VSN 1190

Video Wall Controller Solutions
Advanced Graphics Display Technology

High Performance Wall Controller

The VSN1190 from Datapath is a video wall controller capable of managing multiple video inputs and graphical outputs in order to drive large video wall installations. Suitable for a range of markets from security facilities to command and control rooms the VSN1190 provides a high performance, scalable solution in complex video environments.

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.

Intel® Xeon Processing

Incorporating an 11 slot PICe backplane the VSN1190 is an industrial video wall processor. The PCIe switched fabric technology provides 11 x8 lane PCIe slots implemented with x16 physical connectors. Each slot is capable of providing up to 8GB/s bi-directional bandwidth allowing for high speed data transfer.

Each system includes the powerful Datapath SBC3, a single board computer that features Dual Intel® Quad Core Xeon processors and up to 32GB of ECC compliant DDR3 memory and on-board graphics.

The flexibility of the Express11 Gen3 technology allows multiple backplanes to be arranged in a Star Configuration, providing the ability to create very large systems comprising several chassis, each with 11 available slots for video capture inputs and graphicial outputs, connected via the optional HLink-G3/SLink-G3 expansion kit.

Added Features

When used in conjunction with Datapath's Wall Control software, users of the VSN1190 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.

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Reliability

The VSN1190 video wall controller has been designed for use in demanding control room environments, which each component having been rigorously tested to ensure the highest levels of reliability and performance.

Each VSN1190 is 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.

Specification

Motherboard	
SBC3	Portwell ROBO 8120 EC5549
Processor	Intel® Quad Core Xeon
	Clock speed 2.53 GHz
	Cache 8MB
Memory	16GB as standard (up to 32GB on request) (DDR3)
Ethernet	Dual 10Base-T/100Base-TX/1000Base-T Ethernet
On Board Graphics ports	DVI Connection for Control Screen
RS232	For Control
Disk Storage	
HDD	2x Western Digital RED 750GB
	Enterprise Grade
	RAID 1 Configured
Optical Drive	DVD/RW Combo Drive
Connectivity	
USB	2 x 3.0 (Back Panel)
	5 x 2.0 (2 Front, 2 Back, 1 Internal)
Operating System	
	Windows® 7 Ultimate 64 bit

Backplane	
Features	3rd generation PCIe switched fabric
	11 slot x8 – 8GB/s uplink and downlink
Power	
	800 Watt RPSU Dual Redundant
Environmental	
Operating Temperature	0 to 35 DegC (32 to 95 DegF)
Storage Temperature	-20 to 70 DegC (-4 to 158 DegF)
Relative Humidity	5% to 90% non-condensing
Noise	48.6dB(A) up to 67.9 db(A); Dependent on system configuration & ambient temp
Dimentions - Standard 4U Chassis	
Length	500mm (inc handles
Height	175mm
Width	482.1mm
Weight	19-25Kg
Shipped Weight	30-33Kg
Compliance	
	FCC / CE / ROHS / UL (TBC)

Models Available

Code	Description
VSN 1190-RPSU	Controller with 800 Watt RPSU
VSN 1100X-RPSU	Expansion chassis with 800 Watt RPSU

All products are shipped with the latest production released software, unless stated otherwise. Special requirements may be organised by contacting our Sales team: sales@datapath.co.uk

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