# IP HDMI KVM Extender

**HKVM-IP100**



## DESCRIPTION:

Heinrich IP HDMI KVM Extender (HKVM-IP100) is a pair of complete sets of equipment, one of which is a sender and one is a receiver; the sender is marked with the word "Sender" and the receiver is marked with the word "Receiver". It can extend HDMI video, independent audio, microphone, USB to the remote end through a single network cable, and can also transmit RS232 serial port signals for long-distance transmission with touch screen, pan tilt zoom, electronic whiteboard, etc., IR infrared signal Infrared remote control of devices such as DVDs, set-top boxes, etc. The farthest transmission distance is 150 meters, the user can control the computer at the remote end, the image effect is clear and natural, and the resolution is up to 4K×2K.

This Product can be used in security monitoring, multimedia information publishing, video conferencing, multimedia classrooms, centralized management of hosts, large-screen advertising, education systems, splicing systems, etc.

## FEATURE:

- Digital uncompressed transmission, clear image and strong anti-interference ability;
- Support multiple resolutions up to 4K×2K@30HZ;
- Support HDMI1.4, support 3D;
- Support reading EDID, compatible with different brands of display devices and able to lock screen
- Support USB2.0 protocol, USB device compatibility is good, up to 4 USB interfaces, support USB mouse and keyboard, HD camera, mobile phone charging and copying data, mobile storage device, touch screen, etc. High current design, will not drop the line, convenient for users;
- Support bidirectional transmission of audio;
- Support bidirectional transmission of RS232;
- Support transmission through Gigabit LAN;
- Access to Gigabit switches for one-to-many transmission;
- Infrared, serial port, audio function (optional).
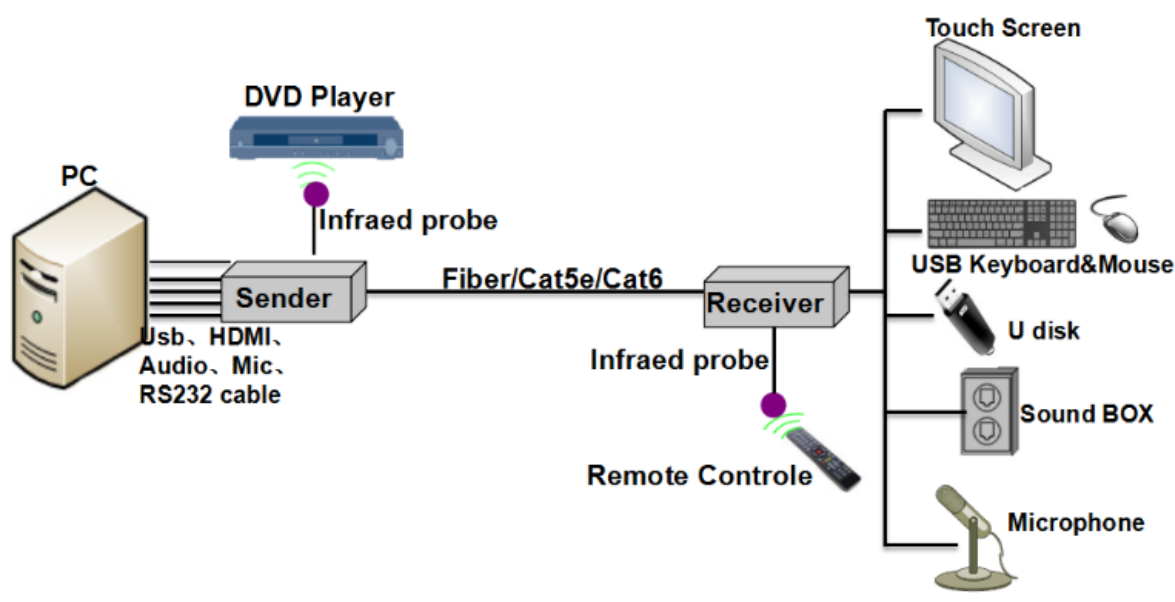
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## SPECIFICATIONS:

