VANGUARD LED DISPLAYS

H5

NOVASTAR 1G

# H-Series

ideal for

## Large displays, complex inputs

summary

The H-Series by Novastar offers endless flexibility for complex displays. Offering an expansive selection of options for inputs and outputs and with chassis' ranging from 2RU up to an impressive 20RU, H-Series is an excellent option for displays large and small.

Based on a chassis system with customizable input and output cards, H-Series is configured to your exact needs. All models share the same configuration and operation story, so the choice of chassis is determined by how many input and output cards are needed.

Beyond consolidating several controllers into one for large displays, H-Series provides sophisticated control over all inputs via a simple and end-user friendly web-browser interface. Whether a display is extremely large and/or has complicated need for source handling, H-Series

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inputs

HDMI DVI DP SDI IP

optional

- Multi-function box
- Light sensor for smart brightness
- Back-up power supply

# 4K capacity, in each output card

Novastar's flagship video splicing processor introduces several key advantages when designing the processor support for an LED display.

The primary output cards which support the display itself come with 16 or 20 output ports.  Each output card supports the capacity on an MCTRL-4K controller.  When paired with the processing power integrated in t he series, users can not only support 4K, but also scaling, windowing, and configuration of user presets to switch between active inputs and their layout on the display.  The 20-port output card satisfies the need for 18 ports with 0.9mm 4K displays where only two panels can cascade data.

Utilizing the layout flexibility of the system, a single H-Series controller can simultaneously support and control content to multiple screens and with several layouts for each display.

Large and small screens alike can benefit from the dynamic content handling interface.  With optional fiber out, an H-Series controller can also centrally manage displays across a large distance.

For environments with a mixture of display technologies, H-Series has output options HDMI (up to 4K), DVI, and 3G-SDI.  Control all displays using the same easy-to-use interface.

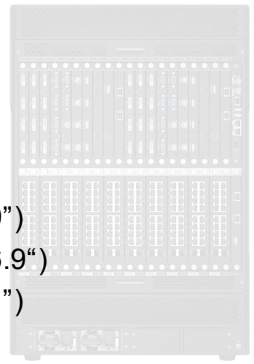
| | |
|---|---|
| output cards | **4** DVI<br>**4** HDMI (1.4)<br>**2** HDMI (2.0)<br>**16** RJ45 **2** Fiber<br>**4** Fiber<br>**20** RJ45<br>**4** 3G-SDI<br>**4** RJ45 (LAN) |
| main board | **1** Genlock (IN) **1** Genlock (OUT)<br>**1** RJ45 (LAN)<br>**2** USB 2.0<br>**1** RS-232 (IN) **1** RS-232 (OUT) |
| preview and monitoring | **2** RJ45 (LAN) **1** HDMI (1.3) |

| | |
|---|---|
| input cards | **4** DVI<br>**2** HDMI (1.3) **2** HDMI (1.4)<br>**2** HDMI (2.0) **2** DP (1.2)<br>**1** HDMI (2.0) **1** DP (1.2)<br>**1** HDMI (2.0)<br>**1** DP (1.2)<br>**2** HDMI (2.0)<br>**2** RJ45<br>**4** 3G SDI<br>**1** 12G SDI (IN) **1** 12G SDI (LOOP)<br>**2** CVBS **2** VGA<br>**2** DP (1.1)<br>**4** VGA<br>**2** Audio (IN) **2** Audio (OUT)<br>**4** RJ45 (LAN) |

| | |
|---|---|
| operating voltage | 100 – 240V AC, 50/60Hz |
| operating temp | 0° – 45°C (-32° – 113°F) |

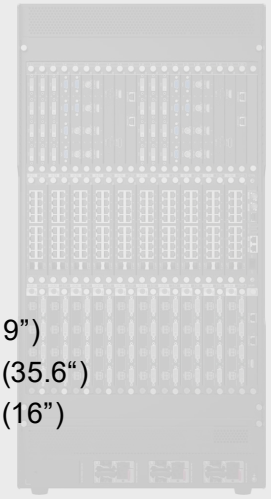
| model name | **H2** |
|---|---|
| input | up to 4 cards |
| output | up to 2 cards |
| loading capacity | 26 million pixels |
| output windows | 16 x 1080p |
| dimensions | WIDTH 483mm (19”)<br>HEIGHT 88mm (3.5“)<br>DEPTH 530mm (20.1”) |
| weight | 12.2kg (26.9lbs) |

| model name | **H15** |
|---|---|
| input | up to 30 cards |
| output | up to 10 cards |
| loading capacity | 208 million pixels |
| output windows | 160 x 1080p |
| dimensions | WIDTH 483mm (19”)<br>HEIGHT 683mm (26.9“)<br>DEPTH 533mm (21”) |
| weight | 41.1kg (90.6lbs) |



| model name | **H5** |
|---|---|
| input | up to 10 cards |
| output | up to 3 cards |
| loading capacity | 38 million pixels |
| output windows | 48 x 1080p |
| dimensions | WIDTH 483mm (19”)<br>HEIGHT 228.2mm (9“)<br>DEPTH 533mm (21”) |
| weight | 17kg (37.5lbs) |

| model name | **H20** |
|---|---|
| input | up to 40 cards |
| output | up to 20 cards |
| loading capacity | 260 million pixels |
| output windows | 320 x 1080p |
| dimensions | WIDTH 483mm (19”)<br>HEIGHT 905.2mm (35.6“)<br>DEPTH 406.1mm (16”) |
| weight | 47.7kg (105.1lbs) |



| model name | **H9** |
|---|---|
| input | up to 15 cards |
| output | up to 5 cards |
| loading capacity | 65 million pixels |
| output windows | 80 x 1080p |
| dimensions | WIDTH 483mm (19”)<br>HEIGHT 405.8mm (16“)<br>DEPTH 533mm (21”) |
| weight | 27.2kg (60lbs) |

H9