

Vantage Flip64 2022.2 Release Notes

About This Release

This release is a ComponentPac release for Vantage that includes new features, improvements, and bug fixes. The release build number is: 2022.2.0.323706.

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

Note: This release requires Vantage 8.1 (or later) or Vantage 8.0 UP5 (or later).

Note: For Vantage 8.0 systems that cannot use UP5, use UP4 along with patch – Vantage_8_0_ComponentPac_Upgrade_Patch_Setup(8.0.958.135).

Note: For customers using Vantage 8.0 UP4 or UP5, this release requires OpenCL version 16.1.2. 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: A later version 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 471.41.

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 has been removed in Vantage 8.1 UP1.

Note: For the new open MXF to Media Creation functionality, this release requires Vantage 8.1 UP1 patch Vantage_8_1_Flip64_Open_MediaCreation_Patch_Setup(8.1.210.7) or Vantage 8.0 UP5 patch Vantage_8_0_Flip64_Open_MediaCreation_Patch_Setup(8.0.1211.165).

Major new Features in this Release

- **TXMF-7423** – Added support for new Nielsen SDK 6.0.13 - VOD, RTVOD and PreRender can now be found under the filter called Nielsen Watermarking V3 Filter. **Note** – For the application types that require a SID/TIC Server, that server must be running at least version 7.0 of the SID/TIC Server. Testing was done with version 7.0.19.0.
- **TXMF-6341** – Added support for Blackmagic RAW decode.

- **TXMF-6966** – Allow the Kantar watermarking filter to operate in Cloud Port for Flip64. **Note** – an Online Authorization mode must be used when configuring the Kantar Watermarking Filter for Cloud Port. Kantar watermarking in the cloud is only supported with Vantage 8.1 UP2.
- **TXMF-7107** – Added Decode Support for content created for Stadiums and Venues.
- **TXMF-6341** – Added support for Blackmagic RAW decode.

Improvements, Features, and Fixes in this Release:

- **TXMF-5746** – The beta release of AV1 decoder has now gone through QA. This is a new, open-source encoder. Telestream will support this encoder, but we expect there to be issues that may be codec or source specific.
- **TXMF-7112** – Rename Abekas Encoder to “Ross-Abekas.clip”.
- **TXMF-7122** – Increase max width and height to 30,000 pixels in the QT Animation encoder.
- **TXMF-7402** – Integrate new NexGuard SDK v1.12.1 into Flip64.
- **TXMF-7324** – Improve error message when processing a job doing a NexGuard audio watermark on AC-3 or EAC-3 audio.
- **TXMF-7521** – Added IMX to MxfOp1A container.
- **TXMF-7539** – Updated MainConcept libraries to version 13.1.
- **TXMF-7542** – Added TIC Duration field to Commercial ID selection in the Nielsen v3 filter so that the user can optionally enter the duration value or bind it to a variable; also add Duration in the Metadata.
- **TXMF-7705** – New Kantar, v8.2.1 SDK, added to Flip64.
- **TXMF-3091** – Add TIFF to keyframe encoder.
- **TXMF-6182** – Added Vertical Blanking Synthesis Filter into Flip64.
- **TXMF-7058** – Added AES wrapping mode to IMX MXF output.
- **TXMF-7146** – Added capability to create QT audio only files with TC.
- **TXMF-7274** – Added decode support for Opus audio codec.
- **TXMF-7546** – Added a second text overlay filter to Flip64.
- **TXMF-7550** – Fixed issues with using custom metadata in the Kantar Watermarking Filter.

