

## H2

# VIDEO WALL SPLICER (CORE-SYSTEM)

The H2 is Novastar's newest generation of video wall splicer, featuring excellent image quality and designed especially for fine-pitch LED screens.

The H2 can work as splicing processors that integrate both video processing and video control capabilities, or work as pure splicing processors. The whole unit adopts a modular and plug-in design, and allows for flexible configuration and hot swapping of input and output cards (all input/output cards must be ordered separately).

Thanks to excellent features and stable performance, the H2 can be widely used in a variety of applications, such as energy, judicial departments and prisons, military command, water conservancy and hydrology, earthquake prediction, enterprise management, metallurgy of steel, banking and finance, national defense, public security traffic management, exhibitions and presentations, production scheduling, radio and television, educational and scientific research, as well as stage rental applications.

Based on the powerful hardware FPGA system architecture, with a modular and plug-in design, the H2 features a stable and highly efficient pure hardware architecture, and provides a variety of connector modules for flexible and personalized configuration, allowing for easy maintenance and low failure rate. The H2 provides the industry-standard input connectors, including HDMI, DVI, DP, VGA, CVBS, SDI and IP, and supports 10-bit video source input and processing, as well as 4K high-definition inputs and outputs. The H2 also provides two kinds of LED 4K sending cards, allowing for the backup between the OPT ports and Ethernet ports as well as ultra-long distance transmission. Moreover, the H2 supports multi-screen and multi-layer management, input and output EDID management and monitoring, input source renaming, BKG and OSD settings and more, bringing you a rich image construction experience. In addition, the H2 adopts the B/S architecture and supports cross-platform, cross-system access and control without the need to install an application program.

On a Windows, Mac, iOS, Android or Linux platform, online collaboration of multiple users is supported and the Web page response speed is very fast, which greatly improves on-site setup efficiency. What's more, the H2 supports online firmware update, allowing for easy hardware update on a PC.



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## PRODUCT DETAILS

### KEY FEATURES

Two kinds of LED 4K Sending Cards available: - H\_20xRJ45: Manages up to 13 million pixels, - H\_16xRJ45: Manages up to 10.4 million pixels (incl. 2x OPT-Out)

Different configurations possible on one Sending Card: - 4x 2Kx1K@60Hz, - 2x 4Kx1K@60Hz, - 1x 4Kx2K@60Hz

Online monitoring for all input & output cards

"Hot-Swap" function for all input & output cards

IP input card H\_2xRJ45 supports up to 100 IP cameras and input mosaic

Auto decryption of HDCP-encrypted sources

Decimal frame rates supported

HDR10 and HLG processing

Each screen can have its own output resolution

Output mosaic and irregular screen configuration

Multi-layer display: 16x 2K layers, 8x DL layers or 4x 4K layers

OSD settings on a single screen and adjustable OSD transparency

BKG settings

Color adjustment: brightness, contrast, saturation, hue and gamma

XR scenario control

Web control

Self-test for fault detection

### SPECIFICATIONS

Frontal LCD Display

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<b>Max. number of input cards</b>	4
<b>Max. number of input channels</b>	16
<b>Max. number of output cards</b>	2
<b>Max. Loading Capacity</b>	26,000,000 Pixel
<b>Max. Number of layers</b>	32
H_4xDVI input card (optional)	
H_4xHDMI input card (optional)	
H_1xHDMI2.0+1xDP1.2 input card (optional)	
H_2xRJ45 IP input card (optional)	
H_4x3G SDI input card (optional)	
H_2xCVBS+2xVGA input card (optional)	
H_4xVGA input card (optional)	
H_2xDP1.1 input card (optional)	
H_STD I/O card (optional)	
H_1x12G SDI input card (optional)	
H_1xHDMI2.0 input card (optional)	
H_16xRJ45+2x fiber sending card (optional)	
H_20xRJ45 sending card (optional)	
H_2xRJ45+1xHDMI1.3 preview card (optional)	
H_Control Card (optional)	
<b>Rack Unit</b>	2U
<b>Input voltage</b>	100–240V, 50/60Hz, 10A–5A
<b>Power consumption</b>	210W
<b>Working temperature</b>	from 0°C to 45°C
<b>Working humidity</b>	from 0% RH to 80% RH, non-condensing
<b>Product size</b>	482.6 × 88.1 × 455 mm (19 × 3.47 × 17.91 in)