

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. 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 PAK™ video wall nodes, VuScape™ video wall controllers, and VuStream™ encoders and decoders. Its open architecture also supports third-party technology, making it scalable, interoperable, 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

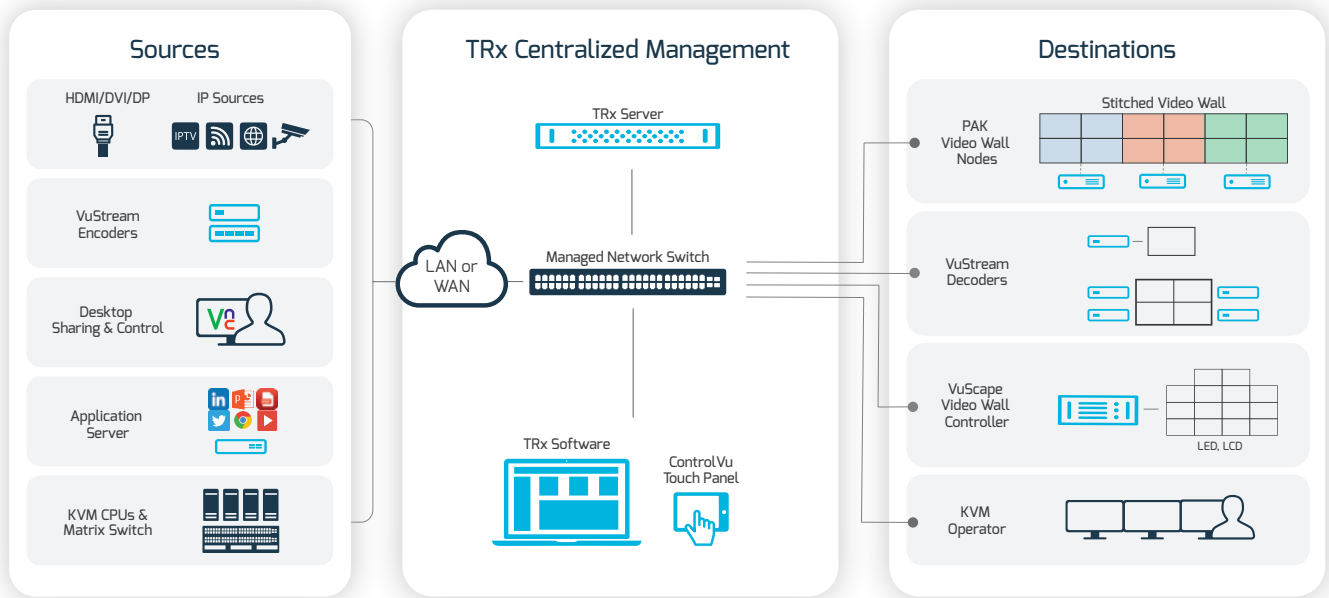
Reducing configuration and deployment time in the field.



Flexible and Scalable

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

TRx Workflow



TRx Applications

Control Rooms



VIDEO WALL CONTROL & KVM

Corporate Workspaces



MULTI-SOURCE VISUALIZATION

Experience Centers



VERSATILE DISPLAY MANAGEMENT

Crisis Rooms



UNIFIED VISUALIZATION

Lobby Signage



CONTENT MANAGEMENT & DISTRIBUTION

Classrooms & Auditoriums



PRESENTATION & COLLABORATION

TRx Centralized Management Software Platform



Features

Centralized 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.

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.

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.

Easy Drag-and-Drop Operations

Manage all AV experience through easy drag-and-drop, from source configuration and routing to advanced video wall management.

Advanced Video Wall Management

Control and manipulate content on any video wall: move, resize, crop or zoom. Send layouts created on one wall to any other wall. Manage all encoders and decoders via TRx, making it a full AV over IP solution.

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, applications, screen captures, pictures, videos, websites, and documents.

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.

TRx Centralized Management Software Features

Video Wall Stitching

Build unlimited-sized video walls by stitching multiple PAK video wall nodes or VuStream 510 SDVoE decoders for a full SDVoE video wall. Stitching brings increased performance, scalability, versatility, and reliability.

Audio Management

Manage audio controls for all encoders, decoders and video wall controllers and nodes, 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

Built-in tool to easily create custom macro-commands and automate 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 touch 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.

