



KA267 HDMI KVM EXTENDER OVER NETWORK 120M 4K60HZ



Introduction

This product is a 4K@60Hz HDMI KVM extender kit consisting of a transmitter and a receiver, using ipcolor STREAM technology for high definition, low-latency transmission. The 4K@60Hz HDMI signal can be extended up to 120m via category 6 and above network cables, supporting one-to-one connection, one-to-many connection via gigabit switch, or switch cascading. It also supports HDMI loop out, KVM, and RS-232 passthrough, and can be widely used in meetings, home entertainment, educational presentations, and other fields.

Features

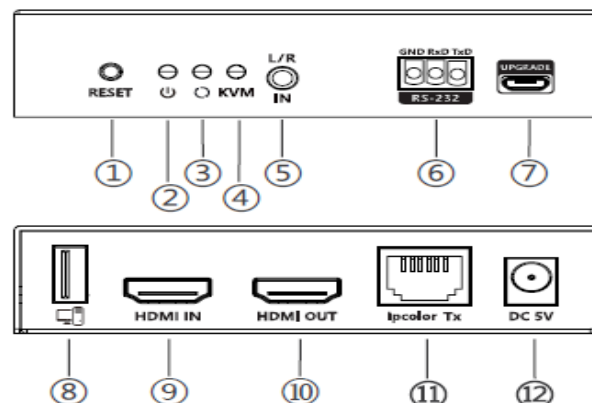
1. Adopting ipcolor STREAM technology can realize high-definition and low-latency transmission.
2. Support up to 3840 x 2160@60Hz resolution, backwards compatible.
3. Compatible with Cat5/5e/6 or above network cables, transmission distance of Cat6 cable is 120 meters.
4. Support one-to-one or one-to-many connections through the gigabit switch.
5. Support RS-232 passthrough.
6. The transmitter supports HDMI loop out.
7. Support KVM control signal passback.
8. The transmitter has a 3.5 mm audio input for sound embedding, the receiver has an independent 3.5 mm audio output.
9. Firmware can be upgraded through Micro USB.
10. Lightning protection, surge protection, ESD protection.
11. Support steady 24-hour operation.

Specifications

Item	Transmitter	Receiver
Video		
Input interface	1x HDMI	1x RJ45
Output interface	1x HDMI 1x RJ45	1x HDMI
HDMI length	≤5m	≤5m
Maximum transfer rate	18Gbps	
Compatibility	HDMI 2.0	
	HDCP 1.4/HDCP 2.2	
Resolutions	3840x2160@24/30/50/60Hz, 1080p@50/60Hz, 720p@50/60Hz, 1920x1200@60Hz, 2560x1440@60Hz, 2560x1600@60Hz	
Connection type	One-to-one connection One-to-many connection Switch cascading	
Transmission distance	Cat6/6A/7≤120m	
Transmission latency	80~140ms	
Audio Signal		
Input Interface	1x HDMI 1x 3.5mm L/R	1x RJ45
Output Interface	1x RJ45	1x HDMI 1x 3.5mm L/R
HDMI output	LPCM 2.0	
3.5mm L/R output	PCM	
Command Signal		
RS-232 (GND/RXD/TXD)	Default baud rate: 115200 Supported: 2400, 4800, 9600, 19200, 38400, 57600, 115200	
Power		
Power supply	DC 5V/2A	DC 5V/2A
Power Consumption	TX ≤ 5.5w	RX ≤ 4w
Operating Environment		
Woking temperature	-20°C ~60°C	
Storage temperature	-30°C ~ 70°C	
Humidity	0 ~90%RH (no condensation)	
Physical Properties		
Housing	Iron	
Weight	TX: 315g	RX: 307g
Color	Black	
Dimensions	106.0(L)*103.0(W)*20.6(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	

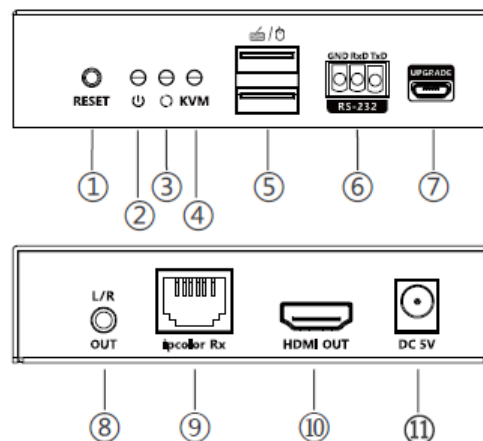
Panel Description

Transmitter



1.	Reset	Press to restart the device
2.	Power indicator (blue)	The indicator will turn on when the power is turned on
3.	Status indicator (orange)	1. Light off: The transmitter and the receiver have not established a connection 2. Slow flash: The transmitter and the receiver are connected but no video data transmission (gigabit Ethernet) 3. Quick flash: The transmitter and the receiver are connected but no video data transmission (100M Ethernet) 4. Steady on: The video data is transmitting
4.	KVM indicator	1. Light flashing: The KVM data is transmitting 2. Steady on: The computer and the USB port are connected
5.	L/R IN	Connect to the audio source device with 3.5mm stereo audio cable
6.	RS-232 (GND/RXD/TXD)	Used for RS-232 passthrough
7.	Micro USB port	Used for firmware upgrading
8.	USB-A port	Connect to the computer with USB cable
9.	HDMI input	Connect with HDMI source device
10.	HDMI out	Connect with local HDMI display device
11.	ipcolor Tx (RJ45)	Connect with the network cable
12.	DC 5V	Connect with DC5V/2A power adapter

