Product Lineup

See the Possibilities.
Matrox Graphics offers the most extensive line of reliable multi-display solutions on the market today.
Matrox Multi-Display Graphics Cards
A pioneer in multi-monitor graphics technology, Matrox offers the most extensive line of multi-display graphics solutions — dual, quad and beyond — on the market today. We work hard to deliver the optimal combination of faultless design, low power consumption, best-of-bred 2D image quality, high MTBF and long product life cycles. Our solutions offer flexible multi-display configurations — from standard to independent, portrait and clone mode for widescreen and custom monitors — to give you more workspace to see and do.

C-Series – Quad and six-output board offering the best combination of performance, power consumption, and display density.

<table>
<thead>
<tr>
<th>Product</th>
<th>Part Number</th>
<th>Max. # of Displays</th>
<th>Card Type</th>
<th>Graphics Memory</th>
<th>Form Factor</th>
<th>On-Board Connections</th>
<th>Maximum Resolutions (Per Display)</th>
<th>Optional Adapter/Cable Upgrade(s) (sold separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C400 PCIe x16</td>
<td>C400-ED2GAF</td>
<td>4 x 4</td>
<td>PCIe x16</td>
<td>2GB GDDR5</td>
<td>ATX / LP</td>
<td>eDP x 2</td>
<td>3506x2100 (single-link)</td>
<td>Mini DisplayPort to DisplayPort adapter (sold separately)</td>
</tr>
<tr>
<td>C600 PCIe x6</td>
<td>C600-ED2GAF</td>
<td>6 x 6</td>
<td>PCIe x16</td>
<td>2GB GDDR3</td>
<td>ATX / ATX</td>
<td>eDP x 6</td>
<td>4608x2100 (single-link)</td>
<td>Mini DisplayPort to DisplayPort adapter (sold separately)</td>
</tr>
</tbody>
</table>

M-Series – Low power consumption, Fanless cooling3 Dual andQuad multi-monitor support. Exceptional performance and image quality.

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<tbody>
<tr>
<td>M9188 PCIe x16</td>
<td>M9188-ED2048F</td>
<td>8 x 8</td>
<td>PCIe x16</td>
<td>2 GB DDR2</td>
<td>ATX / ATX</td>
<td>eDP x 8</td>
<td>2560x1600 (dual-link)</td>
<td>Mini DisplayPort to DisplayPort adapter (sold separately)</td>
</tr>
<tr>
<td>M9148 LP PCIe x16</td>
<td>M9148-ED1024LF</td>
<td>4 x 4</td>
<td>PCIe x16</td>
<td>1GB DDR2</td>
<td>LP / ATX</td>
<td>eDP x 4</td>
<td>2560x1600 (dual-link)</td>
<td>Mini DisplayPort to DisplayPort adapter (sold separately)</td>
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<tr>
<td>M9125 PCIe x16</td>
<td>M9125-ED512F</td>
<td>2 x 2</td>
<td>PCIe x16</td>
<td>512MB DDR2</td>
<td>ATX / ATX</td>
<td>eDP x 2</td>
<td>1920x1200</td>
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</tr>
<tr>
<td>M9120 Plus LP PCIe x16</td>
<td>M9120-ED512LF</td>
<td>4 x 4</td>
<td>PCIe x16</td>
<td>512MB DDR2</td>
<td>LP / LP &amp; ATX</td>
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<tr>
<td>M9120 PCIe x16</td>
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<td>1920x1200</td>
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<tr>
<td>M900 PCIe x16</td>
<td>M900-ED512F</td>
<td>—</td>
<td>PCIe x16</td>
<td>512MB DDR2</td>
<td>ATX / ATX</td>
<td>eDP x 2</td>
<td>1920x1200</td>
<td>—</td>
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<tr>
<td>M900 LP PCIe x16</td>
<td>M900-ED512LF</td>
<td>—</td>
<td>PCIe x16</td>
<td>512MB DDR2</td>
<td>LP / LP &amp; ATX</td>
<td>eDP x 2</td>
<td>1920x1200</td>
<td>—</td>
</tr>
</tbody>
</table>


