Avenview
AV Connectivity, Distribution And Beyond...

VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES

AV-VUWALL-36

20/20 video wall controller board
with optional upto 36 Inputs / 36 Outputs
4U Video Wall Controller

VIDEO WALL PROCESSOR

KEY FEATURES

- Single-slot board design with integrated support of 36 outputs and 36 inputs channels on the same board

- PCI Express x16 Gen2 host bus connection leverages 64 Gbit/s full duplex data transfer

- Maximum output resolution of 2048x1152 (SL-DVI) & 2048x1536 (RGB/VGA) per display

- Maximum input resolution of 1920x1200 (SL-DVI, RGB/VGA), 1920x1080i (Component), and NTSC/PAL/SECAM (S-Video, Composite) per input

- HDCP compliant board captures protected video content from digital cable, satellite set-top boxes, video streamers and Blu-ray™ players and outputs the content to HDCP-enabled displays

- Supports Bezel Management as well as Edge Overlap for multi-projector platforms in both landscape and portrait modes

- Multi-functional board design facilitates video switching, signal conversion, scaling and de-interlacing from a single board, eliminating the need for separate solutions

- Vuwall for iPad® and Vuwall for Windows® software easily and intuitively controls your video wall.

- Designed for Microsoft® Windows® 7 Professional (64 bit) and Windows Server® 2008 R2 (64 bit)

