

TRx 2.0

// AV network management //

**VuWall**

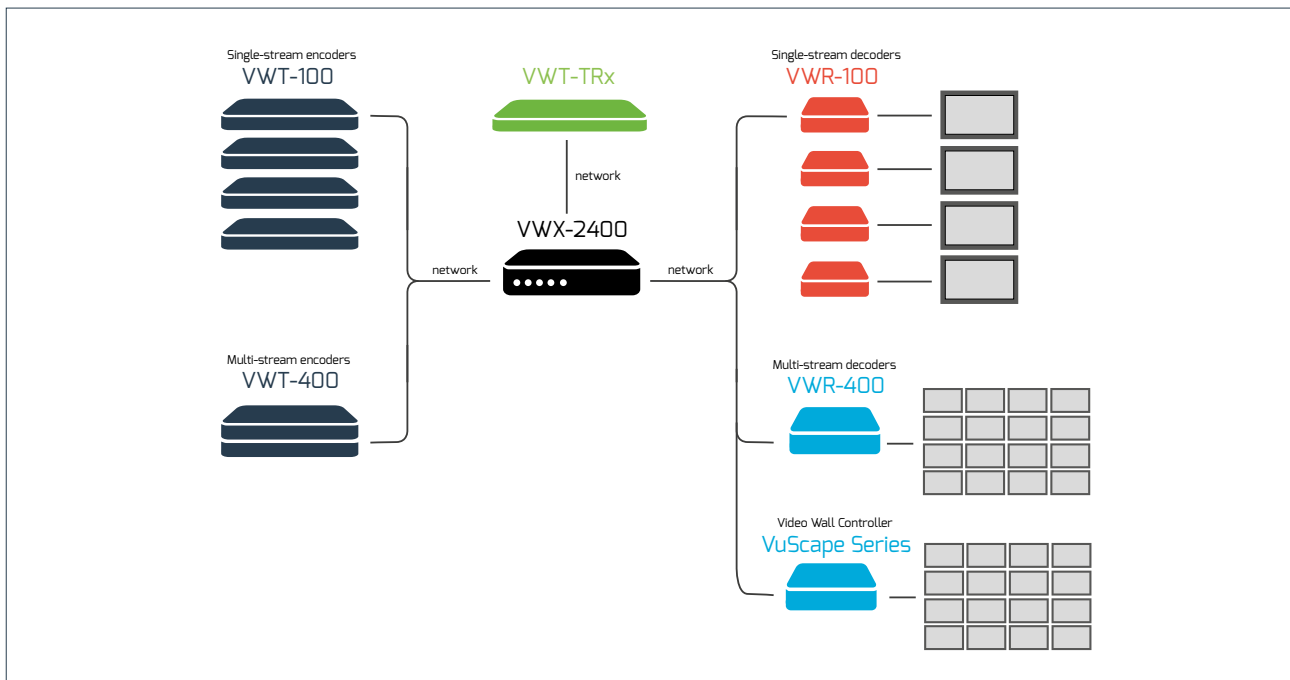
# TRx 2.0

## Distribution of AV signals over standard IP networks

TRx 2.0 is the next generation of distribution of Audio and Video signals and content over standard IP networks. The solution combines high end quality streaming up to 4K resolution to drive unlimited numbers of inputs and outputs, and comes with a family of encoders, decoders, and video walls over IP processors. The solution is designed for presentation rooms, control rooms and

complex distributions across multiple buildings in a campus.

The management of the system is accomplished through a central TRx Server for an easy deployment of a large number of devices. The intuitive web interface allows to maintain and control the systems from any point on the network.



### Advantages:

- Highly Flexible and scalable through encoders, decoders and Videowall IP processors
- Full standard IP network based solution
- H.264 compression for high-quality and low-bandwidth AV-over-IP
- High End Video streaming quality up to 4:4:4 and support for 4K/UHD signals
- Supports HDMI and digital audio Inputs or analogue audio Inputs
- Based on the TRx - AV Network Management software, which makes it easy to operate, easy to deploy, to configure and to maintain.

## How VuWall TRx can enhance your projects

Plan

Configure

Deploy

Operate

- Configure every project before going on-site and considerably reduce time and cost
- Simplify the process from configuration to operation
- Work with an easy interface that is simple and intuitive
- Easily add new devices from many manufacturers to the system, and control and deploy them under one umbrella
- No need for specific programming skills to configure the devices
- Keep track of the system and do easy maintenance and support in complex projects
- Configure your system in minutes, not days

# Technical specifications

## Server

The TRx software platform makes it easy to configure, to operate, and to maintain the pool of encoders and decoders on a large AV network. The Software is preloaded on an appliance server which is included in the package.

TRx is compatible with any Windows, Mac OS and Linux operating system. Multiple users can work with the system.