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<tbody>
<tr>
<td>P690 PCIe x16</td>
<td>P69-MDDE128F</td>
<td>2 x 2</td>
<td>PCIe x16</td>
<td>128MB</td>
<td>ATX / LP</td>
<td>eDP x 2</td>
<td>1920x1200</td>
<td>—</td>
</tr>
<tr>
<td>P690 PCI</td>
<td>P69-MDDP128F</td>
<td>2 x 2</td>
<td>PCI</td>
<td>128MB</td>
<td>ATX / LP</td>
<td>eDP x 2</td>
<td>1920x1200</td>
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</tr>
<tr>
<td>P690 LP PCIe x16</td>
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<td>PCIe x16</td>
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</tr>
<tr>
<td>P690 LP PCIe x16</td>
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<td>PCIe x16</td>
<td>128MB</td>
<td>LP / LP &amp; ATX</td>
<td>eDP x 2</td>
<td>1920x1200</td>
<td>—</td>
</tr>
</tbody>
</table>

G-Series – Cost-effective and highly flexible DualHead graphics cards.

<table>
<thead>
<tr>
<th>Product</th>
<th>Part Number</th>
<th>Max. # of Displays</th>
<th>How it Connects</th>
<th>Maximum Resolutions (Per Display)</th>
<th>Hardware Included</th>
<th>Dimensions</th>
<th>Optional Adapter/Cable Upgrade(s) (sold separately)</th>
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<tbody>
<tr>
<td>GS50 LP PCI</td>
<td>GS50-MDDE32SF</td>
<td>2 x 2</td>
<td>PCIe x16, 32-bit, 66 MHz</td>
<td>128MB</td>
<td>ATX / LP</td>
<td>eDP x 2</td>
<td>1920x1200</td>
</tr>
<tr>
<td>GS50 LP PCI</td>
<td>GS50-MDDP32SF</td>
<td>2 x 2</td>
<td>PCI, 32-bit, 66 MHz</td>
<td>128MB</td>
<td>ATX / LP</td>
<td>eDP x 2</td>
<td>1920x1200</td>
</tr>
</tbody>
</table>

Graphics Expansion Modules
Add external multi-monitor support to laptops, desktops and workstations. Customers benefit from multi-display computing — without the need to open PC chassis.

<table>
<thead>
<tr>
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<th>How it Connects</th>
<th>Maximum Resolutions (Per Display)</th>
<th>Hardware Included</th>
<th>Dimensions</th>
<th>Optional Adapter/Cable Upgrade(s) (sold separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DualHead/DualDisplay Digital/SE</td>
<td>DSG-DPDE0-MF</td>
<td>2 x 2</td>
<td>DisplayPort</td>
<td>2 x 1920x1200</td>
<td>Mini DisplayPort to Thunderbolt adapter</td>
<td>3.8” x 2.5” x 0.8”</td>
<td>—</td>
</tr>
<tr>
<td>DualHead/DualDisplay Digital/SE</td>
<td>DSG-DPDE0-BF</td>
<td>2 x 2</td>
<td>DisplayPort</td>
<td>2 x 1920x1200</td>
<td>DisplayPort to DisplayPort adapter, USB cable</td>
<td>3.8” x 2.5” x 0.8”</td>
<td>—</td>
</tr>
</tbody>
</table>

Visit www.matrox.com/graphics for all software and hardware upgrade options and complete product line details.
Matrox Avio consists of a transmitter and receiver pair, which captures dual digital video, keyboard, mouse, analog stereo audio and USB 2.0 from the host system and extends them uncompressed up to 4 km (2.5 miles) by a single duplex LC-LC fiber optic cable.

### Display Wall Controller Boards
Build small or large collaborative video walls for control rooms, corporate boardrooms, and digital signage applications using multi-functional add-in boards that facilitate capture and display of both analog and digital video sources at all HD Truecolor image quality.

### AV over IP
Matrox Maevex features an encoder/decoder pair that delivers Full HD 1080p60 video and audio over standard LAN connectivity at user-defined low bit rates for minimal network bandwidth consumption and at a fraction of the cost of other solutions. The Maevex Encoder also provides open standard encoding, allowing for both Maevex Decoder and software based playback. Recording up to 1080p60 to NAS or —

### Product Specifications

#### KVM Extenders
Matrox Extenders standard peripherals — keyboard, video and mouse — from the computer by up to 1 km (3280 ft) with fiber-optic cabling to deliver a user experience with less noise, less heat and more workspace.

