

# VSN V3

Scalable and ultra-secure  
video wall controller



## MISSION-CRITICAL VIDEO WALL CONTROLLERS

Datapath VSN controllers are engineered from the ground up for maximum performance, reliability, and efficiency. They capture, process, and display content on video walls across a range of industries, from small corporate meeting rooms to large critical control rooms and prestige installations.

Installed with Intel processors and memory options, Datapath VSNs can be preconfigured with Datapath Image graphics, Vision capture, and SQX IP decode cards for your specific project requirements.

## POWER EFFICIENCY

The V3 generation introduces the latest technology in power efficiency and system cooling, and chassis enhancements to improve airflow and simplify system maintenance.

The VSN V3 includes support for 12th generation (Alder Lake) Intel Core i9 or Core i7 processors, with memory options available of up to 64GB (ECC and non ECC). USB 3.0 is also now included to support high transfer speeds and connectivity to the latest devices.

Engineering the **world's best** visual solutions

  
**DATAPATH**  
EXCELLENCE BY DESIGN

# The world's most advanced video wall controller

## OPTIMIZED SYSTEM COOLING

The chassis includes hot-swappable fans, enabling uninterrupted 24/7 use and maintenance in the most critical installations. It has been redesigned to further optimize airflow, improve heat management, and reduce noise. This new design, along with a new platinum rated redundant power supply, makes this the most efficient VSN yet.

## RELIABILITY

Datapath's VSN V3 video wall controller has been designed for use in demanding control room environments. Each component has been rigorously tested to ensure high levels of performance and reliability.

Diag-Suite is available on all Datapath systems and provides real time information on the performance of the controller and can be used by system administrators and support teams to quickly identify and rectify any problems.

## SPECIFICATION

### MOTHERBOARD

#### VSN V3

Portwell ROBO8116G2AR

### PROCESSOR

#### Core i9

12th generation Intel® Core i9  
Clock speed 5.10GHz. 30MB cache

#### Core i7

12th generation Intel® Core i7  
Clock speed 4.90GHz. 25MB cache

### MEMORY

32GB (Standard)  
64GB (Upgrade)

### ETHERNET

Dual 10Base-T/ 100Base-TX/  
1000BaseT

### ON-BOARD GRAPHICS

DisplayPort, HDMI

### DISK STORAGE

#### Hot swappable SSD

2 x 240GB (RAID 1)  
Upgrade option: 2 x 480GB SSD

### CONNECTIVITY

#### USB

4 x 3.0  
2 x 2.0  
1 x USB C

### BACKPLANE

#### Features

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

## COMPATIBILITY

The Datapath VSN V3 wall controller is compatible with Windows 10 LTSC 21H2 operating system.<sup>1</sup>

## MODELS AVAILABLE

The VSN V3 system is available with Windows 10 and includes the following features:

VSN V3 11 slot system with an Intel® Core i9 or i7 processor, 32GB of RAM, dual 240GB SSD drives and 800W RSPU.<sup>2</sup>

Order Codes:

Core i9, 32GB RAM, 240GB SSD: VSN-V3-11-A-RPSU

Core i7, 32GB RAM, 240GB SSD: VSN-V3-11-B-RPSU

### DIMENSIONS

#### Size

507.6mm (l) x 177mm (h) x  
482.6mm (w) with rack ears.

#### Weight

19kg - 25kg (shipped 30kg - 33kg)

### COMPLIANCE

CE, UKCA, FCC

### POWER

#### VSN V3

RPSU 800W, 100-240V~, 50/60Hz

### OPERATING TEMPERATURE

0°C TO 35°C

### STORAGE TEMPERATURE

-20°C TO 70°C

### RELATIVE HUMIDITY

10% to 95% Non-Condensing<sup>3</sup>

### OPERATING ALTITUDE

Up to 5,000m

### NOISE

Between 52dB & 80dB<sup>3</sup>  
Dependent on system config &  
ambient temp

<sup>1</sup> Datapath systems are not compatible with Windows 10 Home edition. Windows 10 LTSC 21H2 is available with Microsoft support until 2032.

<sup>2</sup> All products are shipped with the latest software versions, unless stated otherwise. The specification stated is a minimum only. Higher specification systems may be provided without prior notice. Special requirements may be organised by contacting our Sales team.

<sup>3</sup> Chassis fan speed is selected by the driver and can be affected by factors such as ambient temperature- system configuration & processor performance, amongst other things.

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