36 Inputs /36 Outputs 4U Video Wall Controller

The AV-VUWALL-36 is an ideal compact solution capable of driving up to 36 displays. With maximizing performance and lower power consumption, the AV-VUWALL-36 is the powerful, flexible and affordable multi-display system for configuring display walls and digital signage.
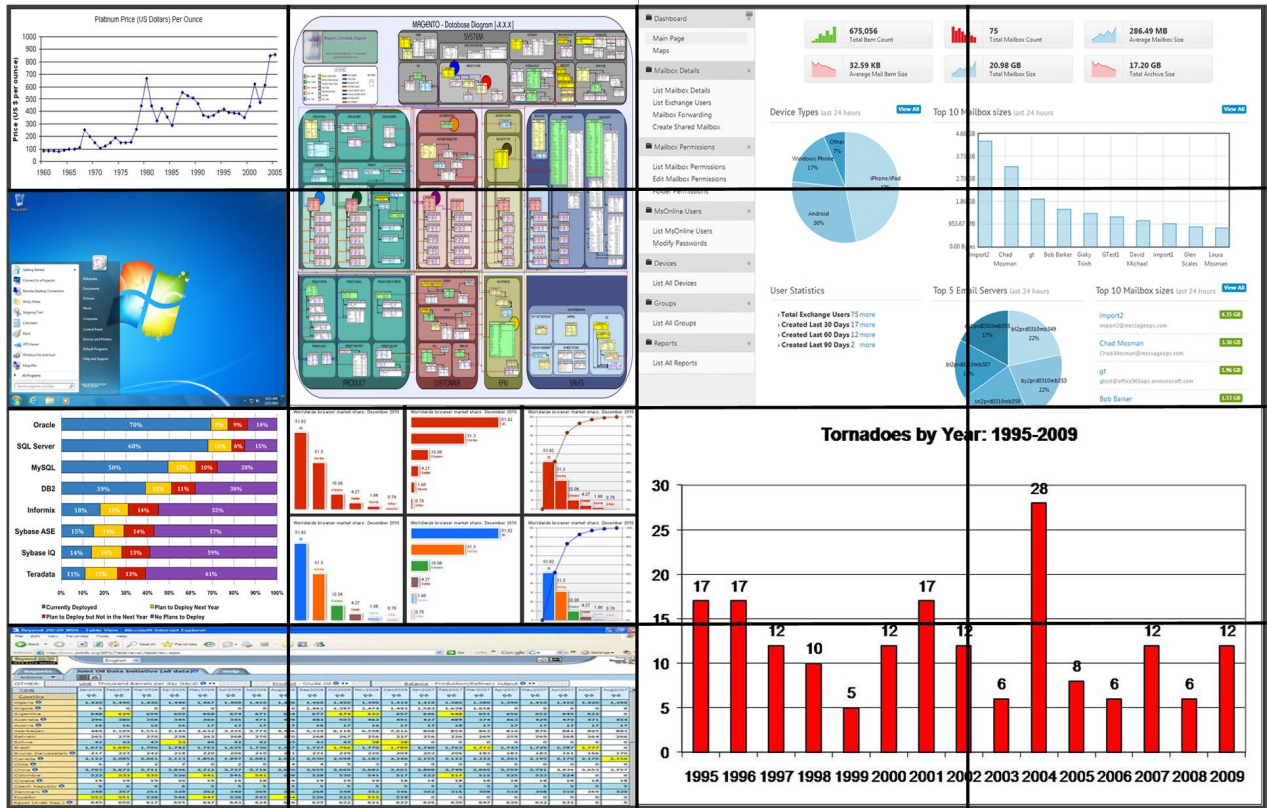
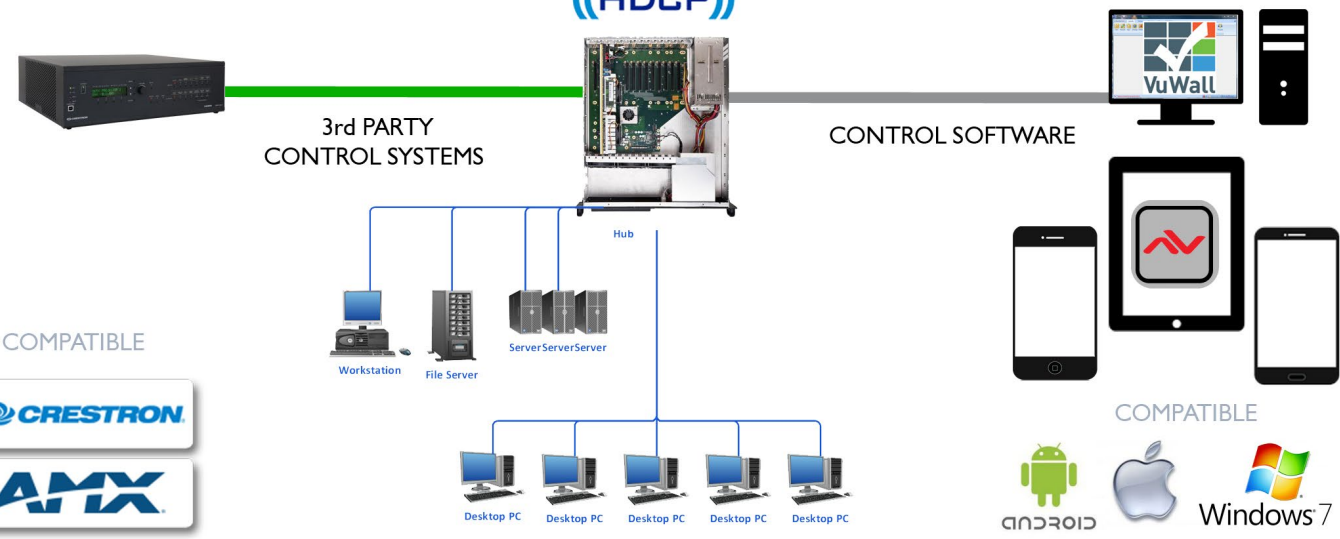| ITEM	SPECIFICATION
Form Factor	4U - 19'' Rackmount
Input/Output	Supports Up To 36 Inputs / 36 Outputs
Card Support	AV-VUWALL-8 Cards
I/O Connectivity Options	DVI, VGA, S-Video, Composite Video
CPU	Intel Core i7 950 / 3.06 GHz
Network	2x 10/100/1000 NIC
System Memory	Supports Up To 16GB DDR3 ECC Memory
Power	Optional Redundant N+1 Hot Swappable power supply - 700W
Storage	250 G IDE or SATA hard disk, optional SCSI RAID disk arrays
Software Options	Crestron Processor Integration, Remote Video Wall Administration with Tablet Support, Network API Support
Relative Humidity	20 ~ 90% RH (non-condensing)
Dimensions (L x W x H)	478 x 482 x 177mm (18.8" x 19" x 7")
Power Supply	100-240V AC

