



HDMI / KVM Extender

# User Manual

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Model : **HKM01E**

**HDMI & USB Keyboard Mouse CAT5e Extender 1080p 150M**



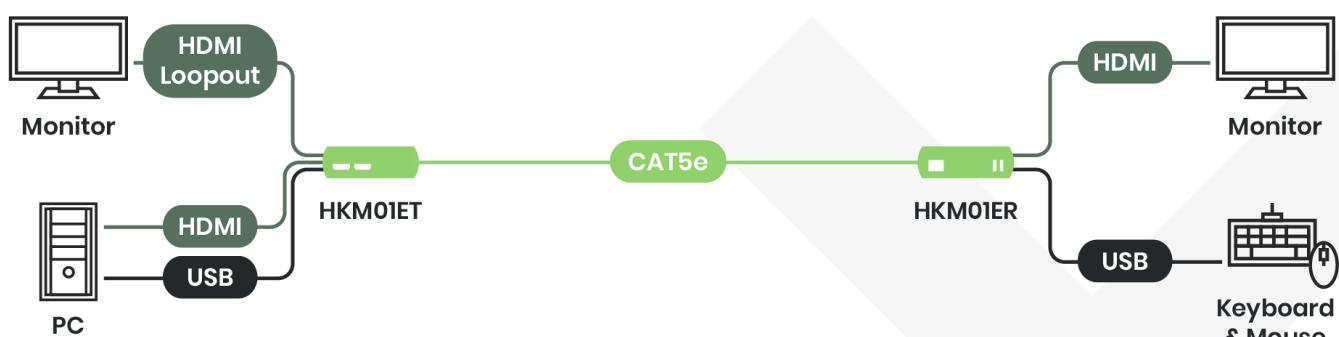
## Introduction

HKM01E is an HDMI KVM extender that sends HDMI & USB signal over one CAT5e or greater cable. Its TX unit has a local loop out for an extra HDMI monitor. And there are 2 built-in USB ports at the RX unit to connect with one keyboard and one mouse. It is an ideal solution for CCTV, digital signage, home network integration, and so on.

## Features

- Resolutions up to 1080p@60Hz & 1920 x 1200.
- Signal extension up 160M over CAT6.
- Built-in HDMI loop-out port for an extra HDMI display at TX side.
- Built-in 2 USB ports at Rx side.
- Workable with SR01X (IP repeater) for longer distance.