### Learn More or Purchase
North America Corporate Headquarters: 1 800-361-1408 or 514-822-6000
United Kingdom: +44 (0) 1895 827269, Deutschland: +49 89 62170-444, France: +33 9 75 18 57 53
Email: graphics@matrox.com
Matrox Graphics offers a wide range of specialized graphics solutions for professional markets such as finance, digital media, medical imaging, and enterprise computing. For more information about the entire Matrox Graphics product line, visit www.matrox.com. To locate the office near you to visit, view www.matrox.com/contact. For product support, contact your Matrox representative or visit www.matrox.com/support.
Matrox® Monarch™ HD

Professional video streaming and recording appliance

Matrox Monarch HD is a small, easy-to-use video streaming and recording appliance designed for professional video producers who need to simultaneously stream a live event and record the master quality version for post-event editing. By separating the task of recording from streaming in a single integrated unit, Matrox Monarch HD ensures that the Content Delivery Networks (CDNs) are focused on delivering quality video to your audience while you control the quality of the archive.

From any HDMI input source such as a camera or switcher, Matrox Monarch HD generates an H.264-encoded stream compliant with RTSP or RTMP protocols. While encoding the video at bitrates suitable for live streaming, Matrox Monarch HD simultaneously records a high-quality MP4 or MOV file to an SD card, a USB drive, or a network-mapped drive. Matrox Monarch HD is remotely controlled using any computer or mobile device with a web browser.
**Record master quality video while streaming**

If an event is worth streaming, it is worth recording at the highest possible quality. The better the recording quality, the more value it offers a post event produced asset. These assets can be made available to your audience as fast turnaround VOD files or as fully post produced highlight reels.

Matrox Monarch HD supports sharing the H.264 encoder between the streaming and recording processes so recording quality and upload bandwidth are independent of each other. A typical setting will let a user record a master quality file at 25 Mbps while simultaneously streaming at a bitrate of 5 Mbps. As a dedicated streaming or recording appliance, Matrox Monarch HD can stream at bitrates up to 20 Mbps or record at bitrates as high as 30 Mbps.

Matrox Monarch HD injects the highest quality video into every bit regardless of input source or target bitrate. Combining the power of the built-in H.264 encoder with Matrox’s high quality deinterlacing and scaling engines guarantees stunning results.

**Ready to edit and upload with MP4 and MOV**

Matrox Monarch HD gives the option of recording high quality H.264 video as MP4 or MOV files. These formats offer maximum versatility for use in any application. Upload a file to your own web server or to a Content Delivery Network (CDN) like YouTube. Alternatively, you can directly import the file into most creation tools without the need for file transcoding.

**Robust and practical design**

Powerful and robust, Matrox Monarch HD offers simple, one touch stream and record push-buttons, low power consumption, a locking power connector, and a fanless design. Matrox Monarch HD’s HDMI output makes it easy to monitor what you are streaming and recording, regardless of whether the signal received from a camera, a switcher, a signal convertor, or a computer. All eight channels of embedded audio can be passed from the HDMI input to HDMI output ports. Two channels of analog audio input with loopout are also available via 1/8” stereo jacks. Its design allows Matrox Monarch HD to be just as easily located on a desktop as in a rack -up to three units can fit in a single 1RU tray. The storage and button controls are conveniently located on the front of the unit while the power and I/O ports are found at the back.

**Easily Reach your Audience**

Whether you’re providing live content to Adobe Flash or Wowza Media servers, to any of the popular CDNs, or directly to a computer or device found on a LAN, Matrox Monarch HD’s flexible video streaming protocols’ support is up to task. The Monarch HD is a certified “Works with Wowza” encoder allowing our users to benefit from enhanced integration with the Wowza streaming engine. As a certified encoder Wowza Manager can provide an XML file which contains the credentials required for the Monarch HD to easily connect to the Wowza Streaming engine. The Monarch HD also supports XML files generated for use with Flash Live Media Encoder. These files are often offered by CDNs to allow their customers to easily connect to their service. Both XML files are loaded into the Monarch HD using the Command Center, a web based UI. Finally, the Monarch HD can be configured to target only a handful of viewers using software based players such as VideoLAN’s VLC Player. This is particularly useful for remote viewing of content being recorded locally.