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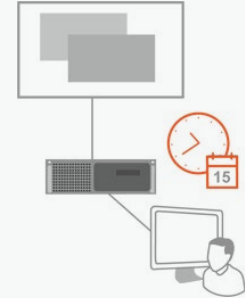

HD Monitor 4x4 Configuration

(((HDCP)))

3rd PARTY
CONTROL SYSTEMS

CONTROL SOFTWARE

VuWall

Hub

Workstation   File Server   Server Server Server

Desktop PC   Desktop PC   Desktop PC   Desktop PC   Desktop PC

COMPATIBLE

CRESTRON

AMX

COMPATIBLE

ANDROID   Windows 7

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VIDEO WALLS VIDEO PROCESSORS
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VuWall2 is designed for:

- Control rooms • Security and Traffic • Monitoring • Video Conferencing
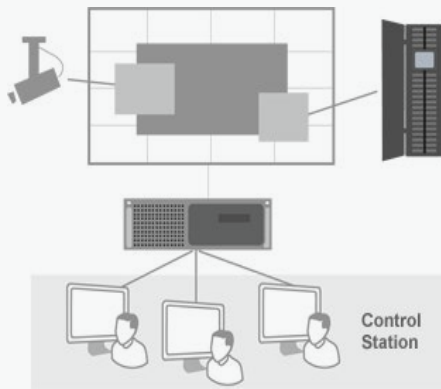- Board Rooms • Public Information • Digital Signage

Features:

- Scales up to 36 synchronized/framelocked displays
- Full HD input and output resolutions
- 36 Digital Inputs, 36 Digital Outputs
- PCIe x16 Gen2 bus architecture and universal I/O functionality deliver exceptional performance and flexibility
- Robust network API enables a variety of control options for video walls
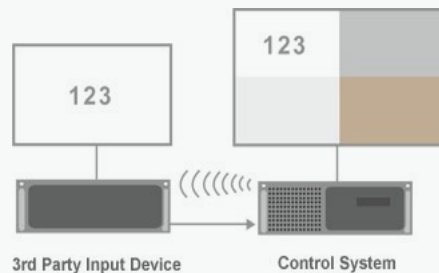- 4U chassis for high-density, scalable video wall solutions

Task Scheduler

Easily automate displayed content on the video wall.

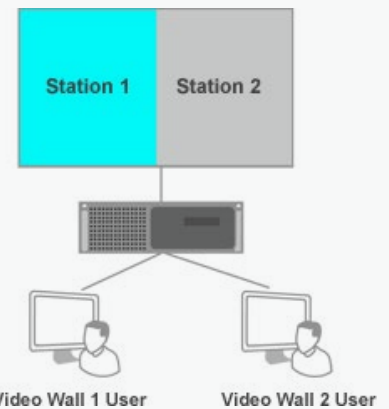### Intuitive and Powerful Control Interface

Control Station

Seamlessly manage local applications, networked computers and captured sources.
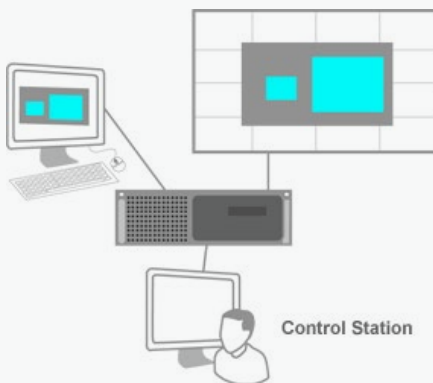
VuWall Application Programming Interface (API)

3rd Party Input Device   Control System

Easily insert VuWall commands in third party control systems (Crestron, AMX, ...)