Supported Devices

TRx supports multiple hardware platforms including:

- ✓ VuWall's PAK & VuScape video wall processors
- ✓ VuWall's VuStream series of encoders/decoders
- ✓ IHSE KVM switches
- ✓ Third-party encoders/decoders: SDVoE, SRT, NDI, and Matrox MaeveX

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.

VuTrex™ Technology

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

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

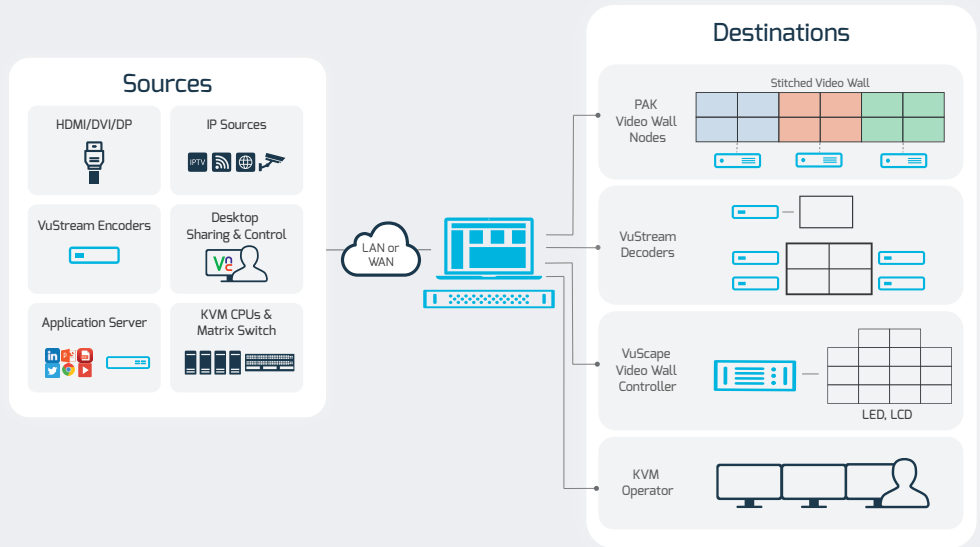
Create a fully customized touch panel with the integrated Control Panel Designer. No programming required! Each button can launch layouts, scripts or even control external devices. Multiple panels can be created from the same interface, allowing a single administrator to design a custom panel for every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



Software Options

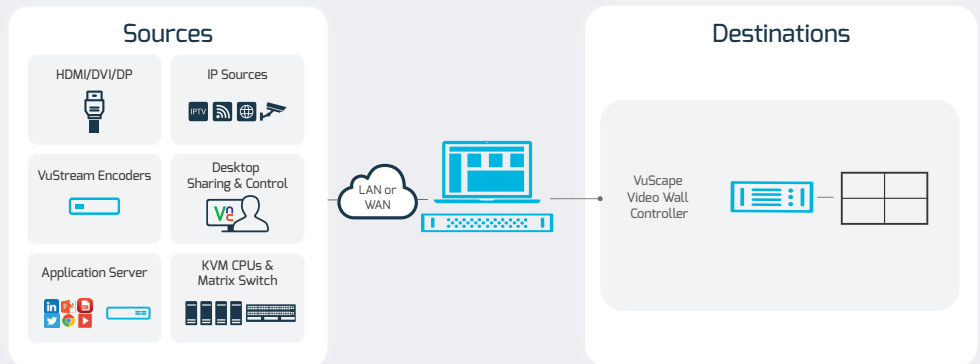
TRx Enterprise

- ✓ Projects with AV distribution and one or multiple video walls
- ✓ Supports unlimited sources and destinations
- ✓ Supports entire VuWall ecosystem of products



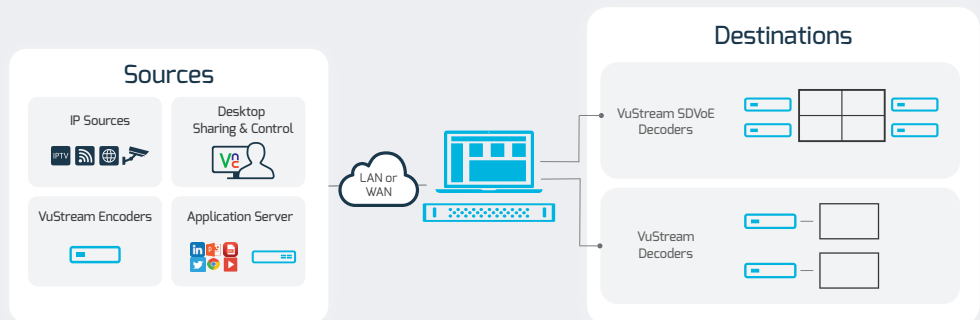
TRx Pro

- ✓ Projects with single VuScape video wall controller of up to 4 outputs
- ✓ Does not support external decoders
- ✓ Does not support PAK video wall nodes



