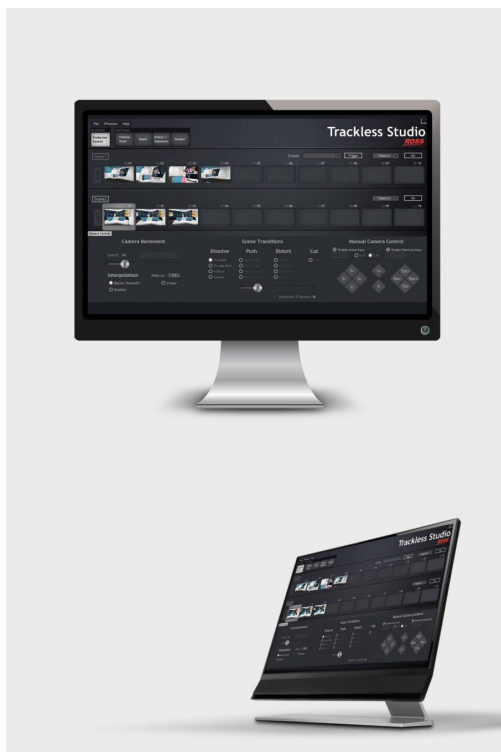


## TRACKLESS STUDIO

# ROSS



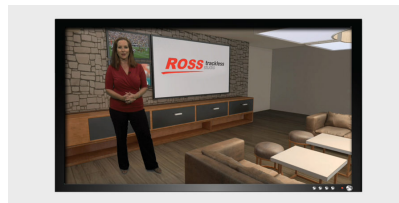
Trackless virtual systems are all-in-one engines that require no external action on the part of the camera in order to create movement. They use a stationary physical camera, with all the camera movement being done within the graphics engine. This eliminates the need for physical tracking equipment.



**Cena:**

**Kategorie:** [Video](#), [Broadcast](#), [Wirtualne Studio](#)

## GALLERY IMAGES



## OPIS

Trackless Studio is an all-in-one virtual production tool that fits almost any budget. Built on the XPression Real-Time Motion Graphics System with an intuitive purpose-built interface, Trackless Studio leverages Ross Video's years of experience with virtual sets and augmented reality to bring quality virtual sets to even the most basic productions.

### All-in-one

An all-in-one virtual production tool that includes multiple cameras, internal chroma key, live inputs, clips, stills, and 3D graphics.

## **Locked Down Camera**

Uses stationary cameras so tracking hardware or software is not required.

## **Looks Real**

Combining virtual camera moves and the same high-quality virtual sets as tracked implementations creates excellent productions.

## **Shortened Learning Curve**

Leverages years of experience with virtual sets and augmented reality to bring quality virtual sets to even the most basic productions.

## **Increased Production Value**

Acts as the entire set for a program for a cost-effective way to add production value to other content.

## **Don't Look Small**

All camera moves are done virtually inside of the XPression scene, eliminating the need for a large studio space.

---

## **Features**

### **Full 3D**

Real 3D virtual sets with full 3D motion capabilities.

## Transitions

Transitions between camera positions or between multiple cameras to show movement or changes in the production.

## Use Up to Four Cameras

Multi-camera support (1, 2 or 4 depending on hardware configuration).

## Multiple Control Surface Options

Control from touchscreen, Ross switchers, Ross DashBoard, optional X-Keys panel, keyboard, and web server.

## Internal Chroma Keyer

The internal chroma key allows for separation of the talent from the green screen, within the software. No external processing is required.

## Software-based camera Moves in 3D Space

Dramatic camera moves (crane or jib style).

---

## Applications

This product can be used as part of the following Smart Production Solutions:

- Sports & Live Venue
- Government
- News
- CorporateVirtual Studio
- House of Worship

- Education
- 

## Specifications

Trackless Studio's hardware is designed to guaranty the highest level of resilience and stability using the best available components.

### HARDWARE

|                 |   |
|-----------------|---|
| Chassis         | 4RU rack frame  |
| Power Supply    | 960W EPS 12V Hot-swappable 1+1 redundant power supply |
| Storage Media   | 3x 1TB SSD RAID 5                                     |
| System Drive    | 2x 256GB SSD RAID 1 (Mirrored)                        |
| Media Drive     | 1.8 TB  |
| CPU             | Intel® Core i7 7820x Processor 11MB Cache             |
| Mainboard       | ASUS WS X299 SAGE                                     |
| RAID Controller | LSI® MegaRAID® SAS 9361-8i                            |
| Memory          | 16GB DDR4 2666 UDIMM                                  |
| GPU             | Nvidia GTX 1080 8GB 256-Bit GDDR5                     |
| O/S             | Microsoft® Windows® 7 Professional, 64-bit            |

### DIMENSIONS

|        |                    |
|--------|--------------------|
| Height | 4RU 6.9" (17.6 cm) |
| Width  | 16.9" (43.0 cm)    |
| Depth  | 23.3" (59.2 cm)    |

## VIDEO FORMATS

|                     |  |
|---------------------|--|
| SD to 1080p Support | 480i 29.97Hz (NTSC), 576i 25Hz (PAL)<br>720p 50Hz, 720p 59.94Hz<br>720p 60Hz, 1080i 25Hz<br>1080i 29.97Hz, 1080i 30Hz<br>1080p 29.97Hz, 1080p 50Hz<br>1080p 59.94Hz, 1080p 60Hz<br>1080psf 23.976Hz<br>1080psf 24Hz<br>1080psf 25Hz<br>1080psf 29.97Hz<br>1080psf 30Hz<br>Custom Formats |
|---------------------|--|

## VIDEO STANDARDS

|    |  |
|----|--|
| SD | SMPTE 259M                             |
| HD | SMPTE 292M, SMPTE 424M -AB             |
| IP | SMPTE 2022-6, SMPTE 2022-7, SMPTE 2110 |

## INCLUDED ACCESSORIES

|               |   |
|---------------|---|
| Rackmount Kit | Slide rails, handles, and mounting hardware                       |
| Keyboard      | Standard USB PC Keyboard  |
| Mouse         | USB mouse   |
| Security Key  | USB License Key pre-installed internally                          |
| Software      | XPression Software and Workflow Tools package<br>on optical media |
| Warranty      | 12 Month System Warranty (parts / labor and<br>software updates)  |