

## The controller with limitless capabilities



ideal for

## Large displays, complex inputs

summary

Infinity controllers utilize a card/chassis. This allows for the optimal customization to any LED display system. By combining Infinity with Vanguard displays there is no need for expensive switcher/multi-window processors which will result in significant savings.

Ample input and output options guarantee that Infinity controllers can meet the requirements of the most complex direct view LED system.

Infinity controllers can also be paired with the Vanguard LED VE4K encoder to enable dynamic screen sharing from a high volume of connected machines.

Three chassis sizes allow for the perfect configuration of inputs, outputs, and optimal functionality.



inputs



HDMI



DVI



DP



SDI



IP

optional

**LIGHT**

smart/auto  
brightness



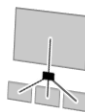
**PWR+**

power  
backup



**VE4K**

switching  
control



**TAA**

TAA  
compliant



model name

## Infinity 4U

input

up to 4 cards, 16 channels

output

up to 4 cards, 26 million pixels

output windows

16 x 1080p

dimensions

WIDTH 483mm (19")

HEIGHT 177.8mm (7")

DEPTH 406.1mm (16")

weight

12.5kg (27.5lbs)

model name

## Infinity 7U

input

up to 8 cards, 32 channels

output

up to 8 cards, 52 million pixels

output windows

32 x 1080p

dimensions

WIDTH 483mm (19")

HEIGHT 276.8mm (10.9")

DEPTH 406.1mm (16")

weight

19.3kg (42.5lbs)

model name

## Infinity 11U

input

up to 16 cards, 64 channels

output

up to 18 cards, 117 million pixels

output windows

72 x 1080p

dimensions

WIDTH 483mm (19")

HEIGHT 488mm (19.2")

DEPTH 475.2mm (18.7")

weight

38kg (83.8lbs)

operating voltage

100 - 240V AC, 50/60Hz

operating temp

10° - 45°C (50° - 113°F)



# input, output, and control cards

## output cards

- 8** RJ45 GbE
- 10** RJ45 GbE
- 4** RJ45 5G
- 2** 10G fiber
- 1** HDMI2.0 (4K)
- 4** DL-DVI (2K)
- 4** HDMI1.4 (2K)

## input cards

- 1** HDMI2.0 (4K)
- 1** DP1.2 (4K)
- 1** 12GSDI (4K)
- 1** HDMI2.0 (4K), **1** DP1.2 (4K)
- 4** DL-DVI (2K)
- 4** HDMI1.4 (2K)
- 4** VGA (2K)
- 2** VGA (2K), **2** CVBS
- 4** 3G-SDI (2K)
- 2** RJ45 (4K)

## main board

- genlock I/O
- Genlock loop
- RS-232 serial port
- USB 3.0
- Ethernet control port
- 3D port

## preview and monitoring

- 1** HDMI1.4 (2K)



# secure and expansive control

ideal for

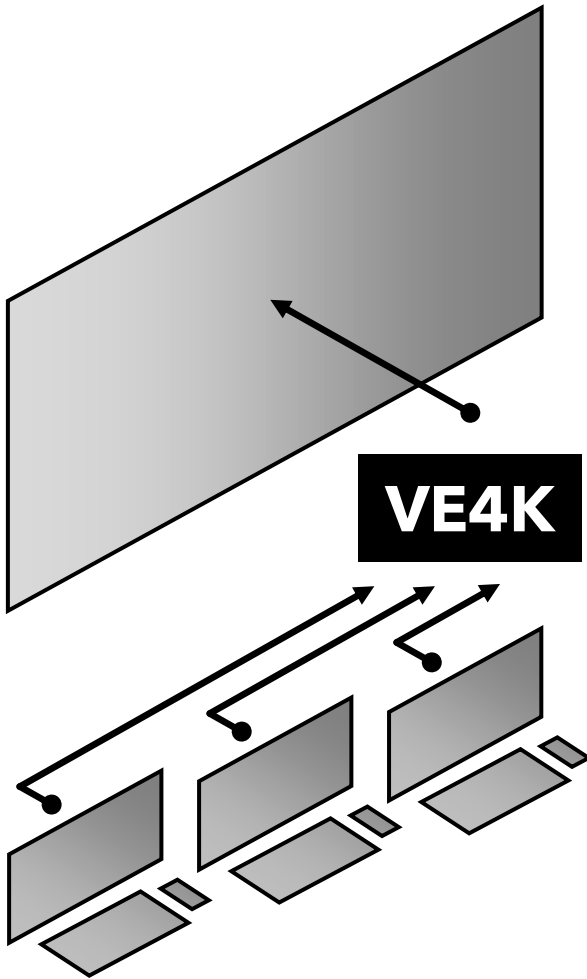
## Command and control

summary

The **VE4K** (*Vanguard Encoder 4K*) is an optional peripheral for the Infinity controller series.

An IP-based HDMI extender for management of workstations (*up to 160*) in a SCIF, watch floor, or command center. Coordinate and manage different categories of content. Mirror select stations on the main display on-the-fly or in combination with defined preset layouts.

Infinity will receive a network cable from the switch and receive the signal from the workstation and apply it to the window of the user's choice on the wall.



connections

- 1** HDMI1.4 (2K) - in | out | loop
- 1** 35mm Audio jack - in | out | loop
- 3** USB3.0
- 1** USB2.0
- 1** fiber
- 1** ethernet
- 1** control for PC, IR, RS232, RS485

