

TRx

Centralized Management

Powerful Centralized Multi-Video Wall Management Platform

TRx provides organizations with a powerful and unique software platform to configure and operate their video walls within corporate workspaces and mission-critical control rooms. Powered by VuTrex™ technology, TRx is unique in distributing AV-over-IP content and providing advanced video wall management and control – all from a single easy-to-use intuitive platform. TRx can manage multiple sources in any source format and easily route them to single displays or multiple video walls, without any programming!

TRx simplifies the deployment of complex AV-over-IP projects, reducing risk and on-site deployment time. Easily install, route and service hundreds of sources without any programming, thanks to its interoperable and hybrid design.

TRx is designed to manage VuScape™ video wall controllers and VuStream™ encoders and decoders. Its open architecture also supports 3rd party technology, making it scalable and future-proof, by design.



Features

- ✓ Control an unlimited number of inputs & outputs.
- ✓ Easy to use drag-and-drop operations for easy configuration, deployment, and management.
- ✓ Configure all network devices and presets without any programming.
- ✓ Embedded control panel designer.
- ✓ Extensive API simplifying workflows
- ✓ Interoperable standards-based IP solution supporting SDVoE, H.264, SRT, and others.
- ✓ Compatible with VuStream and 3rd party end points from IHSE, Matrox, and other manufacturers.
- ✓ Advanced multi-display & multi-resolution management
- ✓ Web-based management. No software to install.
- ✓ Powered by VuTrex™ technology.



Interoperable

Compatible with 3rd party brands.
Supports H.264, H.265, SDVoE,
NDI and SRT



Ease of Use

Easy drag-and-drop operations
to configure and operate all your
devices.



Reduce Risk

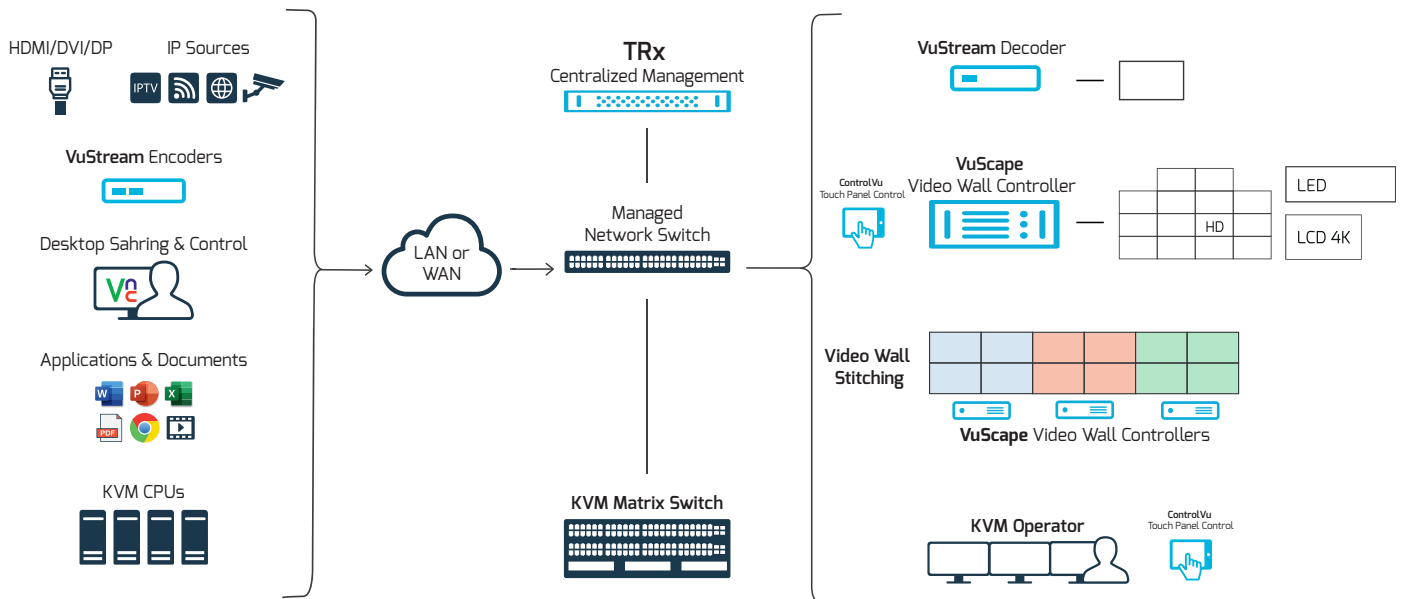
Reducing configuration and
deployment time in the field.