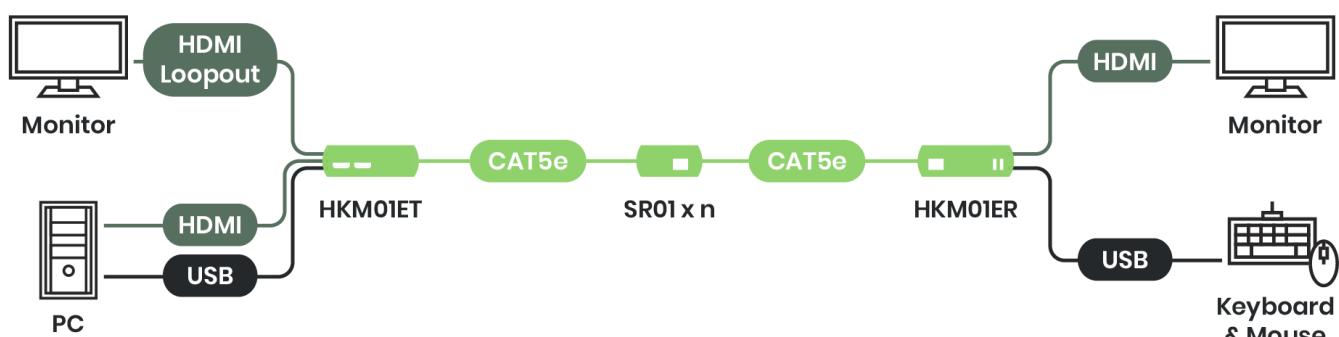
## Installation view



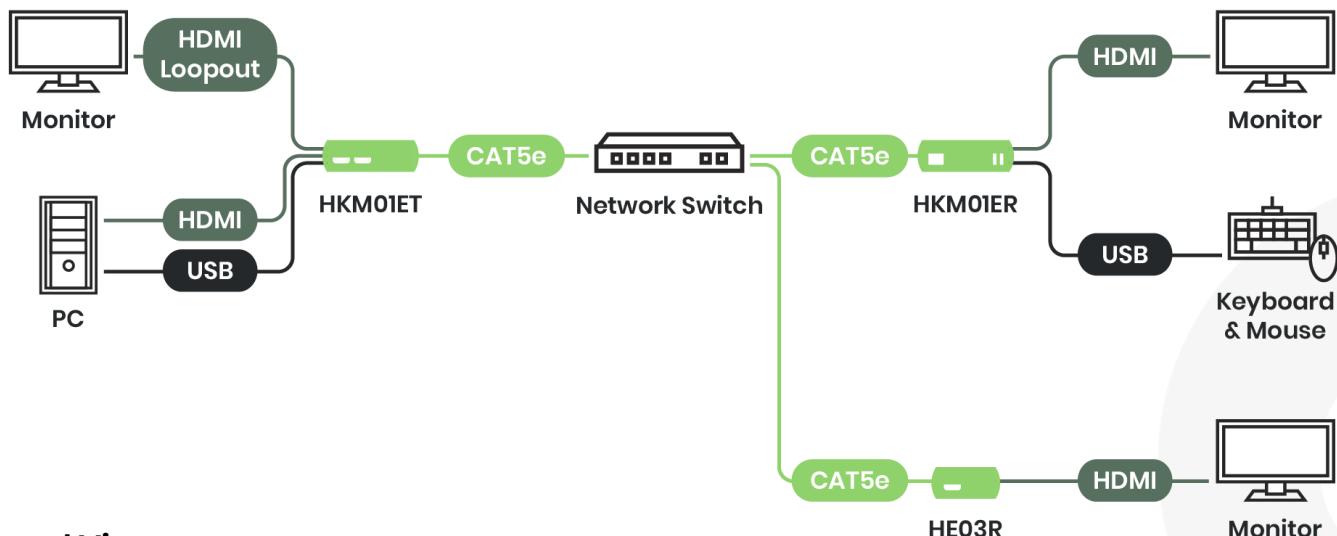
## Optional Model: SR01 Signal Repeater (order separately)

- Extend data signal for an additional 120meters.
- [Application for HKM01E signals for extra long range transmission.](#)
- Ability to cascade connection with multiple SR01 for long range transmission
- Built in LED status indication.
- External power required.
- Plug and play for easy installation.

## Work with HKM01E CAT5 Extender

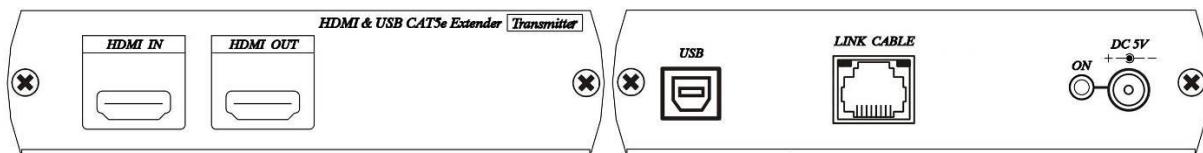


## HDMI over IP Solution: support point to many connections via network switch

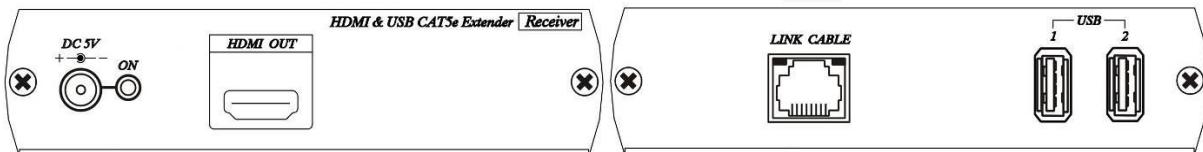


### Panel View

#### HKM01ET



#### HKM01ER



### LED Indication Status

Front Panel Green LED: Power ON/OFF

RJ45 LED: Orange Flash: Data transmission  
Green On: Linking

### RJ45 Define

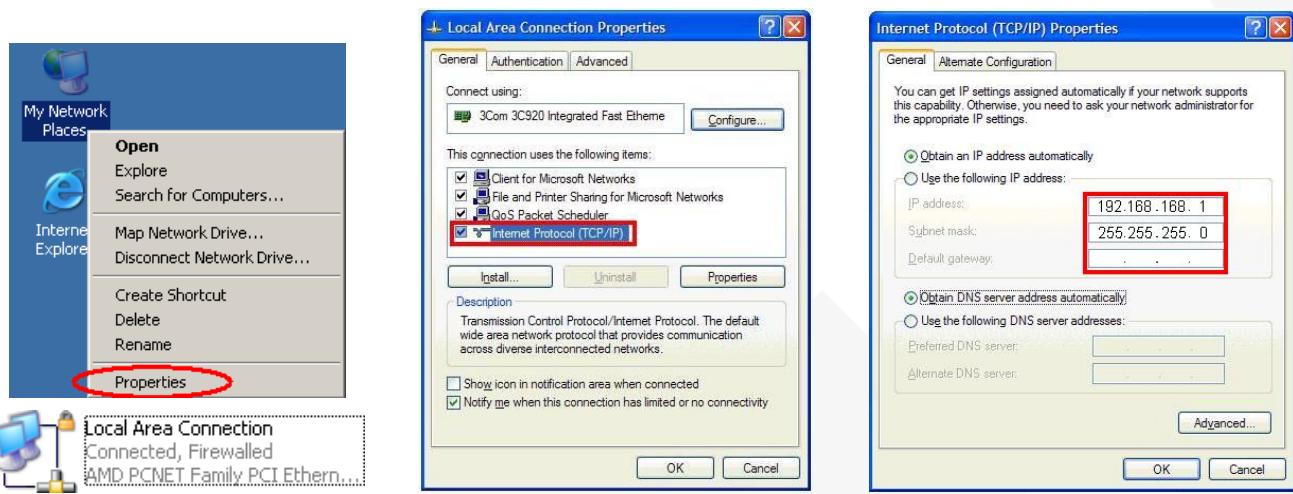
Link Cable (TIA/EIA-568-B)