**Stream and record SDI signals**

A/V professionals and broadcast engineers often work with SDI signals from devices like switchers, routers and cameras that do not have HDMI outputs. Matrox Monarch HD can stream and record these signals using Matrox MC-100, a versatile SDI to HDMI convertor. This convertor accepts any HD-SDI or 3G-SDI sources and converts it to an HDMI signal that may be used as a source for the Monarch HD if it is of a supported resolution.
Integrate Matrox Monarch HD into your own Application or Environment

Network- or cloud-based video management platform developers, A/V integrators and value-added resellers can use Monarch HD Dev Tools, which include automatic configuration tools and the Monarch HD Control API, to provide a unified, consistent and branded user experience. Individual users need not interact with the Monarch HD Command Center web UI, which can simplify enterprise-level and centrally administered deployments.

Automatic configuration tools can be used to set all Monarch HD encoding and destination settings by simply loading a properly formatted configuration file. For example, specialized CDNs and video platform providers who wish to offer a branded plug-and-play user experience can use the automatic configuration tools to give their customers a very simple installation procedure. The customer would just insert a USB key containing the customized automatic configuration file, boot the new Monarch HD and be ready to stream at exactly the right settings. Similarly, IT administrators in corporate and education environments with deployments of multiple Monarch HD units on a network can use the tools to manage all of the units from a single application or portal. This can be done automatically by having each Monarch HD check a defined webpage for configuration settings at boot up. Alternatively, the task of fetching configuration settings can be triggered manually from the Monarch HD Command Center.

Monarch HD Control API is an HTTP-based API that lets system integrators create their own control software to start, stop, set streaming bitrate and destination, and get the status of a Monarch HD device. The Monarch HD Command Center or the automatic configuration tools are used to initially configure devices with complete streaming and recording parameters. Once set up, units can be controlled using the custom application, on-device buttons only or the CommandCenter.

Record to Anything

Matrox Monarch HD lets you select from a variety of recording media types. Use an SD card when a compact portable solution is required or a USB drive for long form recording. Alternately, a system drive on a computer found on the network may prove extremely useful if multiple individuals need to access the footage.

The Monarch HD provides users the ability to create split files while recording. This is particularly useful when recording for extended periods of time. The user can enter a file length and Monarch HD will automatically split your recording into separate files, switching to a new file without losing a single frame. When loaded on an NLE timeline sequentially, they will playback seamlessly and can be exported as a single contiguous file.

Regardless of how or where you store the footage, the record controls can be executed without affecting the streaming operations. High quality files will be available to create video assets to complement the live stream well after the event is completed.

Presets and Profiles for simple Configuration

The Monarch HD firmware ships with a number of typical streaming and recording presets that define all the encoding parameters including resolution and bitrate. Whether preset or custom parameters are used, they only need to be entered once and saved as a unique profile. A profile not only contains encoding parameters but also destination information detailing where the encoded video is being sent. Multiple profiles can be saved if the device is used in different environments. Recording and streaming profiles are saved independently allowing a user to mix and match profiles depending how the Monarch is being used at the time. Each profile can be loaded instantly without having to re-enter data.

Remote command and control

A simple web page is all that is needed to harness the power of Matrox Monarch HD. You can control and configure the appliance using any device on your network that supports a standard web browsing application.

A single Matrox Monarch HD device can act as a master to multiple slave devices. From a single web page, you can simultaneously start the recording and/or streaming of up to four Matrox Monarch HD devices.

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Integrate with Crestron

The Monarch HD Control API is an ideal way to integrate Monarch HD functionality into an existing classroom, boardroom or other space equipped with a Crestron control system. Monarch HD registered users are invited to download a sample SIMPL module written to run on Crestron 2-Series® and 3-Series® Room Media Controllers.

Install in a Rack

Matrox offers an optional Monarch HD Rack Mount Kit, an ideal space and cable management accessory which allows a user to fit up to three Monarch HD units in a single 1RU space.