Flexible and Scalable

Buy only what you need. TRx grows
as your installation expands.

TRx Workflow



TRx Applications

Control Rooms



Corporate Workspaces



Experience Centers



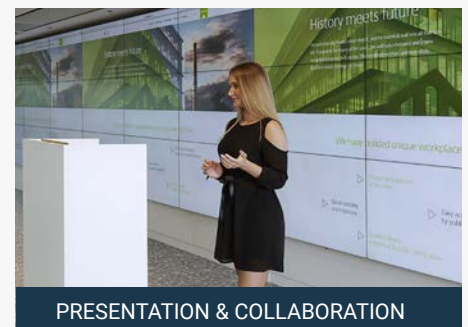
Crisis Rooms



Lobby Signage



Classrooms & Auditoriums



TRx Centralized Management Software Platform



Features

Web-Based Management

Manage and control the system with any standard browser from anywhere on the network. No software to install.

Advanced Multi-Display Visualization

Display pristine-quality content from any source to any display type, whether LCD, LED, or projector. Despite the size and aspect ratios, TRx ensures a perfect viewing experience every time. Drive multiple video wall with a single VuScape controller.

Multi-Floor, Multi-Site Management

Define zones and floors for easy control of multiple rooms and sites. Each operator can manage local and remote content easily from a single intuitive user interface and bring any content to any destination with a single drag-and-drop operation.

Secure Data

All data transmitted between the TRx web server and the HTML5 client is fully encrypted with TLS 1.2. Sources and IP streams are secured with 128-bit AES encryption.

Advanced Video Wall Management

Control and manipulate content on any video wall. A simple drag-and-drop can open any source, which can be moved, resized, cropped or zoomed. Layouts created on one wall, can be sent to any other wall. Also, manage all encoders and decoders via TRx, making it a full AV over IP solution. Also, convert any Smart Display by hosting the TRx Display Server directly on the OPS module of the display.

Source Management

Manage all sources in the system quickly and efficiently with TRx's intuitive UI. Features include sorting and filtering, active preview mode and individual thumbnail upload. TRx supports a wide range of IP streams, HDMI, DP, and HD-SDI sources, Windows applications, screen captures, pictures, videos, websites, and documents.

User Rights Management

Administrators can fine-tune permissions to individual users or groups with or without Active Directory. Access restrictions can be set on floors, zones, sources and displays. Permissions can be set to perform joins on video, audio, keyboard/mouse, and USB. Users can also be granted access to create/save/edit/delete presets, control panels, scripts, and more.

TRx Centralized Management Software Features

VuTrex™ Technology

TRx is powered by VuWall's unique hybrid and interoperable technology delivering a true unified visualization solution.



Audio Management

Manage audio controls for all encoders, decoders and video wall controllers including physical inputs and browsers.

KVM Control

KVM devices can be fully integrated, controlled and used in TRx. Enhanced features include private mode and USB device switching. The TRx Capture Server allows operators to convert any PC on the network into a KVM source for soft-KVM control including audio.

Powerful Scripting Tool

The built-in tool to easily create custom macro-commands and automate a series of tasks in a TRx deployment. Tasks include commands such as manipulating layouts and triggers, controlling external devices such as switching displays on/off and controlling audio settings. All commands can conveniently be assigned to control buttons on the ControlVu panels.

REST API

Extensive REST API with sample code and interactive documentation of every function for third-party integrations. Use easily with various manufacturers like AMX, Crestron, Utelogy and Extron.

Video Wall Stitching

Build unlimited-sized video walls by stitching multiple VuScape video wall nodes or VuStream 510 SDVoE decoders for a full SDVoE video wall. The stitching feature brings an increased processing scalability, flexibility and redundancy.

