# 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, Core i7 or 10th genertation Single Xeon processors, with memory options available of up to 128GB (ECC and non ECC). USB 3.0 is also now included to support high transfer speeds and connectivity to the latest devices.

DATAPATH
EXCELLENCE BY DESIGN

A VITEC COMPANY

# 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.

## MODELS AVAILABLE

The VSN V3 is available with either an 11 or 5 slot backplane. Each VSN V3 is available with a choice of Intel Corei9, Corei7, Corei5 or Xeon processors.

All systems are shipped with Windows 10 21H2 LTSC, dual 480GB SSD and an 800W RPSU. [1], [2]. Windows 11 LTSC 24H2 can be requested at the time of ordering at no additional cost.

Order Codes:
Default configuration includes 32GB RAM & 480GB SSDs in RAID.

| | |
|---|---|
| **11 slot systems:** | |
| Core i9 | VSN-V3-11-A-RPSU |
| Core i7 | VSN-V3-11-B-RPSU |
| Single Xeon | VSN-V3-11-G-RPSU |
| **5 Slot systems:** | |
| Core i9 | VSN-V3-5-A-RPSU |
| Core i7 | VSN-V3-5-B-RPSU |
| Core i5 | VSN-V3-5-C-RPSU |
| Single Xeon | VSN-V3-5-G-RPSU |
| **Expansion Systems:** | |
| 11 slot Expansion | VSN-V3-11-X-RPSU |
| 5 slot Expansion | VSN-V3-5-X-RPSU |

## SPECIFICATION

**MOTHERBOARD**
**VSN V3 Core Processors**
Portwell ROBO-8116VG2AR supporting DDR5 memory
**VSN V3 Xeon Processor**
Portwell ROBO-8115VG2AR supporting DDR4 memory

**PROCESSOR**
**Core i9**
12th generation Intel® Core i9
Clock speed 5.10GHz. 30MB cache
**Core i7**
12th generation Intel® Core i7
**Core i5**
Clock speed 4.90GHz. 25MB cache
12th Generation Intel Core i5 Clock speed, 18MB Cache
**Xeon**
10th Generation Intel Xeon W-1270E Clock Speed 4.8GHz
16MB Cache

**MEMORY**
32GB (Standard)
64GB (Upgrade)
128GB (Xeon upgrade)

**ETHERNET**
Dual 10Base-T/ 100Base-TX/ 2500BaseT

**ON-BOARD GRAPHICS & AUDIO**
Display Port, HDMI - V3 systems with Intel core i5, i7 or i9 processors
DVI-I – V3 systems with Intel Xeon processors
All systems have 3.5mm audio jack

**DISK STORAGE**
**Hot swappable SSD**
2 x 240GB SSD [4]
Upgrade option: 2 x 960GB SSD

**CONNECTIVITY**
**USB**
4 x 3.0
2 x 2.0
1 x USB C (VSN V3 Intel Core i5/i7/ i9 versions only)

**BACKPLANE**
**Features**
3rd generation PCIe switched fabric with 5 or 11 slot x8 – 8GB/s uplink and downlink

**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'

**OPERATING ALTITUDE**
Up to 5,000m

**NOISE**
Between 52dB & 80dB[3]
Dependent on system config & ambient temp

**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
This Datapath product conforms with EU CE Legislation and related IEC product safety standards along with part 15 of the FCC rules. TAA Compliant as per the rules of the US Government Trade Agreement Act.

*[1] Datapath systems are not compatible with Windows 10 Home edition. Windows 10 LTSC 21H2 is available with Microsoft support until 2032.*

*[2] 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.*

*[3] 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.*

*[4] Minimum capacity. Higher capacity drives may be provided.*


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