TRx Standard

- ✓ For projects with AV distribution only
- ✓ Manage VuStream or 3rd party encoders & decoders
- ✓ Does not support PAK and VuScape video wall processors



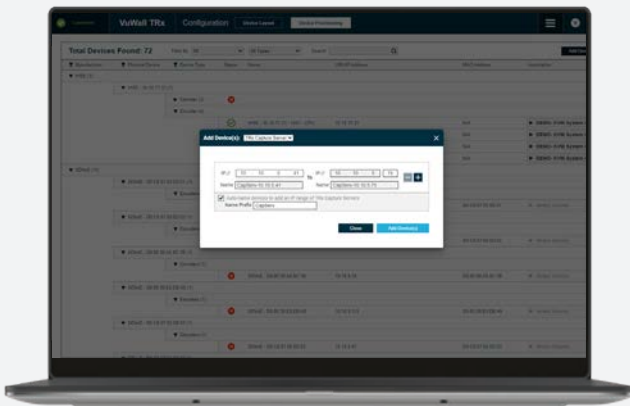
TRx Software Features



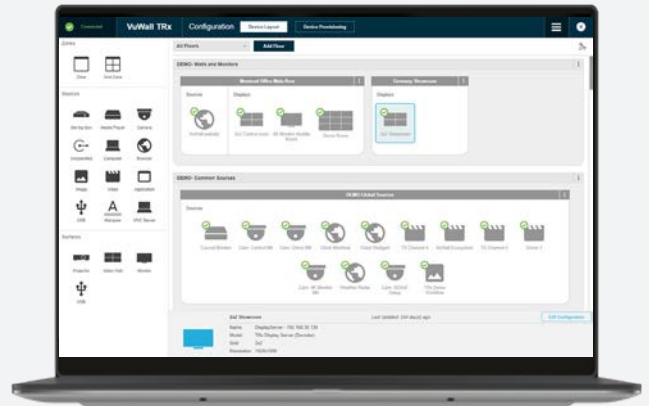
TRx Features	Standard	Pro	Enterprise
Device Support			
PAK Video Wall Nodes			○
VuScape Video Wall Controllers		○	○
VuStream Encoders & Decoders, IHSE Matrix, SDVoE & NDI devices, Matrox Meavex	○		○
ControlVu Touch Panels	○	○	○
Control and AV Management Features			
Client/server architecture. Can be 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 VuScape 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 (sold separately)		○	○
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

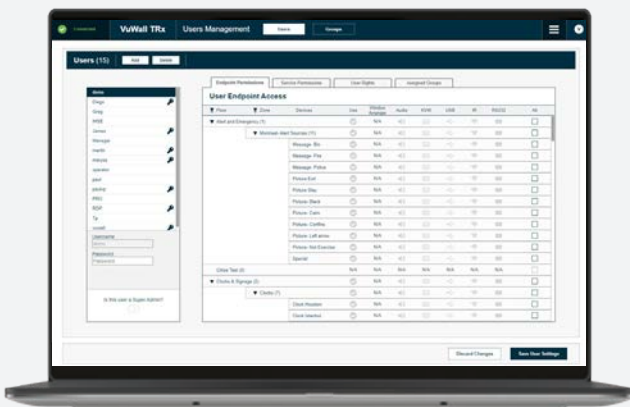
The TRx user interface is the result from years of customer feedback. Developed to simplify the configuration of your video wall deployments, AV-over-IP management, and day-to-day video wall operations, TRx features an intuitive easy-to-use drag-and-drop interface with advanced scripting tools, a control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



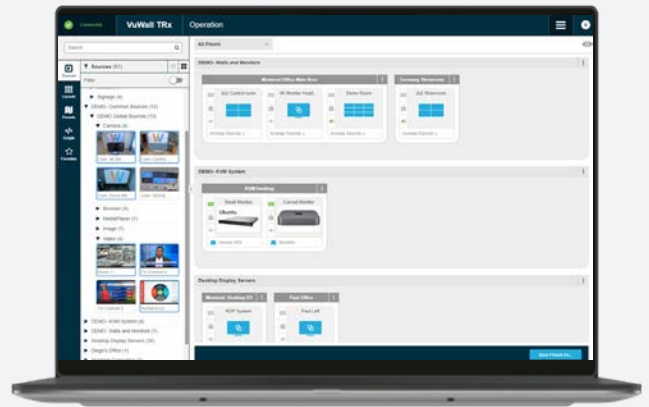
DEVICE PROVISIONING



CONFIGURATION



USER MANAGEMENT



OPERATION

TRx Centralized Management Server 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 Server Mini

A compact form-factor server to easily and effectively manage small-scale projects. Ideal for areas with limited space for hardware.