| Function | Number of input signal | Sender：1CH (HDMI、 USB、RS232、 AUDIO)<br>Receiver：1CH (MIC、 IR ) |
|---|---|---|
| | Number of output signal | Sender：1CH (MIC、 IR)<br>Receiver：1CH (HDMI、 RS232、AUDIO) ，4CH USB |
| | Transmission distance | Cable directly connected：0-150m |
| Video transmission performance and interface part | Video input/output interface | HDMI |
| | Support HDMI version | HDMI1.4 |
| | Support HDCP version | HDCP1.2 |
| | HDMI Resolution | Max support 4K×2K@30HZ |
| | Support video color format | 24bit/deep color 30bit/deep color 36bit |
| | Audio format support | DTS/HD/Dolby-true HD/LPCM7.1/DTS/Dolby-AC3/DSD |
| | Input and output TMDS signals | 0.5-1.5Vp-p(TTL) |
| | Input/output DDC signal | 5Vp-p(TTL) |
| USB | Interface | Sender：B type<br>Receiver：A type |
| | Protocol | Support USB2.0 |
| Video | Interface | 3.5mm Audio socket |
| Serial | Interface | Industrial terminal |
| | model | Two-way transmission |
| Infrared remote control performance and interface | Remote control interface | 3.5mm Audio socket |
| | Remote control interface signal | Infrared control signal |
| Internet access | RJ-45 | Cat5E/Cat6 (use shielded cable) |

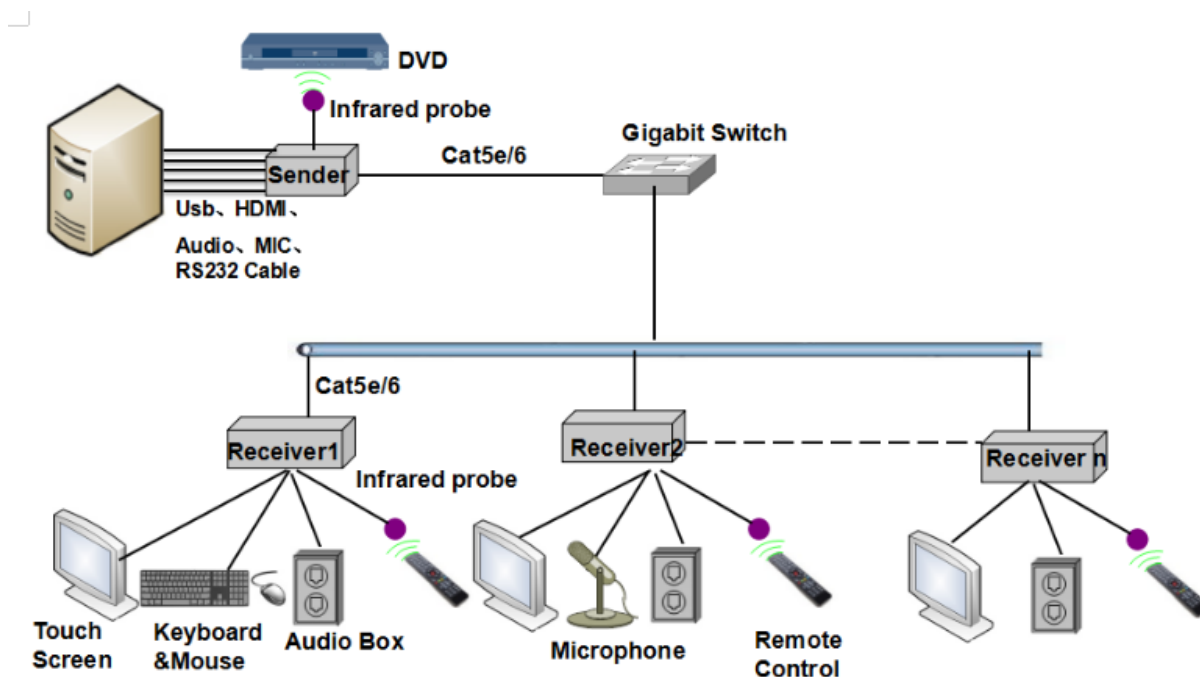| Attribute | Size (L×W×H ) | Sender:  131mm×93mm×32mm<br>Receiver:  131mm×93mm×32mm |
|---|---|---|
| | The shell | Aluminum |
| | Color | Black |
| | GW | 1.2Kg |
| Power supply | Voltage range | DC9V-12V/2A |
| | Sender consumption | 3W |
| | Receiver consumption | 3W |
| Operating environment | Working Temperature | -15℃-55℃ |
| | Storage temperature | -40-80℃ |
| | Relative humidity | 0-95% (No condensation) |

## Connection diagram

1.One to One connection diagram:

2. One to Many connection diagram:



## Warranty and after-sales service

- Belong to the product quality problem, provide free repair within one year of purchase.
- If users to tear down or repair by themselves, it beyond the scope of this warranty.
- Improper use or man-made damage & broken do not belong to free warranty and repair service.

  Please provide properly filled warranty card and purchase prove for repair

For the constant product improvement heinrich reserved the right to change specification and information without notice.