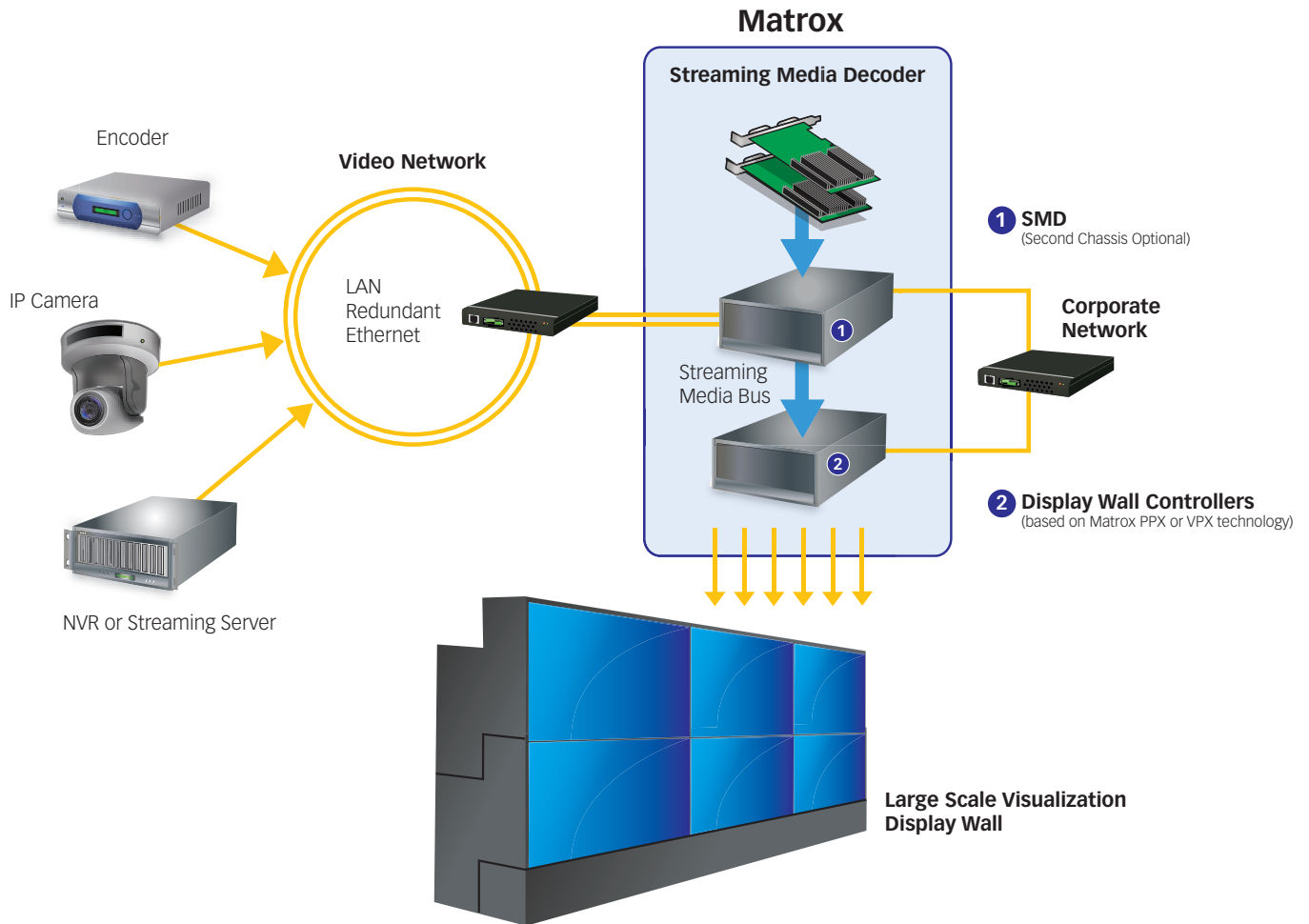


Matrox Streaming Media Decoder™

Add more streams of IP video. Offload the CPU.
Scale to your project's requirements.

The Matrox Streaming Media Decoder (SMD) display controller board receives media streams from multiple edge devices—IP cameras, encoders, media servers, and NVRs—for large scale visualization across an array of displays. Completely integrated with our line of Display Wall solutions, the SMD provides major improvement through hardware-accelerated decoding of compressed video. Matrox IP decoding technology is powerful enough to decode and display multiple mega-pixel camera streams at a 1:1 ratio—meaning you'll see on your display wall every pixel decoded.



About Matrox Streaming Media Decoder

The Streaming Media Decoder (SMD) brings hardware-accelerated IP video decoding to the unrivaled Matrox Display Wall solutions. Performance, scalability, flexibility, and broad support from camera and encoder manufacturers are the key ingredients to our IP decoding solution for display walls. Hardware-accelerated decoding is here; differentiate your solutions for projects demanding more performance.

Simultaneous Decoding of Multiple Video Streams

Each SMD can decode, in parallel, up to 32 QCIF or 8 D1 streams of multiple formats and resolutions. By using multiple SMD controller boards, you can output hundreds of streams to your display grid.

Dedicated Processing Offloads the Host Computer

SMD completely offloads decoding from the system CPU, allowing the CPU to be harnessed by software performing other tasks such as security monitoring, traffic management, and process control.

Flexible IP Decoding Architecture

The SMD has been engineered to allow for the rapid integration of new video codecs and network cameras as they are introduced to the market. With the framework for supporting multiple vendors, it's easy for system integrators to bid on more projects with confidence.

Specifications

Host Bus Interface

PCI-X 64-bit interface

Streaming Resolution Support	Codec Support	IP Cameras & Encoders Support *	
Mega-pixel	MJPEG	ACTi	Mobotix
D1	MPEG-1	ATEME	Optelecom-NKF
4CIF	MPEG-2	Axis Communications	Panasonic
VGA	MPEG-4	Bosch	Siemens Building Technologies
QCIF	H.264	Canon	Sony
Custom formats	WMV	Comerson	Synetics
	Custom formats	Dallmeier	Teracue
		IndigoVision	Truen
		LanAccess	VBrick
		Matrox Imaging	Vivotek
		Mavix	

* Support for new devices and other manufacturers added frequently. Visit www.matrox.com/graphics or contact us for an updated list.

Contact Matrox

Montreal Headquarters: 1-800-361-4903 (North America), 514-822-6364 (Worldwide) | video@matrox.com

London Office: +44 (1895) 827300

Serving: United Kingdom, Ireland, Benelux, France, Spain, Portugal, Middle East, Africa

Munich Office: +49 89 62170-444

Serving: Germany, Austria, Switzerland, Denmark, Finland, Norway, Sweden, Central and Eastern Europe, the Baltic States, Greece, Turkey, Italy

Matrox reserves the right to change specifications without notice. All trademarks and trade names, service marks and logos referenced herein belong to their respective companies.
SGE-5442-D July 2010

matrox[®]