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# TECHly IDATA HDMI-KVM3 HDMI KVM Extender Over IP User Manual

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**TECHly IDATA HDMI-KVM3 HDMI KVM Extender Over IP**



## HDMI KVM EXTENDER OVER IP

### Dear Customer,

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

### IMPORTANT SAFETY INSTRUCTION

We do not permit using the device in other ways like described in this user's manual. Use the product only in dry interior rooms. Not attending to these regulations and safety instruction might cause fatal accidents, injuries, and damages to persons and property. The manufacturer/supplier assumes no liability for damages caused by failure to comply with the intended use.

**CAUTION** To reduce risk of electric shock, this product should ONLY be opened by an authorized technician when service is required. Disconnect the product from mains and other equipment if a problem should occur. Do not expose the product to water or moisture.

- Your product is not a toy and is not meant for children, because it contains small parts which can be swallowed and can injure when used inappropriately!
- Please install the system and devices attached to it in a way that persons cannot be injured, or objects not be damaged for example by dropping or stumbling.
- Please remove the packing materials, because children may cut themselves on them while playing. Furthermore, there is a risk of swallowing and inhalation of incidentals and insulating material.
- Avoid places with high temperatures, or humidity, or places which might come into contact with water. Do not install the product close to openings of air conditioners, or at places with an excessive amount of dust or smoke. Keeps distance from flammable and explosive devices.
- Do not install the product at places subject to vibration, or oscillation
- Do not modify and alter the product and any accessories! Do not use any damaged parts.
- Keep enough space around all devices for a good ventilation and free motion and to avoid damages.
- Please distinguish the transmitter and receiver before installation.
- Do not disassemble the machine to repair the product during the working process to avoid electric shock.
- Please cut off the power before installation. Live installation may damage the equipment.
- Use the adapter included in the package only. If using 3rd party DC adapters make sure the specification

matched the features of the power adapter included in the supply.

## INTRODUCTION

The extender provides extension of HDMI signals long distances over a single CAT6 cable, it supports high resolution up to 1080P, KVM signal transmission. The extender can be used for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

## FEATURES

- Transmits HDMI video and audio signals up to 150m over a single CAT6 cable;
- Supports point-to-point and point-to-multipoint connection; supports up to 253 receivers connected to a switch for multipoint connection
- Supports video resolution up to 1920\*1080P@60Hz;
- Supports HDMI loop out;
- Supports over TCP/IP;
- Supports keyboard and mouse;
- Compliance with HDMI 1.3 and HDCP 1.2 standard;
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- Simple to install, plug and play.

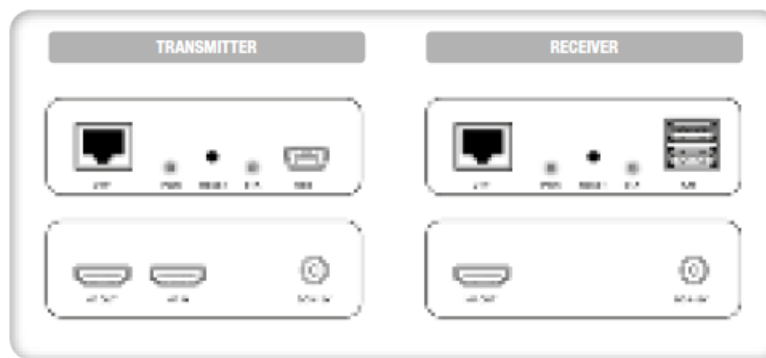
## PACKAGE CONTENTS

- 1x Transmitter Unit
- 1x Receiver Unit
- 2x Power adapter DC 5V 2A
- 1x User Manual
- 1x Mini USB-B to USB-A Cable

## SPECIFICATIONS

PARAMETER		SPECIFICATION
Video	Standard	HDMI 1.3; HDCP 1.2
	Maximum pixel clock	165MHz
	Maximum data rate	6.75 Gbps
	Resolution	1920x1080p@60Hz
	Video compression	H.264
	Impedance	100 Ohm
USB	Interface	USB: Mini USB interface is connected to PC K/M: connect USB keyboard and mouse
	USB signal	HID signal
UTP	Interface	RJ45
	Transmission distance	CAT6---150m using copper cable with high quality
Other	Power supply	DC 5-12 V
	Operating temperature	-5°~+70°C
	Operating humidity	5%~ 90%
	Dimension	121 x 94 x 25 mm

