INFINITY

Limitless Capabilities to Create an all-encompassing Data Wall

1G

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 support an ideal data wall, exceeding 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+ redundant power supplies

VE4K switching control

TAA CLASS compliant configuration

VANGUARD
LED DISPLAYS

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)

output cards		input cards	
8	RJ45 GbE	**1**	HDMI2.0 (4K)
10	RJ45 GbE	**1**	DP1.2 (4K)
4	RJ45 5G	**1**	12GSDI (4K)
2	10G fiber	**1**	HDMI2.0 (4K), **1** DP1.2 (4K)
1	HDMI2.0 (4K)	**4**	DL-DVI (2K)
4	DL-DVI (2K)	**4**	HDMI1.4 (2K)
4	HDMI1.4 (2K)	**4**	VGA (2K)
		2	VGA (2K), **2** CVBS
main board		**4**	3G-SDI (2K)
	genlock I/O	**2**	RJ45 (4K)
	Genlock loop		
	RS-232 serial port	**preview and monitoring**	
	USB 3.0	**1**	HDMI1.4 (2K)
	Ethernet control port		
	3D port		

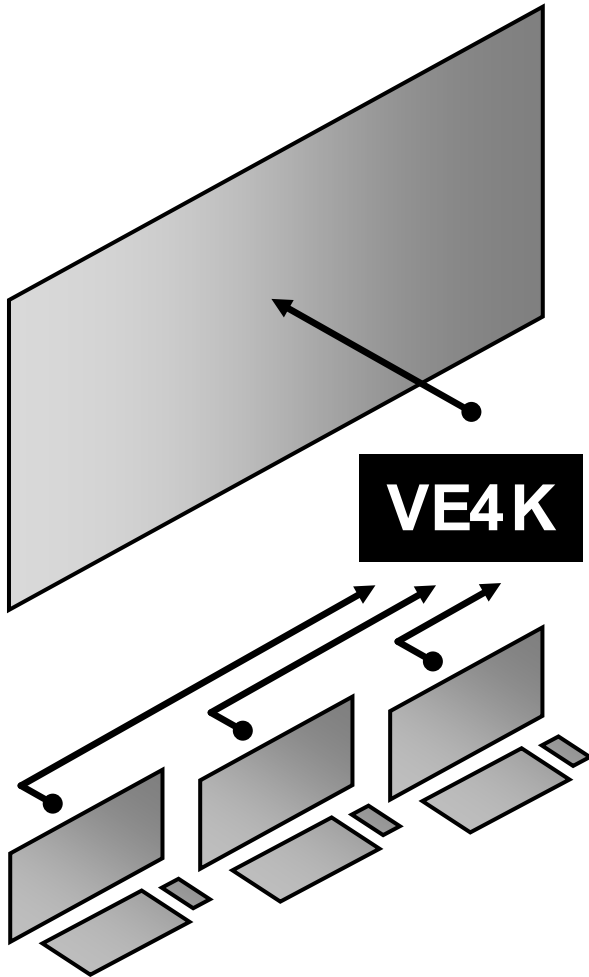# secure and expansive control

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 to the data wall in real time or in combination with defined preset layouts.

The Infinity controller 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.

VE4K

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