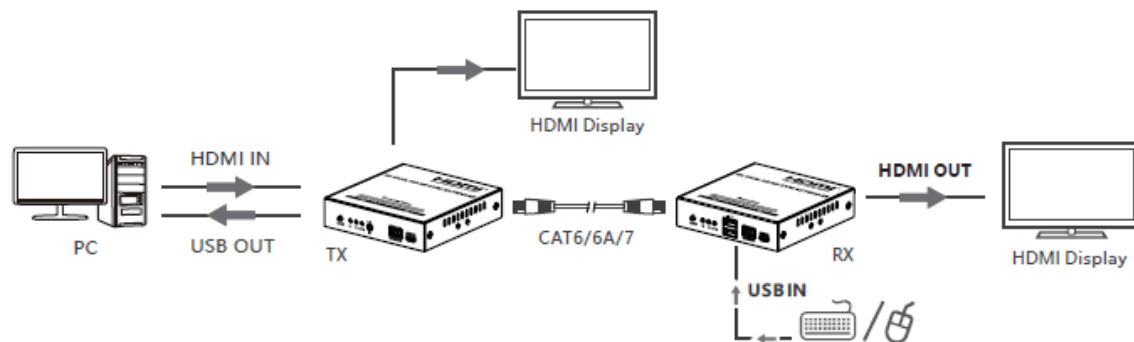
Receiver



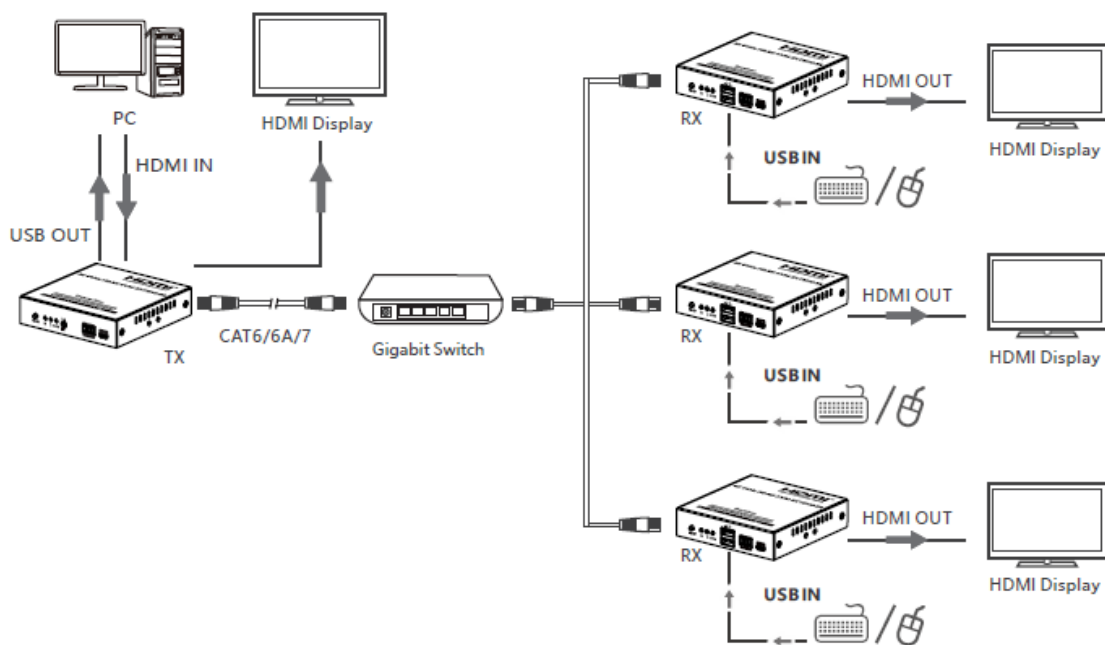
1.	Reset	Press to restart the device
2.	Power indicator (blue)	The indicator will turn on when the power is turned on
	Status indicator (orange)	1. Light off: The transmitter and the receiver have not established a connection 2. Slow flash: The transmitter and the receiver are connected but no video data transmission (gigabit Ethernet) 3. Quick flash: The transmitter and the receiver are connected but no video data transmission (100M Ethernet) 4. Steady on: The video data is transmitting
4.	KVM indicator	1. Light flashing: The KVM data is transmitting 2. Steady on: The mouse and the keyboard are connected
5.	USB-A port	Connect the mouse and the keyboard
6.	RS-232 (GND/RXD/TXD)	Used for RS-232 passthrough
7.	Micro USB port	Used for firmware upgrading
8.	L/R OUT	Connect to the audio device with 3.5mm stereo audio cable
9.	ipcolor Rx (RJ45)	Connect with the network cable
10.	HDMI output	Connect with HDMI display device
11.	DC 5V	Connect with DC5V/2A power adapter

Connection Diagrams

One-to-one connection



One-to-many connection (through gigabit switch)



One-to-many connection (cascade of gigabit switches)

