

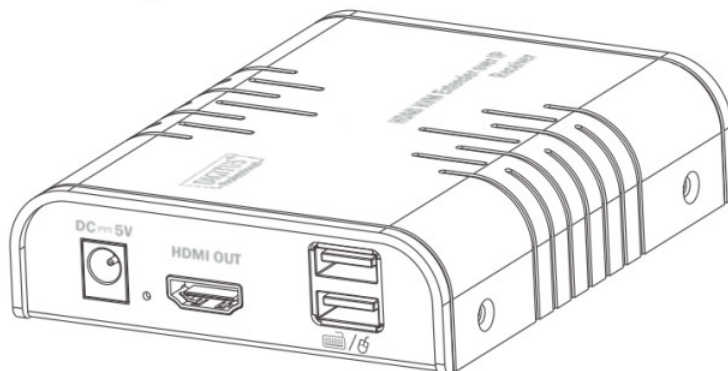
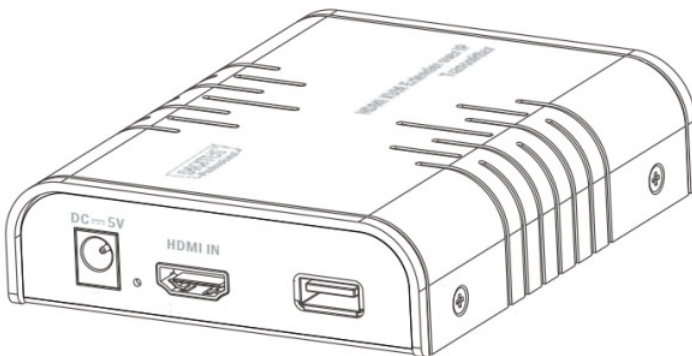


## DIGITUS DS-55202 HDMI KVM Extender over IP User Manual

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### HDMI KVM Extender over IP Manual DS-55202 Rev. 2



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## Important Safety Instruction

1. Do not mix up the transmitter and receiver before instruction.
2. Do not unplug the device, when it is in use; keep your distance from inflammable and explosive devices.
3. Power Supply: DC 5V, Use only the supplied power supply unit, do not use the power supply if it is damaged.

## Product Introduction

This is an HDMI KVM EXTENDER, is made up of a transmitter unit (local site) and a receiver unit (remote site). The HDMI signal can be extended up to 120 meters via network cable, and the resolution supported is up to 1080p@60Hz. It allows access to a computer system from a remote console by USB connectors (USB keyboard and mouse). It is perfect for factory and construction sites, or any type of installation where the console needs to be in a conveniently accessible location. It is also useful for control and security purposes. Therefore it is wildly used in command centers, data control centers, operation rooms in the military, banks, government, enterprise, etc.

## Features

1. Extend HDMI signal up to 120 meters via a single network cable
2. Over IP connection through the network switch
3. High resolution supported is up to 1080p@60Hz
4. LED indicators, know the status of power and USB connection easily
5. Support KVM function, remote control conveniently
6. Support LAN standard 802.3 Ethernet 10/100/1000Mbps
7. Compliant STP and UTP CAT5/5E/6 network cables
8. Aluminum alloy housing design, stable and durable

## Package Content

- HDMI KVM EXTENDER TX x 1pcs
- HDMI KVM EXTENDER RX x 1pcs
- USB Cable x 1
- Power supply x 2pcs

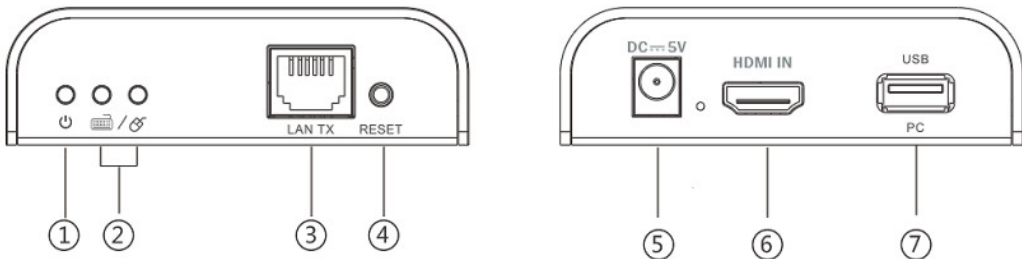
- User manual x 1pcs
- CD (Windows USB driver) x 1pcs

## Installation Requirements

1. Source devices: PC or other devices with HDMI graphics card.
2. Display devices: With HDMI input port, SDTV, HDTV, and monitor.
3. Network cables: UTP/STP CAT5E/6 network cables, which following the standard of IEEE-568B.
4. Transmission length: CAT5: 80m/CAT5E: 100m/CAT6: 120m.