Supported Devices

TRx supports multiple hardware platforms including:

- ✓ VuWall's VuStream series of encoders/decoders
- ✓ VuWall's VuScape video wall controllers
- ✓ IHSE KVM switches
- ✓ Matrox Maevex, SDVoE, SRT encoders/decoders

Unattended Monitoring

Monitor up to 50 computer screens or video walls for color changes to automatically trigger alarms or events improving response times in control room environments. Customize the automation of alarms and events from any application to 3rd party devices.

Software Updates

Get a new software release every 3 months with our support program. Keep your system secure and updated. Benefit from new features designed to adapt to your evolving business needs.

Redundancy and Availability

Ensure full availability and control of your visualization infrastructure with redundancy and High Availability (HA) options.



Control Panel Designer

Create a fully customized touch panel with the integrated Control Panel Designer. No programming required! Each button can launch layouts, scripts or even control external devices. Multiple panels can be created from the same interface, allowing a single administrator to design a custom panel for every operator station. Users can upload logos, images, backgrounds, and create custom buttons with a variety of shapes and colors. The possibilities are endless!

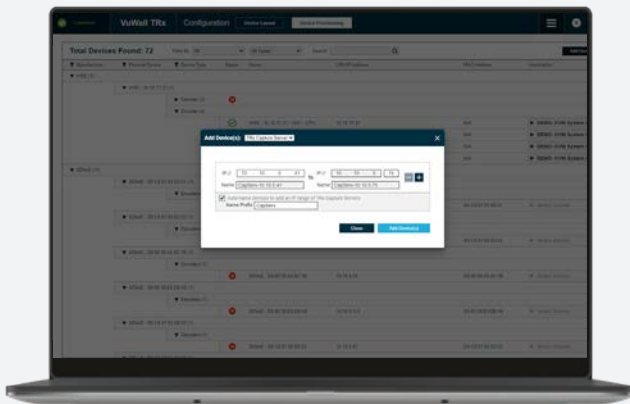
TRx Software Features



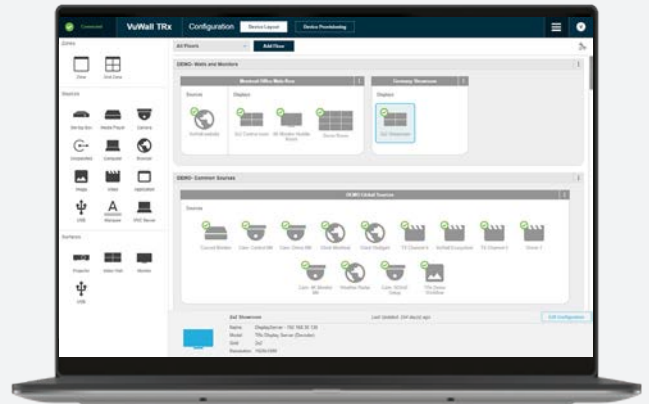
TRx 3.1 Features	Standard	Pro	Enterprise
Device Support			
Single VuScope Video Wall Controller and up to 3 decoders		○	
Multiple VuScope Video Wall Controllers & Video Wall Stitching			○
VuStream Encoders & Decoders	○		○
IHSE Matrix, SDVoE devices, Matrox Meavex	○		○
Control and AV Management Features			
Client/server architecture. Can be managed from HTML5 compatible browsers (e.g. Chrome)	○	○	○
TLS 1.2 support for secured client/server communication	○	○	○
Automatic detection of encoder/decoder devices on the network	○	○	○
Arrange sources and displays across multiple zones and floors	○	○	○
Filter sources and displays based on type or location	○	○	○
Load and save presets for rooms and floors	○	○	○
Load and save layouts per wall	○	○	○
Control panel designer to create custom interfaces	○	○	○
Advanced User Profile Management with Active Directory		○	○
Advanced Multi-Display/Multi-Resolution Management		○	○
Sources Features			
Active preview of IP sources	○	○	○
Upload of individual thumbnails for each source	○	○	○
Colored borders and OSD		○	○
Crop IP stream and directly connected sources		○	○
Scrolling text and messages with text, files and RSS feeds		○	○
Embedded viewer to display websites including support of user credentials		○	○
Manage local applications installed on VuScope controller		○	○
Universal viewer to show pictures, documents, videos		○	○
Audio support for encoders and decoders (Standard) and video wall controller (Pro only)	○	○	○
Screen capture of computers, including audio, over network with 128-bit AES encryption and VNC sources		○	○
Scripting & API Features			
REST API for 3 rd party devices (Crestron, AMX, etc.)	○	○	○
Control of 3 rd party devices (displays, matrix switches, etc.) with powerful scripting languages	○	○	○
Alarm management (scripting) and support for I/O devices	○	○	○
Recording of HDMI inputs of entire wall or region of interest		○	○
Redundancy module for fault-tolerant systems with dual video wall controllers		○	○
KVM Features			
Control and manage KVM devices and use them as a source	○		○
Private Mode preventing other users to access or view specified sources			○

