About This Release

This release is a ComponentPac release for Vantage that includes new feature and bug fixes. The release build is: #2024.2.256.

These release notes are applicable to the Analysis options for Vantage. Refer to separate Version 8.2/8.1 release notes for the Vantage Platform and other components of Vantage for additional information.

Note: This release is intended for Vantage 8.2 or Vantage 8.1.

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.

New Features, Improvements, and Fixes in the Analysis 2024.2 Release

New J2K GPU Light Level Filter	
ALYZ-1424	Added a new Light Level Comprimato J2K CUDA Filter that gives the ability to now use the GPU for decoding JPEG 2000 sources when calculating light levels. The Light Level Comprimato J2K CUDA Filter runs approx. 30% faster than the standard CPU Light Level Filter. **Note** – This filter requires the V-GPUJ2K license. **Note** – This filter is not supported in Vantage Cloud.
ALYZ-1444	**Improvement** – Added Channel Based Immersive audio support to the Dolby Atmos Loudness Filter. Currently support 5.1.4 channels. **Note** – The Analyze Dolby Atmos Filter requires both the Analyze Pro and the Object Audio license.
ALYZ-1433	**Improvement** – The Color Levels Filter can now analyze video luminance level above Y 255. The Color Levels Filter now supports values up to 1023. **Note** – This change will require workflows using the Color Levels Filter to be upgraded. If using bindable variables, the workflow will need to re-built.
ALYZ-1431	**Fixes** – Issue analyzing some DNxHD sources.
ALYZ-1416	**Improvement** – Dolby Atmos Filter now accepts Digital Cinema Initiatives (DCI) mxf sources.
ALYZ-1410	**Fixes** – Issue with incorrect duration from MP3 sources.
ALYZ-1228	**Fixes** – Issue with false positive for 608 detection.
ALYZ-1201	**Fixes** – Issue with Dynamic Ad Insertion analysis failing to output SCTE 104.
ALYZ-1135	**Improvement** – Improved the Macroblocking detection performance.
ALYZ-837	**Fixes** – Issue with WAV files over 4GB's in size not returning duration values.

Known Issues in This Release

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

Comparison of JPEG 2000 Sources

There is a regression in this release that prevents successful use of the Compare action with sources containing J2K encoding. This issue does not affect the Analysis action's ability to use SSIM or PSNR in combination with J2K sources.

Extraction and Conversion of Caption/Subtitle Data

In some cases, there are issues with extraction of caption/subtitle data from sources to output formats such as SCC. This functionality is not enabled for use in Vantage Cloud Port and may be deprecated in future versions of Analysis. In general, in use cases where captions are being extracted and converted for consumption or delivery with media, Timed Text Flip is the recommended action.

Ancillary Data Detection: EIA-608 Captions Detected

Type 0 and type 1 caption data is no longer extracted from 708 captions when looking for 608 captions. EIA-608 Captions Detected now only returns true for 608 captions if there is 608 VBI or a 608 metadata element.

Multiple VMAF Filters in the same Analyze Action

Using more than one VMAF Filter in the same Analyze Action does not function. If multiple VMAF Filters are required, they must be used in separate Analyze Actions.