as HDCP 2.2 standards. The unit works with various connection types and protocols, including LPCM 7.1, Dolby TrueHD, DTS-HD Master Audio, and uncompressed audio formats. Both single and one-to-one connection modes are supported for versatile installation and integration into existing setups.



Supported Resolutions

The extender supports a wide range of video resolutions for flexible performance, including 4K@60Hz, 4K@30Hz, 1080p@60Hz, 1080p@30Hz, 720p@60Hz, and multiple other standard resolutions. Deep color support of up to 36 bits ensures vibrant and accurate image output suitable for professional and consumer use .

Power and Environmental Specifications

Both transmitter and receiver units operate efficiently with DC 12V/1A power supply. The product is designed to function reliably within a temperature range of -10°C to +55°C, making it suitable for diverse operating environments. Humidity tolerance of 10% to 90% (non-condensing) further contributes to its robust design .

Audio support includes HDMI digital audio and stereo analog output, covering a broad audio format spectrum for different setups. The device also offers low transmission latency of less than 60ms, a compact design for easy installation, and is built with high-quality materials for durability and safety. Additional features include static protection and EMC compliance, meeting modern installation standards .

200M One-to-One Ultra-long Transmission Distance



I/O Ports

TX



RX



Specifications

Item	Sender	Receiver
Video		
Input interface	1x HDMI	1x RJ45
Output interface	1x RJ45	1x HDMI
HDMI length	≤ 5m	≤ 5m
Maximum transfer rate	18Gbps	
Compatibility	HDMI 2.0	
	HDCP 1.4/HDCP 2.2	
Resolutions	4096x2160@24/30/50/60Hz, 3840x2160@24/30/50/60Hz, 1080P@24/25/30/50/60Hz, 720P@50/60Hz, 576P@60Hz, 480P@60Hz, 1920x1200, 1680x1050, 1600x900, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600	
Connection types	One-to-one connection One-to-many connection Switch cascading	
Transmission distance	CAT5 80m / CAT5E 100m / CAT6 120m	
Transmission latency	1080P: 80~130ms 4K@60Hz: 150~220ms	
Audio signal		
Input interface	1×HDMI	1×RJ45
Output interface	1×RJ45	1×HDMI
HDMI output	LPCM 2.0	
Power		
Power Supply	DC 5V/1A	DC 5V/1A
Power Consumption	TX ≤ 3.5W	RX ≤ 3W
Operating Environment		
Working temperature	- 20℃~60℃	

Storage temperature	- 30℃~70℃	
Humidity	0~90%RH (no condensation)	
Physical Properties		
Housing	Aluminium(Top cover); Iron(Bottom cover)	
Weight	160g	160g
Color	Black	
Dimensions	110.0(L)*58.0(W)*26.0(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	

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