TRx User Interface

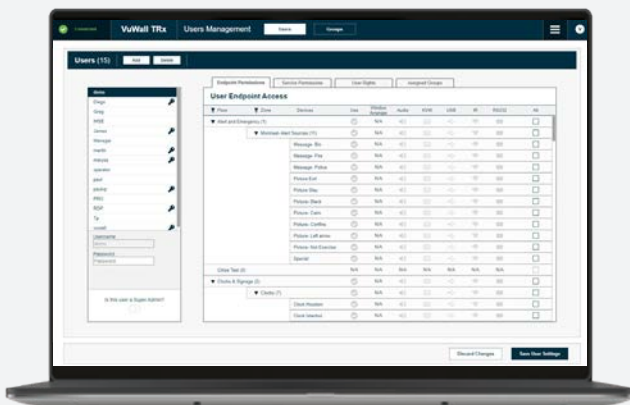
The TRx user interface is the result from years of customer feedback. Developed to simplify the configuration of your video wall deployment and day-to-day video wall operations, TRx features an intuitive easy-to-use drag-and-drop interface with advanced scripting tools, a control panel designer and device provisioning, all without the need for any programming.



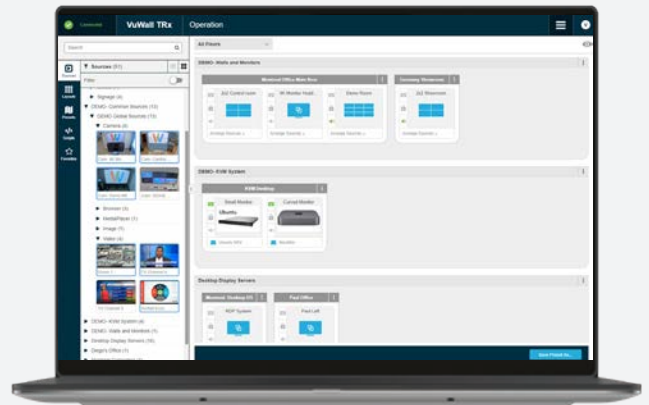
DEVICE PROVISIONING



CONFIGURATION



USER MANAGEMENT



OPERATIONS

TRx Centralized Management Servers Options

TRx servers power VuWall's TRx software suite and are available in two sizes: the 1U rack mountable server available in Single, Redundant and Cluster Server versions, and the Server Mini.

TRx Single Server



- ✓ Powerful Intel XEON 6 core processor
- ✓ 240GB SSD
- ✓ Single power supply

TRx Redundant Server



- ✓ Powerful Intel XEON 6 core processor
- ✓ Two 240GB SSD in RAID1 configuration
- ✓ Hot-swappable SSD drive and power supply

The 1U rack mountable server, powered by an Intel Xeon 2236 processor with 16GB of RAM and a speedy 240GB Solid State Drive, ensures optimal performance. Two LAN ports allow the server to be connected to more than one corporate network enabling redundancy of the AV infrastructure and offering network flexibility and additional control.

TRx Server Cluster

- ✓ Fully redundant
- ✓ High Availability (HA) with automatic failover
- ✓ Easy back-up and restore
- ✓ Includes three servers



Offering full redundancy of the entire AV infrastructure with three hot-swappable TRx servers, delivering the highest availability with automatic redundancy. Servers are connected over a 1GB network, allowing them to be located across multiple sites, while the TRx software suite runs on a virtual machine on the TRx Server Cluster.

TRx Server Mini

A compact form-factor server to easily and effectively manage small-scale projects using a powerful Intel i5 CPU (6 Core) processor. Ideal for areas with limited space for hardware.



