About This Release

This is a ComponentPac release for Vantage that includes new improvements, and bug fixes. The release build number is: 2024.2.5225. This release supersedes the Flip64_2024.1.1 release.

Note: As part of our testing and QA process we have found an installation issue that affects the Flip64_2024.1.1 version. This release resolves this issue.

These release notes are applicable to the Transcode and Transcode Pro option for Vantage. Refer to separate Version 8.0 / 8.1 / 8.2 release notes for Vantage Platform and other components of Vantage for additional information.

Note: This release requires Vantage 8.2, Vantage 8.1, or Vantage 8.0 UP5.

Note: For customers using Vantage 8.0 UP5, this release requires OpenCL version 16.1.2 or later. Flip64 8.0.8 and later removed support for MxPA. As a result, jobs may fail with an OpenCL error. To resolve this error a compatible version of OpenCL must be installed on every server where Vantage Flip64 jobs are executed. Note: Different versions of the OpenCL driver may break other Vantage functionality, so we recommend using version 16.1.2 where possible. This OpenCL version is automatically included in the Vantage 8.1 release.
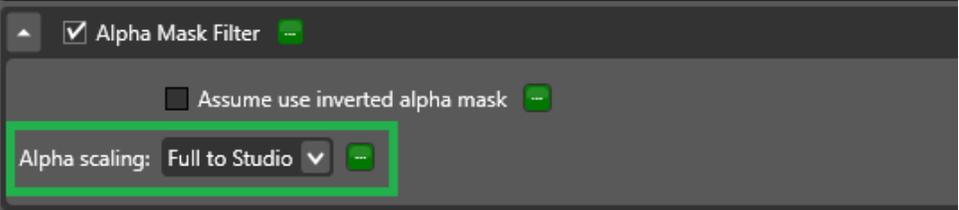
Note: Testing for this release was performed using Nvidia Driver version 535.98 for use with Tachyon and is ONLY needed for Tachyon workflows. For customers not using Tachyon stay on Nvidia Driver version 471.41.

Nvidia Driver version 535.98 is only supported on Windows 2019 and higher.

Note: When installing this ComponentPac, the Vantage Management Console will give a popup warning saying that this ComponentPac is designed for a future version of Vantage. This warning is triggered by the new versioning Telestream is using and will not cause issues. This warning was removed in Vantage 8.1 UP1.

Improvements and Fixes in the 2024.2 Release

Improvements and Fixes	
TXMF-8922	**Fixes** – Issue decoding WAV sources.
TXMF-8904	**Fixes** – Issue when attempting to trim Arri ProRes files in Cloud Mode.
TXMF-8912	**Improvement** – Added the ability for XAVC wrapped in a MXF OP1a output to be put into "Open Mode".
TXMF-8896	**Fixes** – Issue with Audio Dynamics Compressor converter running in Cloud Mode.

TXMF-8895	**Improvement** – Added the ability to scale Full Range Alpha channel output to Studio (Narrow) range:
TXMF-8889	**Fixes** – Issue with decoding captions from Matrox DSX files.
TXMF-8874	**Fixes** – Issue with decoding SD Matrox AVI sources.
TXMF-8864	**Fixes** – Issue with "Preserve original audio track" when reading from ECS storage.
TXMF-8861	**Fixes** – Issue with QuickTime DV output imported in Adobe Premiere showing incorrect DAR. **Note** – Flip64 2024.1.1 release had a bitrate issue related to this fix. This has now been resolved with the Flip64 2024.2 release.
TXMF-8820	**Fixes** – Issue with Nexguard/Nagra Watermarking failing.
TXMF-8746	**Fixes** – Issue with AFD insertion in MXF OP1a not appearing in 436m VANC track.

Known Issues in This Release

The following are known issues in this release, which may be fixed in a future version.

Numa utilization and job performance differences in machines that have 96+ virtual cores (48 without hyper-threading)

This can be resolved by using OpenCL version 18.1 or newer (TXMF-7444). When updating OpenCL versions, a machine restart is required.

Known NVIDIA Lightspeed GPU encoder issues:

Flip64 actions that use an older version of the Lightspeed GPU encoder are not upgradeable to the new version of the NVIDIA Lightspeed GPU encoder. If you wish to use the new encoder, you will have to remake those Flip64 actions.

There is also a change in the GOP length limitation in the new encoder. The old encoder had a GOP Length maximum value of 1024 (GOP Length option under Codec Configuration). The new encoder has a GOP Length maximum value of 1000 (Max IDR-frame Interval (GOP length) option under Frame Type).

Tachyon Deterministic Mode limitations

There are some known limitations of this feature:
abs((src framecount * framerate_conv_factor) - output frame count) must be less than 5 frames. We recommend that users only adjust the output frames by + or – 1.

Media Expansion Converter and Discontinuous Timecode

There may be cases where use of the Media Expansion Converter will produce discontinuous timecode due to inserted media. In the future there may be more options to control this behavior.

Using Multi-Pass Encoding with x265

Multi-pass encoding in x265 is currently limited to two passes. Attempting more passes will result in an error.

Two Pass Encoding and Open Workflows

When two pass encoding is enabled in Vantage, actions may not be used in 'Open Mode'. An action in the Open Workflow mode which attempts a two-pass encoding will hang and does not provide an error that two pass encoding is not supported.

FFV1 Encoding may fail when Flip64 is in Cloud Mode

FFV1 encoding of long form content may fail when Flip64 is in Cloud Mode. With Flip64 8.0.8 and later, Cloud Mode will be unavailable if FFV1 encoding is configured.