MATROX MONARCH HD LABELS

Front View

1) Power LED
2) Warning LED
3) Stream Button
4) Record Button
5) USB 2.0 ports
6) SD card slot
7) Power Connector
8) Gigabit Ethernet Port
9) HDMI Output Connector (with embedded Audio)
10) HDMI Input Connector (with embedded Audio)
11) Analog Audio Output
12) Analog Audio Input
13) Reset Button

Back View
The new Generation of Video Wall Control Software

VuWall 2

Overview

VuWall 2 is a powerful software solution for the operation of large screen systems and multi-monitor systems. VuWall 2 provides for operators control over all connected signal sources and offers collaboration, distribution and interaction of information in control rooms and presentation spaces in an efficient way. The system is based on an intuitive user interface which reduces reaction times and makes the operation of video wall systems more efficient.

Connectivity

VuWall can work with multiple systems in the network. From every operator client, users can easily bring sources to any display surface across the network. These can be any display, large video wall or an operator PC.

Ideal for:

- Command & Control Rooms
- Security and Traffic Monitoring
- Presentation & Board Rooms
- Video Wall Digital Signage Solutions
- Public Information
- Simulation & VR

Universal, modular and multi-platform Video Wall Control Software
Collaboration & Control
Each Operator can work with the VuWall Client Software independently and can manage all sources, displays and client captures. The multilingual Interface is intuitive, and it is very easy for operators to work with it in critical environments even in emergency situations. Operators can collaborate which each other and share information together on any kind of display.

Main Features
- Intuitive and powerful control interface
- Central setup & Management
- Quick and seamless Setup
- Intuitiveness and Ease of use (very short learning curve)
- Auto Detection of sources
- Drag & Drop Interface
- Control of Multiple Walls & Displays from the same interface
- Snapping tools
- Task Scheduler for easy automation
- Cycling for automatic temporal rotation of layouts or scripts
- Creation/deletion of layouts, schedules and scripts
- Offline mode for easy configuration and creation of layouts

Remote Control & Areas
It is possible to define wall areas and user rights individually for each user.

Network Client Capture
Every Workstation in the network can be captured over the VuWall proprietary capture protocol. It is also easy for an operator to take control of the mouse and keyboard of the remote station.
- SoftKVM mode
- Specified Area & Multi-screen support
- Additional support of any kind of VNC & RDP Sources

SubRegions
Divide your video wall in sub-sections and manage each subsection as if it was an individual video wall. This is very useful to display many simultaneous signals in a specified area and simplifies the operation. The Operator gets a more ergonomic usage and can exchange layouts more accurately.

Application programming interface
Easily insert VuWall Technology commands in third party control systems for example Crestron or AMX or any kind of application.

Powerful Scripting tool
Simple and fast integration of third-party devices to control these devices from the VuWall Software. These can be Displays, Switchers, room devices etc. This tool can also be used as a macro-commands editor for easy customization and automation.

Security Logging
Keep track of the activity of each user
- Login / Logout events
- Window movements and resizing
- Easily configure what events to log
- Data clearly organized for easy retrieval and reporting
Alarm Management
Creating scripts for complex pre-defined workflows and presentation of alarms and events.
- Ticker and Messaging box alarm view
- Inputs for digital and analog I/O signals from external electrical contacts or systems.

User Profile Management
Manage users, groups and rights
- Restrict working area
- Control access to Layouts, Scripts, Schedules, etc.
- Compatibility with Active Directory and LDAP
- Option to enable SSL certificate

Control Panel Designer
Easy GUI to define customized User Interfaces with own buttons which can load scripts, layouts etc.
- Compatible any HTML5 browser or mobile device

Mobile Devices
- Full Integrated Web-based Control Client
- Control & launching of presets and macros
- Easily position and resize windows
- Compatible with Apple iOS, Android, Microsoft and any HTML5 browser
- Special version on Google Play Store available (Android™ 4.2 and above)

Transition Designer
With the Transition Designer you will be able to easily create spectacular animations, mixing fade-in/fade-out effects with transition and rotation of windows; you will even be able color-keying parameters to mix content of multiple sources (Media-players, images, streamed video...)