## Encoders

The **Tx-100** is a single stream H.264 encoder which can capture a single HDMI Source

- 1x HDMI input with one pass-through HDMI out
- One RJ45 network connection
- H.264 encoding
- Up to 1920x1080@60p resolution

The **Tx-400** is a multi stream H.264 encoder and can capture up to four 4K streams simultaneously

- 4x HDMI Inputs
- Source signal Pass-through for local visioning
- Multi stream H.264 encoding with up to 4:4:4 color format
- Up to 3840x2160@60p resolution

## Decoders

The **Rx-100** is a single stream decoder and can display and decode one SD/HD stream on one output.

- Single stream H.264 Decoder
- 1x HDMI output
- One RJ45 network connection
- Up to 1920x1080@60p resolution

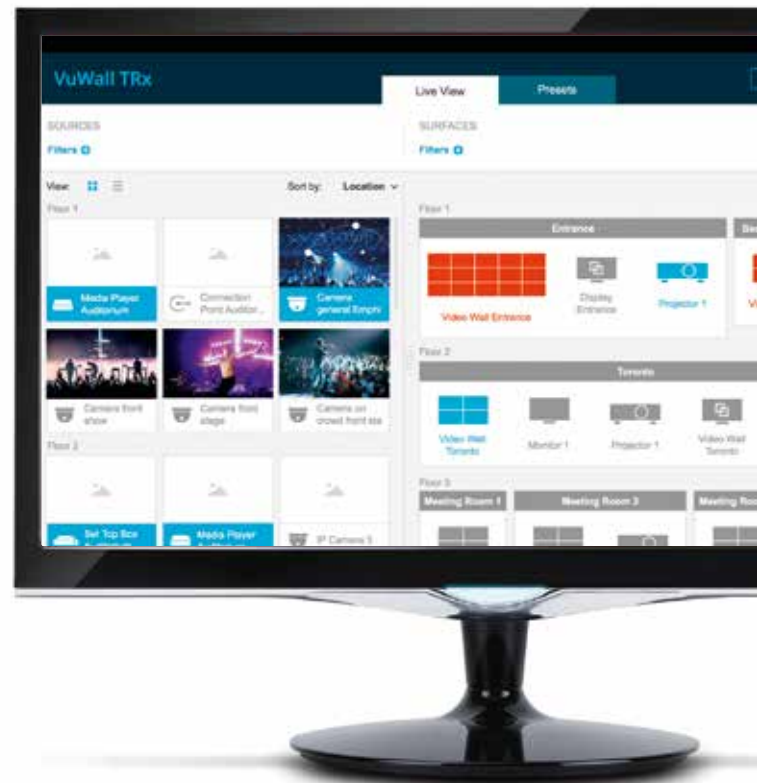
The **Rx-400** is a multi-decoder which works as an IP Video Wall processor and can display and decode multiple high-density streams and drive up to four 4K displays. Multiple devices can be combined to drive larger videowalls.

- Multiple stream H.264 Decoder
- Multiple decoding up to 16x 1080@30p or 3x 4K@30p streams
- One RJ45 network connection
- Up to four HDMI outputs with 3840x2160@30Hz
- Multiple device can be driven together to create big video walls

## Network

The solution comes with a preconfigured standard 1Gbit Network switch in different version (24/48 Port). The switch is configured to handle large numbers of streams in unicast or multicast mode.

By adding multiple switches, it is easy to upgrade and with 10Gb uplink or stackable ports a big network can be built.



# Hardware specifications and compatibility

## API

An extensive API is available with sample code and detailed description of each function for third party integrations.

## Software Compatibility

TRx is compatible with any Windows, Mac OS and Linux operating system. Multiple users can work with the system by connecting to the central appliance server over the network.

## Hardware

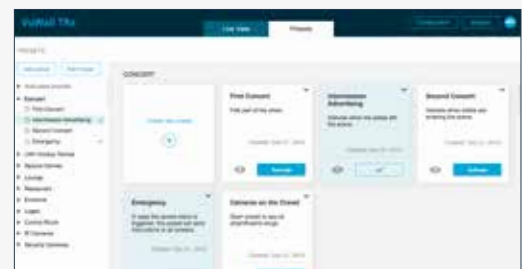
TRx is preloaded on an appliance server which is included in the package.

## Supported Devices

Just like all other VuWall products, VuWall's TRx is open to multiple hardware platforms and already supports the following devices on the market:

- Matrox MaeveX encoder/decoder
- AMX/SVSI Networked AV Solution
- Encoder and Decoders which are compatible SDVoE

Support for additional brands of decoders & encoders is currently in development and the list will continue to grow as manufacturers provide us with their APIs.



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“Simplicity in  
AV networks  
and video wall  
management”

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