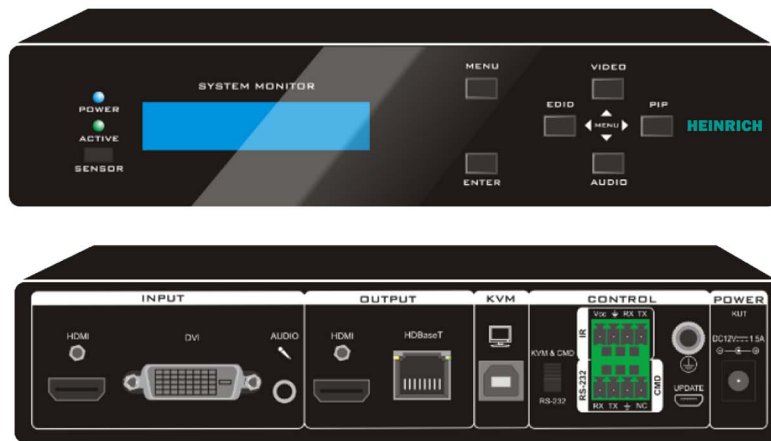


# 4K Ultra HD KVM Transmitter for Twisted Pair Transmission

HKVM-4KT



## DESCRIPTION:

Heinrich's HKVM-4KT is a 4K Ultra HD KVM Twisted Pair Transmission transmitter designed for long-distance transmission of high-quality video. It can be used in conjunction with a twisted pair transmission video receiver or a video matrix HDBaseT receiving board. The transmitter features a black alloy housing with a sleek and modern appearance.

## FEATURES:

- Advanced HD BaseT transmission technology, 10.2Gbps transmission rate, no signal compression, consumption, or delay.
- Support HDMI and DVI digital video input port, support HD BaseT output and HDMI monitor output.
- Support HDMI 1.4 standard (compatible with DVI 1.0) and HDCP 1.4 standard
- Maximum HD resolution 4Kx2K @30Hz. And the output resolution and input resolution are same.
- Support long transmission distance: the network wire distance of 1080P image transmission can reach 100m, and the distance of 4K image transmission can reach 70m.
- Strong port driving capability. HDMI/DVI wire can reach 15 meters in 1920\*1080P 60Hz image and 10 meters in 3840\*2160 30Hz image.
- Support KVM function, real-time passthrough of mouse and keyboard data, no delay in operation, and matrix video switching through keyboard shortcuts.
- Support real-time embedding audio data into the video, audio and video signal synchronous output.
- Support two-way passthrough of RS232 serial data, and the baud rate can be up to 256000bps.
- Support two-way passthrough of infrared signals and support 38KHz carrier modulation
- Support EDID learning and memory function, and built-in multiple EDID for user site selection to ensure compatibility with different displays.
- Support RS232 serial command control. All functions can be set through serial port instruction.
- Support infrared remote control for operation setting and remote control for matrix operation.
- Support remote POC power supply through twisted pair for easy installation.
- Support USB online upgrade firmware, maintenance and upgrade is very convenient.
- Equipped with silent fan, low noise, low heat, stable performance, and stable work in harsh environment.

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## SPECIFICATIONS:

<b>Model</b>	<b>HKVM-4KT</b>
<b>Input port</b>	1x HDMI TYPE-A;1x DVI-D,1x3.5mm audio
<b>Output port</b>	1x HD BaseT port;1x HDMI TYPE-A monitor output
<b>KVM port</b>	1 x USB TYPE B port
<b>Two-way passthrough infrared port</b>	1xIR Phoenix port
<b>Two-way passthrough serial port</b>	1x RS232 Phoenix port
<b>CMD control serial port</b>	1x RS232 Phoenix port (reuse)
<b>Switcher</b>	1xKVM Or passthrough RS232 selection switch
<b>Button</b>	6x panel operation keys
<b>LCD screen</b>	1xLCD screen
<b>Upgrade</b>	1xMicro USB TYPE-B Program burner
<b>HDMI standard</b>	HDMI 1.4(compatible with DVI 1.0)
<b>HDCP standard</b>	HDCP 1.4
<b>HD BaseT standard</b>	HD BaseT 1.0
<b>HD BaseT Maximum bandwidth</b>	10.2Gbps
<b>Maximum RS232 baud rate</b>	256000bps
<b>Maximum video resolution</b>	3840×2160 @30Hz
<b>Maximum cable length (CAT6)</b>	1920×1080@60Hz:100mtr; 3840×2160 @30Hz:70 mtr
<b>Maximum HDMI line length</b>	1920×1080 @60Hz:15 mtr; 3840×2160 @30Hz:10 mtr
<b>Power supply</b>	DC 12V/1.5A
<b>Rated power consumption</b>	6W
<b>Dimension(L*W*H)</b>	215×153×44mm
<b>Weight</b>	0.8Kg
<b>Ambient temperature</b>	-10C—+45C
<b>Environment humidity</b>	10%-80%,no condensation

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.