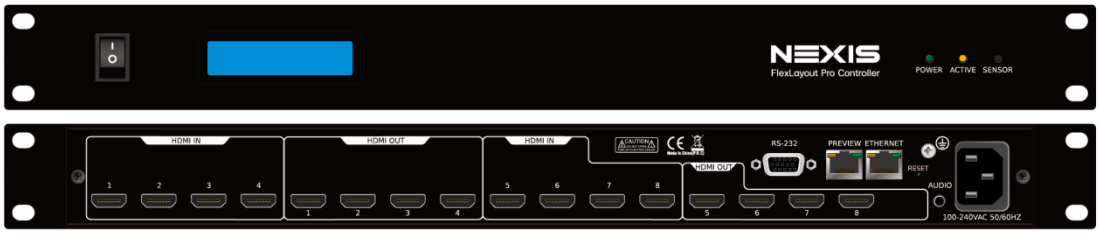
VW1808A HDMI seamless matrix splicing (with video wall and multi-window)
Version V1.7



key property：

- It has 8 HDMI inputs, 8 HDMI seamless outputs and 1 with analog audio output, which supports network preview video input and real-time status of splicing screen.
- Input and output support up to 1920x1080@60Hz, 4:4:4 chromatic sampling, compatible with HDMI 1.3 and HDCP 1.4.
- Provides flexible layout options, support for any window, roaming, zoom, signal switching and overlay.
- A single interface supports up to 8 layers, and the whole splicing wall supports up to 16 layers.
- Built-in IP visual preview function, can monitor the input signal picture in real time, and feedback the current state of the splicing wall;
- Three display functions: matrix/video wall/multi-view function, to meet the display needs of multiple scenarios.
- Multiple control modes: RS232, TCP/IP, web page control, PC software control, Android software control and IOS software control.
- Front Panel LCD Screen display IP address Info.

Product Overview:

The VW1808A HDMI Seamless Matrix Switcher features 8 HDMI inputs, 8 seamless HDMI outputs, and 1 analog audio output. It supports network video preview inputs and real-time status monitoring for video splicing screens. Compatible with 1920x1080@60 4:4:4 resolution, it enables seamless real-time switching. The device

offers IP visual preview, flexible layout configuration, multi-layer display capabilities, image editing support, large-screen splicing integration, multiple control modes, and intelligent management systems, catering to diverse application scenarios.

functional characteristics：

- It has 8 HDMI inputs, 8 HDMI seamless outputs and 1 with analog audio output, which supports network preview video input and real-time status of splicing screen.

● Input and output support up to 1920x1080@60Hz, 4:4:4 chromatic sampling, compatible with HDMI 1.3 and HDCP 1.4 standards.

● Visual management: Built-in IP preview function, can monitor the input signal picture in real time, and feedback the current status of the splicing wall.

● Flexible layout: support any window opening, roaming, zooming, signal switching and picture overlay operations.

● Preview window expansion: A single interface supports up to 8 layers, and the entire splicing wall supports up to 16 layers.

● EDID management: It supports the selection of multiple built-in EDID files, reads and outputs the EDID of display devices and applies it to the input end, and also supports EDID file update.

● Image clip function: Support for local cropping of input images as display signals.

● Logo adding function: It supports to add logos on the input image, and it supports any language, font and size can be adjusted.

● Built-in signal generator: The input and output channels provide 11 kinds of professional test images for engineering debugging.

● LED or LCD large screen synchronous splicing processing: support seamless splicing and synchronous display.

● Scroll caption function: Support for scrolling caption on the large screen, including any language, font and size adjustment.

● Graphical control interface: Support intuitive graphical control through web page or PC software.

● Volume control: The volume of each input channel can be adjusted through the software, and one-click mute function is supported.

● Multiple control modes: RS232 control, TCP/IP network control, web control, PC software, Android software control and IOS software control, providing flexible and convenient operation experience.

● Output port mapping: Flexible configuration of output port mapping is supported to improve the convenience of use.

● Intelligent device management: real-time update of input source status, support to view device temperature and version information.

● Multi-user permission management: It supports multiple connections and multi-user operations, and can assign different management permissions and port management scope to different users.

● Plan management: Support one-click save and call plans to simplify the operation process.

● Stitching compensation setting: It supports adjusting the screen gap when the picture is spliced to optimize the visual effect.

Detailed parameters:

model	VW1808A
import	8 HDMI
output	8 HDMI, 1 analog audio
Video protocol	HDMI 1.3、HDCP 1.4
Maximum resolution	1920x1080@60 Hz
HDMI joggle	Type A, 19 pins, female head
serial interface	RS-232
Enter the cable length	10 meters
Output cable length	10 meters
impedance	100±15 ohms
RJ45, control protocol	TCP/IP protocol
Ethernet rate	Adaptive 10M/100M/1000M
Storage environment	Temperature: -20°C ~ +70°C, humidity: 10%~90%
work environment	Temperature: 0°C ~ +50°C, humidity: 10%~90%
source	AC100~240V 50/60Hz
maximum power	65 watts
Computer case specifications	1U
Size (width x depth x height)	482x350x46.3 mm
weight	3.5 kilograms
MTBF	30,000 hours
guarantee	One year warranty and lifetime maintenance

System connection diagram:

