Contents

1  Tracking Hub / Studio Manager 1.5.1 ................................................................. 5
   1.1 New Features .................................................................................. 5
   1.2 Bug Fixes ...................................................................................... 5
   1.3 Minimum Hardware Configuration ..................................................... 6
   1.4 Recommended Hardware Configuration .............................................. 6
   1.5 Supported Drivers and Software .......................................................... 6
   1.6 Certified Tracking Systems ................................................................. 6
   1.7 Installation ....................................................................................... 7
2  Tracking Hub / Studio Manager 1.5.0 ................................................................. 8
   2.1 New Features .................................................................................. 8
   2.2 Bug Fixes ...................................................................................... 9
   2.3 Upcoming Changes ........................................................................ 9
   2.4 Minimum Hardware Configuration ..................................................... 9
   2.5 Recommended Hardware Configuration .............................................. 9
   2.6 Supported Drivers and Software .......................................................... 10
   2.7 Certified Tracking Systems ................................................................. 10
   2.8 Installation ....................................................................................... 11
3  Documentation .............................................................................................. 12
4  Support ......................................................................................................... 13
• Tracking Hub / Studio Manager 1.5.1
  • New Features
  • Bug Fixes
  • Minimum Hardware Configuration
  • Recommended Hardware Configuration
  • Supported Drivers and Software
  • Certified Tracking Systems
  • Installation
• Tracking Hub / Studio Manager 1.5.0
  • New Features
  • Bug Fixes
  • Upcoming Changes
  • Minimum Hardware Configuration
  • Recommended Hardware Configuration
  • Supported Drivers and Software
  • Certified Tracking Systems
  • Installation
• Documentation
• Support
1 Tracking Hub / Studio Manager 1.5.1

Release Date: 2022-03-31

These are the release notes for Tracking Hub and Studio Manager version 1.5.1. This document describes the user-visible changes that have been made to the software since release 1.5.0.

1.1 New Features

<table>
<thead>
<tr>
<th>Summary</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing of switching camera commands is improved</td>
<td>VIZVS-1704</td>
</tr>
<tr>
<td>Line drawing for multi camera service was improved</td>
<td>VIZVS-1691</td>
</tr>
<tr>
<td>A new Kuper crane template was added</td>
<td>VIZVS-1677</td>
</tr>
<tr>
<td>The tick count settings are extended by a unit value</td>
<td>VIZVS-1675</td>
</tr>
<tr>
<td>The tick count calculation changed to float</td>
<td>VIZVS-1674</td>
</tr>
<tr>
<td>Kuper protocol can now assemble fragmented serial packets</td>
<td>VIZVS-1672</td>
</tr>
</tbody>
</table>

6 issues

1.2 Bug Fixes

<table>
<thead>
<tr>
<th>Summary</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backup tracking hub crashes when pressing Synchronize on the Master Tracking Hub</td>
<td>VIZVS-1729</td>
</tr>
<tr>
<td>A Studio Manager crash during opening the outdated Cyc editor was solved</td>
<td>VIZVS-1718</td>
</tr>
<tr>
<td>Studio Manager crashed when no post data was loaded</td>
<td>VIZVS-1711</td>
</tr>
<tr>
<td>Studio Manager crash when receiving external commands is fixed</td>
<td>VIZVS-1706</td>
</tr>
<tr>
<td>Corrected Camera and Video commands in A/B mode</td>
<td>VIZVS-1705</td>
</tr>
<tr>
<td>Multiobject was extended for correct ID handling</td>
<td>VIZVS-1693</td>
</tr>
<tr>
<td>The ground floor of the Two Corner Cyc was not saved to config file</td>
<td>VIZVS-1686</td>
</tr>
<tr>
<td>In rare situations the Tracking Hub was locked during closing</td>
<td>VIZVS-1640</td>
</tr>
</tbody>
</table>

8 issues
1.3 Minimum Hardware Configuration

- Minimum 16 GB Ram
- Dual-Core Intel CPU
- 10 GB free disk space
- OpenGL Hardware-accelerated Graphics Card

1.4 Recommended Hardware Configuration

- 32 GB Ram
- Quad-Core Intel CPU
- 30 GB of free disk space
- NVidia P2000 Graphics Card

1.5 Supported Drivers And Software

This software has been tested to run on:

- Windows 10 LTSC 64-bit.
- Viz Engine 4.4.1 or later.
- Service Host 2.0.
- Version 5.34 for Plura PCL-PCI and PCL-PCIe (LV, 3G) timecode reader cards (available on the Vizrt FTP in Vizrt Drivers/Alperman PCL).
- WIBU Codemeter 7.10. The driver is included in the installation package.

This software has been tested with Viz Arc 1.4.1.

The Lensfile Editor has been tested on the following browsers:

- Chrome
- Safari
- Firefox

1.6 Certified Tracking Systems

- Shotoku
- Motion Analysis
- NCam
- Egripment (Trackmen)
- StypeKit
- Vinten
- Free-D
- StarTracker
- Vicon tracking system
- XPecto
- Thoma
- BlackCam
- Spidercam FrameB
- Sony BRC X1000/800
- Panasonic AW-UE 150
- Panasonic AW-UE 100

## 1.7 Installation
- Administrator privileges are required to install Tracking Hub/Studio Manager.
- If the license dongle driver reports errors, please uninstall and reinstall the driver manually.
# Tracking Hub / Studio Manager 1.5.0

**Release Date:** 2021-08-27

These are the release notes for Tracking Hub and Studio Manager version 1.5.0. This document describes the user-visible changes that have been made to the software since release 1.4.2.

## 2.1 New Features

<table>
<thead>
<tr>
<th>Summary</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracking Hub to support 24, 25, 30 and 29.97 Hz frequencies</td>
<td>VIZVS-159 5</td>
</tr>
<tr>
<td>Add support for skycam and cablecam protocols</td>
<td>VIZVS-159 1</td>
</tr>
<tr>
<td>Loading configuration with post parameters has been improved</td>
<td>VIZVS-158 0</td>
</tr>
<tr>
<td>Add support for GeoPro protocol</td>
<td>VIZVS-157 6</td>
</tr>
<tr>
<td>Add support for replaying recorded sessions</td>
<td>VIZVS-150 0</td>
</tr>
<tr>
<td>Usability of the lens file editor has been improved</td>
<td>VIZVS-149 6</td>
</tr>
<tr>
<td>Support for TrackMen motion capture protocol added</td>
<td>VIZVS-148 5</td>
</tr>
<tr>
<td>The Tracking Hub can now send arbitrary commands during switching. This can be used for chroma key switching.</td>
<td>VIZVS-147 1</td>
</tr>
<tr>
<td>Added support for EagleEye protocol</td>
<td>VIZVS-145 4</td>
</tr>
<tr>
<td>The camera service can now send any amount of rigs to one engine</td>
<td>VIZVS-117 1</td>
</tr>
<tr>
<td>Add support for hd-skycam /heli tracking protocol</td>
<td>VIZVS-113 7</td>
</tr>
<tr>
<td>Position data of a rig structure can now be displayed per rig</td>
<td>VIZVS-105 2</td>
</tr>
<tr>
<td>A new tool for inspecting recorded post data has been added</td>
<td>VIZVS-976</td>
</tr>
<tr>
<td>Network time code from the engine is now implemented</td>
<td>VIZVS-938</td>
</tr>
<tr>
<td>The Studio Manager now supports auto login</td>
<td>VIZVS-626</td>
</tr>
</tbody>
</table>
2.2 Bug Fixes

Summary

<table>
<thead>
<tr>
<th>Issue Description</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trackmen distortion misses chipsize-Y property</td>
<td>VIZVS-1654</td>
</tr>
<tr>
<td>Backwall CYC sends incorrect string</td>
<td>VIZVS-1641</td>
</tr>
<tr>
<td>TH/Studio Manager crashes when loading modified/corrupt configuration files</td>
<td>VIZVS-1617</td>
</tr>
<tr>
<td>Unstable timing issue with A/V board</td>
<td>VIZVS-1536</td>
</tr>
<tr>
<td>TH automatically disconnects itself from Nevion router</td>
<td>VIZVS-1495</td>
</tr>
<tr>
<td>POST Tracking Data Playback - incorrect timecode offset</td>
<td>VIZVS-1494</td>
</tr>
<tr>
<td>Incorrect Tracking Data in Main/Backup environment</td>
<td>VIZVS-1482</td>
</tr>
<tr>
<td>Cyclotron Editor is missing Masks</td>
<td>VIZVS-1394</td>
</tr>
</tbody>
</table>

2.3 Upcoming Changes

Tracking Hub 1.5.0 is the last version with support for Sentinel Dongles. Newer versions will support WIBU licensing only.

2.4 Minimum Hardware Configuration

- Minimum 16 GB Ram
- Dual-Core Intel CPU
- 10 GB free disk space
- OpenGL Hardware-accelerated Graphics Card

2.5 Recommended Hardware Configuration

- 32 GB Ram
- Quad-Core Intel CPU
- 30 GB of free disk space
• NVidia P2000 Graphics Card

2.6  Supported Drivers And Software

This software has been tested to run on:

• Windows 10 LTSC 64-bit.
• Viz Engine 3.7.2 or later.
• Viz Engine 4.3.0 or later.
• Service Host 2.0.
• Version 5.34 for Plura PCL-PCI and PCL-PCle (LV, 3G) timecode reader cards (available on the Vizrt FTP in Vizrt Drivers/Alperman PCL).
• WIBU Codemeter 7.10. The driver is included in the installation package.

This software has been tested with Viz Arc 1.4.0.

The Lensfile Editor has been tested on the following browsers:

• Chrome
• Safari
• Firefox

2.7  Certified Tracking Systems

• Shotoku
• Motion Analysis
• NCam
• Egriement (Trackmen)
• StypeKit
• Vinten
• Free-D
• StarTracker
• Vicon tracking system
• XPecto
• Thoma
• BlackCam
• Spidercam FrameB
• Sony BRC X1000/800
• Panasonic AW-UE 150
• Panasonic AW-UE 100
2.8 Installation

- Administrator privileges are required to install Tracking Hub/Studio Manager.
- If the license dongle driver reports errors, please uninstall and reinstall the driver manually.
3 Documentation

Documentation for Tracking Hub and Studio Manager are available at the Vizrt Documentation Center:

- Tracking Hub
4 Support

Support is available at the Vizrt Support Portal.