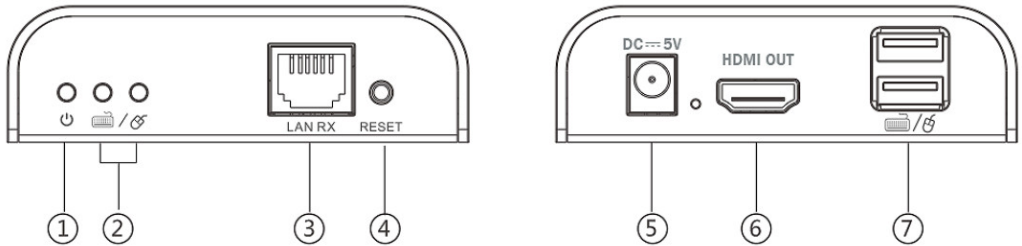
## Panel Introduction

### 1. HDMI EXTENDER TX (Transmitter)



① Power indicator ② USB connection indicator ③ LAN signal output ④ Reset button	⑤ Power input (DC5V) ⑥ HDMI signal input ⑦ USB port: to connect with PC
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### 2. HDMI EXTENDER RX (Receiver)



① Power indicator ② USB connection indicator ③ LAN signal input ④ Reset button	⑤ Power input (DC5V) ⑥ HDMI signal output ⑦ USB port: to connect with keyboard/mouse
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## Installation Procedures

### 1. How to make a CAT5E/6 network cable

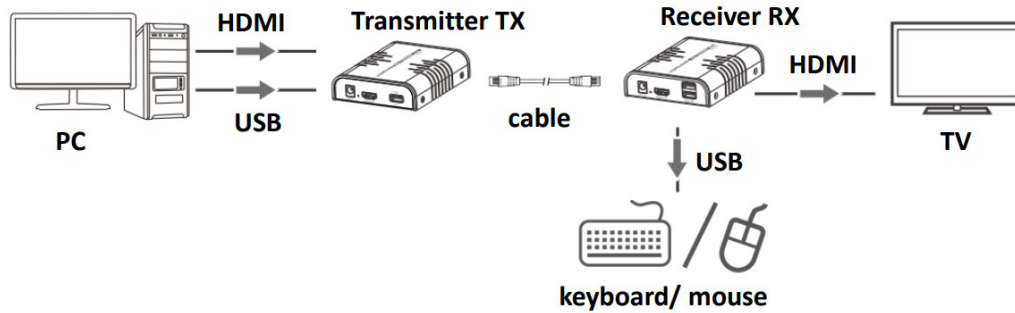
Follow the standard of IEEE-568B:

- 1- Orange/white
- 2- Orange

- 3- Green/white
- 4- Blue
- 5- Blue/white
- 6- Green
- 7- Brown/white
- 8- Brown

