

## Video Wall Controller Solutions

Advanced Graphics Display Technology



### + POWERFUL WALL CONTROLLER

Datapath's VSN1170 video wall controller has been designed for large video wall installations and control rooms. Suitable for operation centres, military facilities, process control services, boardrooms, classrooms and hospitals the VSN1170 offers the perfect balance between video capture and image display.

Providing seamless compatibility with Datapath's portfolio of Vision capture and Image graphics cards, the VSN1170 has been designed, developed and optimised to provide Ultra High Definition video & audio capture, including the capture of multiple, independent HDCP sources for display across the entire video wall.

### + EXCELLENT INTEL® PROCESSING

The VSN1170 is an industrial PC incorporating an 11 slot PCIe backplane. The switched fabric technology provides 11 x8 lane PCIe slots implemented with x16 physical connectors, with each slot capable of providing up to 8GB/s bi-directional bandwidth.

Each system includes the Datapath SBC4, a single board computer that features an Intel Core i7 processor, up to 16GB of DDR3 memory and on-board graphics.

The flexibility of the Express11-G3 technology allows multiple backplanes to be arranged in a star configuration. This provides the ability to create very large systems comprising several chassis each with 11 available slots for video capture inputs and/or graphics outputs, connected via the optional Gen3 expansion kit.

## + ADD FEATURES

When used in conjunction with Datapath's Wall Control software, users of the VSN1170 are able to easily manage the entire video wall. Features of Wall Control software include the ability to: control video resolution and scale, cropping area, frame rate and position of the output on the video wall. The Datapath Vision set of drivers allow OEM suppliers to build efficient display control and content management applications, making full use of the underlying hardware capability.

## + RELIABILITY

The VSN1170 video wall controller has been designed for use in demanding control room environments, with each component having been rigorously tested to ensure high levels of reliability and performance.

The VSN1170 can be pre-installed with Wall Monitor software, an application that monitors system temperature and includes alarm mechanisms that can warn operators if the system begins to operate outside of normal parameters.

## + MODELS AVAILABLE

Order Code: VSN1170-RPSU  
Video Wall Controller with 800 Watt RPSU

Order Code: VSN1100X-RPSU  
Expansion chassis with 800 Watt RPSU

*All products are shipped with the latest software available, unless stated otherwise. Special requirements may be organised by contacting our Sales team.*

*We are continuously developing the technology used within our product ranges delivering outstanding innovative solutions, therefore the specification may change from time to time.*



## + SPECIFICATIONS

### MOTHERBOARD

SBC4	Portwell ROBO8112 Q87
Processor	Intel® Core i7 4770s Clock speed 3.1 GHz Cache 8MB
Memory	8GB as standard (up to 16GB on request)
Ethernet	Dual 10Base-T/ 100Base-TX/ 1000 BaseT
On-board Graphics	DVI connection for control screen
RS232	For control

### DISK STORAGE

HDD	2 x Western Digital RED 750GB Enterprise Grade RAID 1 configured
Optical Drive	DVD/ RW combo drive

### CONNECTIVITY

USB	2 x 3.0 (back panel) 6 x 2.0 (2 front, 2 back, 2 internal*)
	*Internal ports for security dongles

### OPERATING SYSTEM

Windows7 Ultimate 64 bit

### BACKPLANE

Features	3rd generation PCIe switched fabric 11 slot x8 - 8GB/s uplink and downlink
----------	---

### POWER

800 Watt RPSU Dual Redundant

### ENVIRONMENT

Operating temp	0 to 35 DegC (32 to 95 DegF)
Storage Temp	-20 to 70 DegC (-4 to 158 DegF)
Relative Humidity	5% to 90% non-condensing
Noise	48.6dB (A) up to 67.9dB (A); Dependent on system config & ambient temp

### DIMENSIONS

Length	L500mm x H175mm x W482.1mm
Weight	19 - 25kg (Shipped 30-33kg)

### COMPLIANCE

FCC/ CE/ ROHS/ UL/CCC