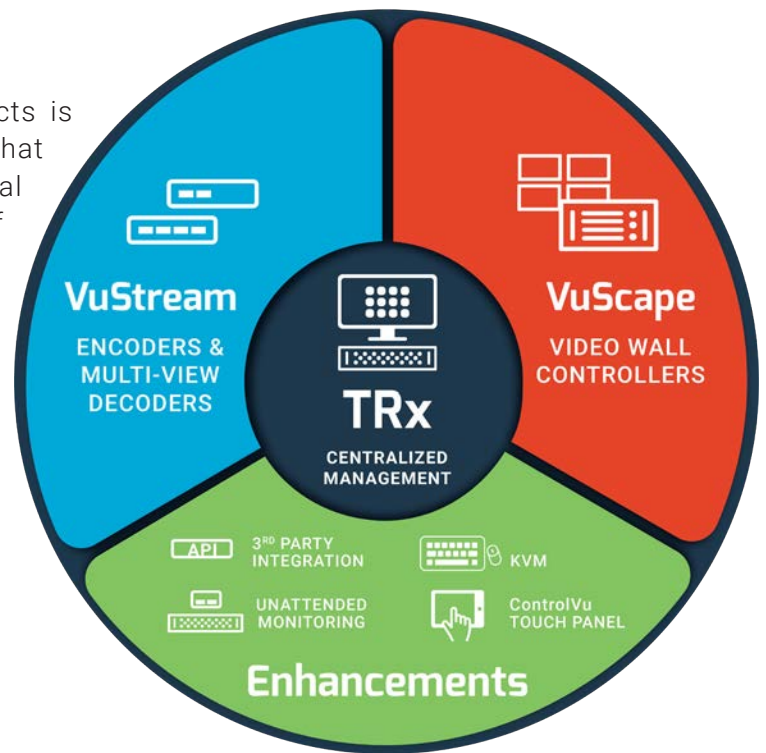
Technical Specifications

	TRx Server	TRx Redundant Server	TRx Server Mini
CPU	Intel XEON 2236@3.4 GHz 6 cores	Intel XEON 2236@3.4 GHz 6 cores	Intel i5 CPU 6 core
RAM	16GB	16GB	8GB
SSD	1x 240GB	2x 240GB	1x 256GB SSD
Network	Two 1Gbps LAN	Two 1Gbps LAN	1x 1GbE LAN
Weight	7.9 kg / 17.4 lb	7.9 kg / 17.4 lb	1.4 kg / 3 lbs
Chassis	19" 1RU	19" 1RU	Slim metal chassis, black
Dimensions	43.2H x 434.6W x 382.2D mm 1.70H x 17.11W x 15.05D in	43.2H x 434.6W x 382.2D mm 1.70H x 17.11W x 15.05D in	179 W x 37 H x 183 D mm 7.0" W x 1.5" H x 7.2" D
Power Supply	1x 100 - 120 VAC or 200 - 240 VAC	2x 100 - 120 VAC or 200 - 240 VAC	External Power Supply with 100-240 VAC
Power Requirements	500W	500W	170W
Operating Conditions	10°-35°C / 50°-95°F Humidity: 8%-90%	10°-35°C / 50°-95°F Humidity: 8%-90%	0-35°C / 32-95°F Humidity 20%-80%
Software	Windows 10 IoT Enterprise LTSC (Embedded OS)		
Noise Level	Max. 30dB (Depends on system config and room temperature)		
Outputs			
IP Stream Support	IPv4/IPv6		
IP Adresses	DHCP (Default) and Static IP		

VuWall Ecosystem Powered by VuTrex™

The VuWall ecosystem of interoperable products is built on a unique hybrid technology, VuTrex™, that provides the most effective distribution of visual information, from any source to any type of display throughout organizations.

VuTrex bridges AV, IT and IP systems with a hybrid and standards-based interoperable approach. VuTrex has set a new industry benchmark within complex AV/IT environments.



Complementary Solutions to TRx

Process
video wall content



VuScape
VIDEO WALL CONTROLLERS

Deliver content across
your network



VuStream
ENCODERS & DECODERS

Video wall control at
your fingertips



ControlVu
TOUCH PANEL

Automatic color detection to
automate monitoring



Color Detection
Server

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