TRx Redundant Server

- ✓ Redundant Power Supply
- ✓ Two SSD drives in RAID1 configuration
- ✓ Hot-swappable SSD drives



The 1U rack mountable server, powered by a redundant power supply and two Solid State Drives in RAID1 configuration 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.

Technical Specifications

Product Name	TRx Server Mini	TRx Redundant Server	TRx Cluster*
SSD	Single SSD	Two Hot-Swappable SSD drives in RAID1 configuration	Single SSD
Weight	1.4 kg / 3 lbs.	7.9 kg / 17.4 lbs.	7.9 kg / 17.4 lbs.
Dimensions	179W x 183D x 37H mm 7.0"W x 7.2"D x 1.5"H	434.6W x 382.2D x 43.2H mm 17.11"W x 15.05"D x 1.70"H	434.6W x 382.2D x 43.2H mm 17.11"W x 15.05"D x 1.70"H
Power	External Power Supply with 100 - 240 VAC	2x 100 - 120 VAC or 200 - 240 VAC	1x 100 - 120 VAC or 200 - 240 VAC
Power Consumption	90W	500W	500W
Power Supply	Single	Redundant	Single
Operating Conditions	0-35°C / 32-95°F Humidity 20-80%	10-35°C / 50-95°F Humidity: 8-90%	10-35°C / 50-95°F Humidity: 8-90%
Noise Level	Max. 30dB (Depends on system config and room temperature)		
Warranty	3 years		
Mounting Hardware			
VESA	75/100mm (hardware included)	NA	NA
Rackmount	NA	19" 1RU	19" 1RU
Network Interface			
Connectors & Standard	1x RJ45, 1 GbE	2x RJ45, 1 GbE (each)	2x RJ45, 1 GbE (each)
IP Version	IPv4/IPv6		
IP Addressing	Static IP and DHCP		

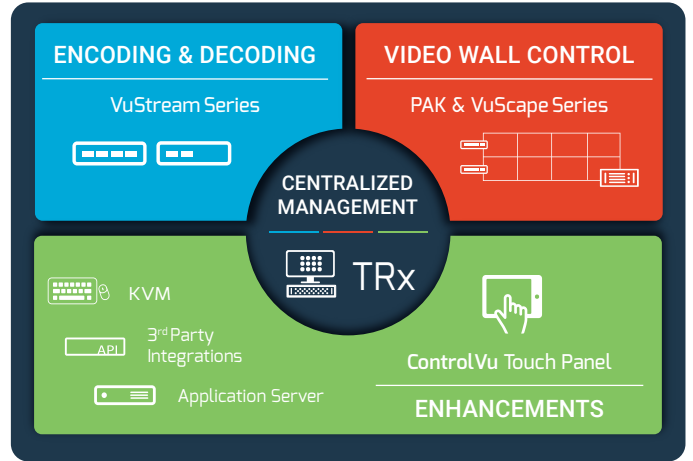
*The TRx Cluster (Part Number TRx-Server-3U-Cluster-3) includes 3x 1RU servers. Tech specs are specified for each of the 3 servers.

The VuWall Ecosystem

Unified Visualization & Video Wall Control

The VuWall ecosystem of interoperable products is built on a unique standards-based architecture that provides the most effective distribution of visual information, from any source to any display or video wall throughout organizations.

At the center of the ecosystem is the TRx Centralized Management Platform. TRx bridges AV, IT and IP systems ensuring interoperability and ease of use, simplifying AV-over-IP deployments, thus reducing deployment time and integration risk.



Video Wall Management & AV Distribution Made Simple From Any Source to Any Display



TRx
Centralized Management



PAK
Video Wall Nodes



VuStream
Encoders & Decoders



ControVu
Touch Panel



VuScape
Custom Video Wall Controllers



Enhancements
More Interoperable Products

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