Compatibility & Sources
The VuWall Software is compatible with all major brands of graphic cards and supports Matrox & Datapath as input cards.
- All sources can be freely positioned and scaled
- Cropping and zooming for all sources
- Multiple cropping for individual sources
- Analog (Video/RGB), Digital (DVI-I) & HDSDI
- Matrox Meavex Encoder/Decoder Support
- IP Streaming Sources from cameras & encoders (ONVIF complaint)
- Networked Capture (VuWall Capture, VNC, RDP)
- Universal Viewer to display any kind of Web based (HTML/5) sources as well PDFs, pictures and movies.
- Support for most common local Windows Applications in layouts
**Version Overview**
No matter what video wall application, there is a VuWall version that fits your needs!

**Web Client:** Basic video wall applications: simple board rooms, basic digital signage.

**Basic:** Basic video wall applications for simple control rooms, board rooms, basic digital signage.

**Standard:** Standard control rooms with collaboration requirements and digital signage applications with scheduling.

**DS (Digital Signage):** Elaborate digital signage applications with dynamic content (advertising, hospitality, entertainment)

**Pro:** Mission Critical and security sensitive control rooms with extensive collaboration requirements.

<table>
<thead>
<tr>
<th>Product Comparison Chart</th>
<th>Web Client</th>
<th>Basic</th>
<th>Standard</th>
<th>DS</th>
<th>Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easy to Use, Intuitive Web-GUI with Standard Control Pages</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Compatible with Apple, Android, Windows and Web Browsers</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Control Panel Designer (To create own interface )</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Advanced Intuitive GUI (Graphical User Interface)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Scheduling of layouts and scripts</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Load, Save &amp; Autostart Layouts</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Scrolling text &amp; messages</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Subregion Management (Useful for non-square video walls.)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Third Party devices API (for Crestron, AMX, etc…)</td>
<td>✔</td>
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<tr>
<td><strong>Sources &amp; Control</strong></td>
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<tr>
<td>Manage Local Applications</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Universal Viewer (example: Picture, Websites, Video files)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Manage Input Sources (DVI)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Crop Input Sources &amp; Universal Viewer Sources</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>SoftKVM on Hardware sources</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Capture Networked Computers &amp; Remote Control</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Hardware &amp; Software Decoding</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Encoder &amp; Camera ONVIF support (Auto detection &amp; Control)</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Control of Third Party devices (Displays, Matrix Switchers, Building devices, En &amp; Decoders)</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td><strong>Show &amp; Transition Features</strong></td>
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<td>Transition Designer with effects, transparency, color keying etc.</td>
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<tr>
<td><strong>Advanced Features</strong></td>
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<tr>
<td>User Profile Management</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Active Directory Support with Single Sign On, Restrict access to Layouts / Scripts / Schedules, etc.</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Manage Users, Groups and Rights with Restrict Working Area</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Security Logging</td>
<td>✔</td>
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<tr>
<td>Login / Logout Events, Log window positions and who is moving them</td>
<td>✔</td>
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<tr>
<td>Log the creation, deletion, modification of Schedules, Layouts, Scripts, etc Easily customize which events to log</td>
<td>✔</td>
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<tr>
<td>Scripting Tool (Macro Commands)</td>
<td>✔</td>
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<tr>
<td>Alarm Management (Scripting) &amp; Support of I/O Device</td>
<td>✔</td>
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<tr>
<td>Multiple Wall control</td>
<td>✔</td>
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<tr>
<td><strong>Hardware Support</strong></td>
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<td>Datapath, Matrox, NVIDIA, &amp; AMD</td>
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</tbody>
</table>
Headquarters

VuWall Technology Inc.
181 Hymus Blvd., Suite 301,
Pointe-Claire, Quebec
H9R 5P4, Canada

Phone +1 (0) 514 505 4436
E-Mail sales@vuwall.com

Europe, Middle-East, Africa, Russia (EMEA)

VuWall Technology Europe GmbH
Falkenweg 22
72663 Grossbettlingen
Germany

Phone +49 (0) 7022 20 80 00-0
Fax +49 (0) 7022 20 80 00-1
E-Mail sales@vuwall.com

www.vuwall.com

twitter.com/vuwall
www.facebook.com/vuwall
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www.linkedin.com/company/vuwall-technology-inc-