



## Description

It is an integrated input and output terminal of a distributed integrated management platform. It integrates powerful system functions such as visual management, KVM collaboration, splicing, network transmission, matrix, central control and fusion. It adopts a completely distributed structure design and supports unlimited unit extension; any unit failure will not affect the operation of the entire system, with high reliability. It is designed with a redundancy and backup design, bringing strong stability; it supports KVM cross-screen roaming, and mouse control with zero delay. With built-in self-developed video splicing synchronization algorithm, it can be directly connected to the LED video wall. It features desktop design (optional rack accessories), and beautiful appearance.

## Feature

- \* The integrated input and output design can be freely configured as input terminal or output terminal.
- \* Support up to 4K@30fps HD video signal input and output, multi-stream transmission at the same time, 4K input can be compatible with 4K and 2K output terminals at the same time.
- \* Support up to 2 channels of 4K@30fps or 8 channels of 1080P@30fps H264/H265 decoding and display, support picture tiling, scaling, superimposition, and splitting.
- \* Support real-time preview of the input signal through the client, and the signal status is under control.
- \* Station logo: without adding external devices, it supports adding text or picture to the input source as the logo; the font, font size, color and background color of the logo can be customized; the logo size can be changed as needed.
- \* Subtitles: without adding external devices, subtitles (such as welcome messages) can be displayed on the splicing screen. The font size, color, and position can be customized, and dynamic scrolling of subtitles is supported.
- \* Local HD basemap: without adding external devices, it supports the display wall basemap function, you can load local pictures, and can set the basemap function on and off on the software.
- \* Designed with a 3.5mm analog audio interface, support external audio and HDMI embedded audio transmission, and support audio addition and de-embedding.
- \* Support KVM function, capture screen and send screen graphically (non-text), send screen to any monitor or large screen, support KVM cross-screen roaming, support virtual mouse control, optimize KVM operation experience, support cross-platform operation, including Windows, Linux, Mac and other system platforms.
- \* KVM supports OSD menu visual management, the number of preview videos on a single page can be adjusted as needed, the maximum number of previews on a single page can reach ten, and information prompts and confirmations are provided meanwhile.
- \* Support KVM role permission management, control KVM signal management permission through the server permission management function.
- \* Support access to the fingerprint reader to realize fingerprint identification, fingerprint login of the KVM, building a fast, reliable and secure access channel.
- \* Support the virtual KVM function, realize the analog mouse operation on the PC, server and other equipment on the tablet side, support the control of the playback video source, and the ppt page turning (previous page, next page) operation.
- \* Built-in self-developed video splicing synchronization algorithm, no splicing processor is required, and can be directly connected to LED, LCD, DLP and other splicing screens, and the picture synchronization is not tearing.
- \* Support the function of central control, with an independent 232 serial port, a 485 port, 3 IO ports and 4 infrared output ports, and support custom programming.
- \* Built-in infrared learning module, support learning infrared codes of infrared remote control devices including camera remote control.
- \* The control interface supports two-way data transmission, and supports access to sensor devices to display environmental data and other information on the tablet side.
- \* Desktop structure design, optional cabinet-type cooling rack, and unified power supply management.
- \* Adopt embedded linux system, support 7x24 hours continuous operation.
- \* Support online batch upgrade through the server.
- \* Support automatic recovery from abnormal power failure, and the device automatically recovers to the state before the power failure.
- \* Support one-key reset of the dynamic IP function.
- \* Support DC12V/POE dual power supply mode, low power consumption, 7W maximum.
- \* Support fiber/network port dual link backup.



### Specification

<b>Processing capability</b>	Support up to 4K@30fps, up to 2 channels of 4K@30 or 8 channels of 1920*1080@30fps codec
<b>Codec capability</b>	Support H.264/H.265 video encoding, PCM audio lossless transmission
<b>Video port</b>	1*HDMI IN, 1*HDMI OUT, 1*VGA OUT
<b>Audio port</b>	1*3.5mm stereo audio input, 1*3.5mm stereo audio output, input sensitivity: 775mV
<b>USB port</b>	2*USB2.0 (KVM port), 1*USB3.0
<b>Network port</b>	1*RJ45, 10/100/1000Base-T, support POE
<b>OPTICAL port</b>	1*SFP
<b>Serial port</b>	1*RS-485, 1*RS-232
<b>Infrared port</b>	1*IR learning window, 4*IR OUT
<b>I/O port</b>	3*I/O port
<b>Weak relay port</b>	2*RELAY port
<b>Reset button</b>	1*pinhole RESET button
<b>Mode switch</b>	1*input and output mode switch
<b>Indicator light</b>	Running indicator, optical indicator, infrared signal sending indicator, power indicator
<b>Power supply</b>	DC 12V/POE
<b>Maximum power consumption</b>	7W
<b>Ambient temperature</b>	-10°C~45°C (working state); -15°C~45°C (non-working state)
<b>Ambient humidity</b>	5%~90% (working state), no condensation
<b>Weight</b>	About 0.9kg
<b>Dimension (L*W*H)</b>	240*117*44.8mm