1. Orange-white	Data 1+
2. Orange	Data 1-
3. Green-white	Data 2 +
4. Blue	Data 3 +
5. Blue-white	Data 3 -
6. Green	Data 2 -
7. Brown-white	Data 4 +
8. Brown	Data 4 -

## Computer IP Address Setting

System default IP address is **192.168.168.55** for **HKM01ET**, **192.168.168.56** for **HKM01ER** (subnet mask 255.255.255.0). Your computer must set in same subnet mask to enter the web setup page. To change the IP address of computer please follow below step: (based on Windows XP):

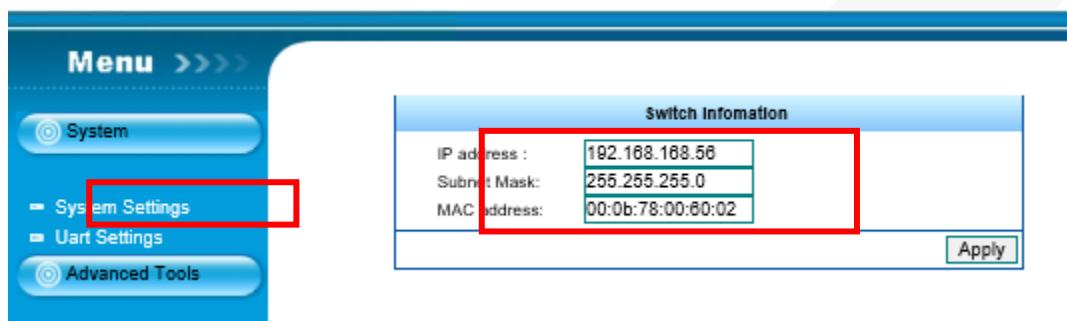
Right click on “My Network Place” → “Properties” then right click on “Local Area Connection” → “Properties” then double click on “Internet Protocol (TCP/IP)” to setting as below:  
(IP address **192.168.168.1**, sub mask **255.255.255.0**)



## Login in to the web

Use CAT5e cable to connect transmitter/receiver RJ45 port to PC LAN port, enter the IP address of TX/RX in the web browser.

After login to the web, click System Settings you can change IP address, Subnet Mask, MAC address at System page, then click Apply to finish setting.



## Resolutions

640x480@60Hz  
800x600@60 Hz  
1024x768@60 Hz  
720x480p@60 Hz  
720x576p@50 Hz  
1280x720p@60 Hz  
1280x720p@50 Hz  
1920x1080i@60 Hz  
1920x1080i@50 Hz  
1920x1080p@60Hz

## Cable

Video Link cable using high quality CAT5e UTP/STP/FTP or CAT6 UTP cable.

## Caution

1. This device not support wireless and gaming keyboard mouse.
2. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

## Package Include

HKM01ET Transmitter x 1  
HKM01ER Receiver x 1  
USB A to B cable x 1  
DC 5V 2Amp power adapter x 2

**Specification:**

ITEM NO.	HKM01ET	HKM01ER
<b>Support</b>		
Max. Video Resolution	1080p@60Hz	
Max. Transmission Distance	150M over CAT5e/ CAT6	
<b>Ports &amp; Interfaces</b>		
Video Input	1x HDMI Type A	1x RJ45
Video Output	1x RJ45	1x HDMI Type A
Video Loop-out	1x HDMI Type A	
USB Interface	1x USB Type B	2 x USB Type A
<b>Power</b>		
Power Supply	DC 5V 2A	DC 5V 2A
Power Consumption	1200mA	800mA
<b>Ambient Temperature</b>		
Operation	0 to 55°C	
Storage	-20 to 85°C	
Humidity	Up to 95%	
<b>Physical Characteristics</b>		
Dimensions	125 x 125 x 30mm	125 x 125 x 30mm
Weight	355g	350g