Concept of Sub-Section

Station 1   Station 2
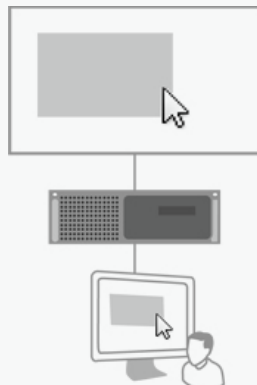
Video Wall 1 User   Video Wall 2 User

Divide your video wall in sub-sections and manage each sub-section as if it was an individual video wall.
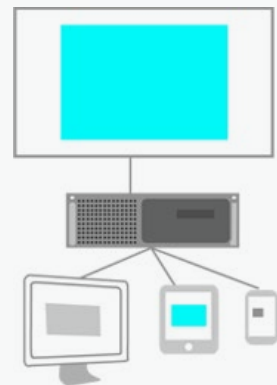
Intuitive and Powerful Control Interface

Control Station

1) Control networked computers directly from the video wall from any operator's desktop.
2) Easily configure the control and view restrictions of networked computers.

Virtual Mouse pad

The VuWall2 control interface allows the operators to have their keyboard and mouse active on the video wall.

Web Page Control

Switch layouts and display scenarios from a tablet or smart phone, or from the web browser of your PC.

AV Connectivity, Distribution And Beyond...

VuWall2 - Video Wall Management Software

Vuwall Control for Windows is an intuitive, feature-rich application that allows you to manage your AV-VUWALL-36 powered video wall. Run the software locally or remotely—and use it to create, save and edit layouts offline or in real time so your source content appears precisely where you want it, how you want it.
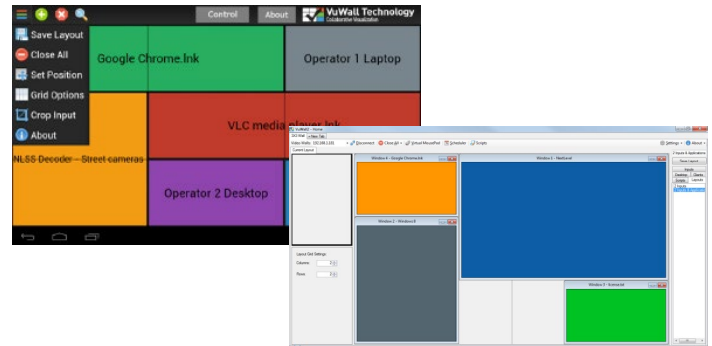
Layout Management Features

- Create, save, rename, copy, and delete layouts
- Switch from layout to layout with a single click
- Lock a layout to prevent accidental changes
- Import or export a layout
- Control background color as well as window border color and width
- Create a scrolling text across the entire video wall with the marquee function
- Create a layout offline and then push it live, or edit layouts online in real time
- Add and control external applications such as VLC®, VNC®, Internet Explorer®, PowerPoint® Viewer, and Image Viewer on the video wall NEW
- Create layout schedules to automatically switch from one layout to another NEW

Window Management Features

- Position windows anywhere on the wall using a mouse or keyboard
- Resize a window precisely by entering the custom input size using four separate fields or click and drag a window corner to maintain the aspect ratio of a window while scaling
- Clone an input source to multiple windows
- Label visible windows
- Advanced window cropping—either by graphically resizing the viewport through the UI or by entering precise cropping coordinates to achieve maximum pixel accuracy
- Intuitive Z-order management
- Support for picture-in-picture configurations
- Text overlay function with control over text font, color, size, location, blink and scroll speed
- Window transparency and colour keying functions NEW

Source Management Features

- Renaming, cropping, rotation (90°, 180°, and 270°), and text overlay functionality
- Source-specific hue, saturation, brightness, and contrast color correction parameters
- Multiple deinterlacing filters—including single field, bob, weave, and adaptive techniques
- Source touring for automated source switching within one or more windows in a layout NEW

- Additional Features
- Run the software locally or remotely
- Run the desktop or replace it with a static background
- Connect to the controller using an IP address or computer name
- Start and stop the controller from within the application
- Create custom gridlines and control window snap behaviour to the lines, other windows, and/or physical displays
- UPnP support enables automatic identification of all Mura controllers within the local subnet NEW

VuWall2 Control for Windows is compatible with Windows XP, Windows 7 and Windows Server® 2008 R2.