- **TXMF-6933** – Improved NexGuard JWT filter UI.
- **TXMF-7565** – Improved Flip64 open mode behavior when open file timeout is > 180sec.
- **TXMF-6000** – Fixed issue A/V sync issue when converting from 23.976fps to 25fps (use original frames).
- **TXMF-6029** – Fixed issue decoding JPEG 4:4:4 images.
- **TXMF-6414** – Fixed issue with Transcode failing when doing video direct convert + DolbyE decode.
- **TXMF-6632** – Fixed issue with QT output based on customer's AVI Cineform files does not play in QT Player/Premiere.
- **TXMF-6994** – Fixed issue with Tachyon converter fails for customer's mkv VP9/Opus sources.
- **TXMF-7116** – Fixed issue new Color Lookup Table filter is slower than legacy implementation.
- **TXMF-7241** – Fixed issue failing to decode Aviwest mp4 sources.
- **TXMF-7245** – Fixed issue with MXF OP1a DNxHR encoding fails for video height 1080.
- **TXMF-7308** – Fixed issue with Tachyon converter is creating Broadcast Range output, while full range would be expected.
- **TXMF-7388** – Fixed issue with AS-10 output based on ProRes mov source shows incorrect Picture Edit Rate in Vidchecker.
- **TXMF-7395** – Fixed issue with 'Number of Channels per track' setting has impact on transcoding performance.
- **TXMF-7640** – Fixed issue with Nielsen decoder channel log files need to follow the naming convention used by the legacy Nielsen filter.
- **TXMF-6714** – Fixed issue with Media Expansion with Timecode Override creating Timecode errors.
- **TXMF-6850** – Fixed issue with Media Trim with Direct Convert on MXF Mpeg-2 Long GOP source files are off by 1 second at SOM.
- **TXMF-6912** – Fixed issue with LUT filter speed difference in later Flip64 CP's.
- **TXMF-7121** – Fixed issue with MXF XAVC 4K Intra output showing Dark Metadata errors in Baton.

- **TXMF-7337** – Fixed issue with transcode of ProTool WAV source file that would produce an output with shortened duration.
- **TXMF-7435** – Fixed file processing issue with daily footage getting transcoded by Vantage that was coming out “too bright.”.
- **TXMF-7476** – Fixed issue with JPEG 444 8 bit files are crashing in Flip64 Image Decoder.
- **TXMF-7593** – Fixed issue with 28-minute source file being truncated down to 17 minutes output in Flip64.
- **TXMF-7658** – Fixed issue with Flip64 2022.1.1 is getting high rate of failures on WAV creation.
- **TXMF-7544** – Fixed issue with Nielsen watermarking of 14 or 16 audio channels gives error.
- **TXMF-7701** – Fixed issue with decoding customer’s AVI wrapped HDYC files.
- **TXMF-7639** – Flip64 Audio Levels converter will no longer apply any changes for "Source Loudness" bound values less than -70 LKFS; no adjustment will be done.
- **TXMF-7785** – Fixed issue when using the new Color Space Filter and the Image Overlay Filter in the same Flip64 action would cause an object reference error.
- **New AVC Intra behavior** – Flip64 now limits to Narrow range video. This is per the specifications, AVC Intra is specified as Narrow range video. Narrow range can also be called Broadcast range or Studio range. If the source file, used as input to a Flip64 action making AVC-Intra output, has Full range video, you will need to enable the Color Space Filter and set the Output Video Range to be Studio Range in order for the transcode to successfully complete.

Known Issues in This Release

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

Tachyon Quality Issues

There are many known quality issues with Tachyon since the Flip64 8.0.11 release. Telestream recommends not using Tachyon for these ComponentPacs. We are working with Cinnafilm to get these issues resolved.

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.

AVCI 720p MXF ARD_ZDF outputs show GOP errors in MXF Analyzer

AVCI 720p MXF ARD_ZDF outputs show the following error in MXF Analyzer:

Error: This file has at least one Track without a DisplayF2Offset value set which does not meet the maximum DisplayF2Offset allowed by the ApplicationSpecifications best matching EssenceContainer with ID 1 (0). The value was not computed but taken from the files Metadata.

XDCAM 1080i MXF ARD_ZDF outputs show ClosedGOP error in MXF Analyzer

XDCAM 1080i MXF ARD_ZDF outputs show the following error in MXF Analyzer:

Error: The correct value for property ClosedGOP is false and not true as encoded in the file

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, Cloud Mode will be unavailable if FFV1 encoding is configured.

Dolby Atmos DAMF source file fails when Flip64 is in Cloud Mode

Dolby Atmos DAMF source file causes Flip64 to fail in Cloud Port Mode (works on prem).

Dolby Atmos ADM BWAV source file fails when Flip64 is in Cloud Mode

Dolby Atmos ADM BWAV source file may cause Flip64 to fail in Cloud Port Mode (works on prem).