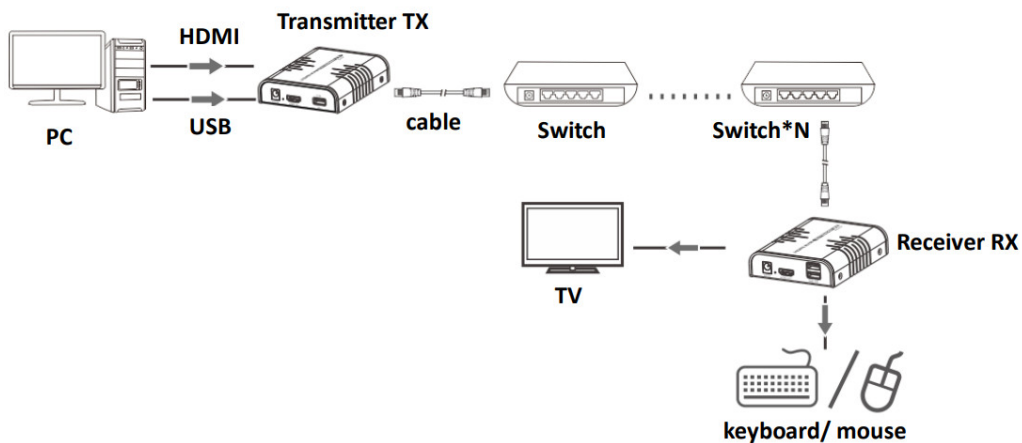
## 2. General Connection Diagram

Transmission distance can be up to 120 meters for 1080p over one CAT6



NOTE: Point to multi-point connection via switch is supported too, but under point to multi-point configuration, it is strongly recommended to operate KVM function on one receiver only at the same time.

## 3. Over IP Connection Diagram



**NOTE:** Transmission distance depends on the type of network cable, CAT5: 80m, CAT5E: 100m, CAT6: 120m.

### Remark: Install driver Software

The driver is only needed if the USB keyboard mouse cannot be activated automatically in the first time connection. (Only Windows USB driver available)

## FAQ

Q: Yellow light of the LAN port is flashing but slowly?

A: Check whether HDMI Extender Transmitter and HDMI Extender Receiver is reversed;  
Check whether HDMI source device output HDMI signal correctly; Change the HDMI cable of the Transmitter.

Q: Yellow light of the LAN port is flashing quickly but no display?

A: If the HDMI source is a graphics card please set the resolution to be supported by the display Check whether HDMI cable of Receiver is well connected; Change the HDMI cable of the Receiver.

Q: Yellow Led light of the LAN port is not light?

A: Check connection of network cable;

The network cable is too long.

Q: Abnormal color display or flashing after all the devices is well connected?

A: Please press the reset button of the HDMI extender.

Make sure the network cable is made according to the standard of IEEE-568B.

Q: USB does not work?

A: Install the USB driving software, check and make sure the USB cables are connected well, then reset Transmitter or Receiver.

## Specification

Part No.	DS-55202	
<b>Technical</b>	<b>Transmitter-TX Receiver-RX</b>	
Signal format	HDMI 1.3	
HDCP	HDCP 1.2	
HDMI connector	Type A, 19 pins, Female	
Transmission distance	CAT5/80 meters, CAT5e/100meters, CAT6/120 meters	
LAN connector	R1-45	
Video bandwidth	70Mbps	
resistance	750	
Video Latency	70ms	
HDMI resolution supported	640*480@60Hz 800*600@60Hz 1024*768@60Hz 1280*720@60Hz 1360*768@60Hz 1440*900@60Hz 1400*1050@60Hz 1680*1050@60Hz 1920*1080@60Hz	
Audio support	PCM (44.1KHz, 48KHz)	
KVM function (connect with PC, keyboard/mouse)	connect with PC keyboard/mouse	connect with
Switch Connection	yes	

Input	1xHDMI 1XUSB (to connect with PC)	2xUSB (to connect with keyboard/mouse) 1xR145
Output	1xR145	1xHDMI
<b>Mechanical</b>	<b>Transmitter-TX</b>	<b>Receiver-RX</b>
Housing	Metal enclosure	
Dimension	109.6 (L) x 89.5 (w) x 26.3 (H) mm	
Net weight	160g	1170g
Power supply	DC5V 1A	
Power consumption	< 3.5W	I < 3.5W
Operation temperature	0-60°C	
Storage temperature	-20-70°C	
Relative humidity	20-90% (no condensation)	

This is a Class A product. In-home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.


Hereby Assmann Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below-mentioned manufacturer address.



[www.assmann.com](http://www.assmann.com)

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## Documents / Resources

	<p><a href="#">DIGITUS DS-55202 HDMI KVM Extender over IP</a> [pdf] User Manual DS-55202, HDMI KVM Extender over IP</p>
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## References

- [A ASSMANN Electronic GmbH | Germany](#)