## PANEL



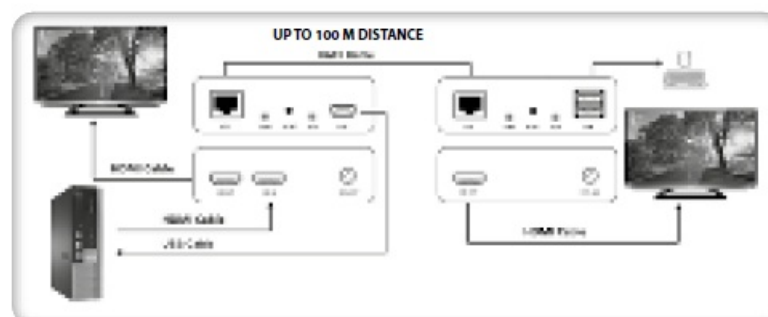
PORT NAME	DESCRIPTION
HD IN/HD OUT	HDMI signal input/output
UTP	RJ45 port connect cat.6 cable
USB	USB cable connect to PC
KVM	Connect to keyboard and mouse
RESET	System reset button, press 5 seconds
DC 5-12V	Power adapter socket
LED INDICATOR	DESCRIPTION
PWR	System power indicator
STA	Video signal indicator

## INSTALLATION PROCEDURES

1. Connects the HDMI source to HDMI IN port of the extender transmitter; connects the HDMI OUT port on transmitter to local display device with HDMI cable;
2. Connects the receiver HDMI extender to display devices (such as high-definition TV, splicing screen, etc.);
3. Connects the USB Mini-B port of the transmitter to computer using cable provided and connects keyboard and mouse to the receiver USB connections;
4. Using Cat.6 cable, connects the transmitter and the receiver RJ45 interfaces of extender;
5. Connects transmitter and receiver to the power, when the LED lights up fixed, the extender is ready to work normally.

## DIAGRAM

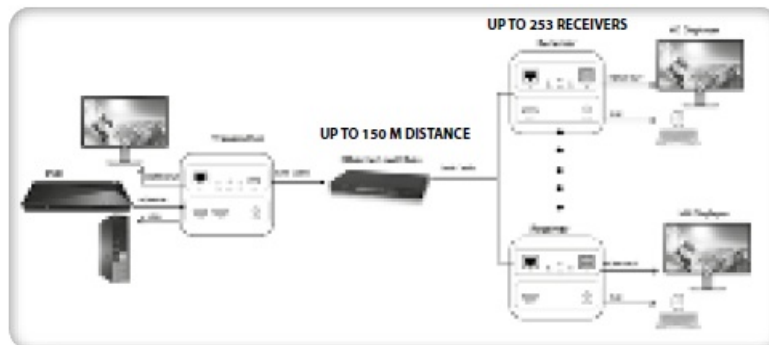
### ONE TO ONE APPLICATION



### ONE TO ONE APPLICATION WITH SWITCH



## ONE TO MANY APPLICATION



### Maintenance:

Clean only with a dry cloth. Do not use cleaning solvents or abrasives.

### Warranty:

No guarantee or liability can be accepted for any changes and modifications of the product or damage caused due to incorrect use of this product.

In compliance with EU Directive WEEE this product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collections system for these products in compliance with WEEE directive, otherwise contaminative and hazardous substances can pollute the environment.

With the CE sign, Techly® ensures that the product is conformed to the basic European standards and directives.

## Documents / Resources



[TECHLY IDATA HDMI-KVM3 HDMI KVM Extender Over IP](#) [pdf] User Manual  
IDATA HDMI-KVM3 HDMI KVM Extender Over IP, IDATA HDMI-KVM3, HDMI KVM Extender Over IP, HDMI KVM Extender, KVM Extender, Extender

## References

- [TV Brackets, Audio Video HDMI, Networking | TECHLY](#)