

Vantage Analysis 2025.1 Release Notes

About This Release

This release is a ComponentPac release for Vantage that includes new features and bug fixes. The release build is: 2025.1.452.

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.

New Features, Improvements, and Fixes in the Analysis 2025.1 Release

New Level/Gamut (High Bit Depth) Filter	
ALYZ-1425	Added a new Level/Gamut (High Bit Depth) Filter that supports video up to 10-bit.
New Telecine Cadence 2025 Filter	
ALYZ-1394	Added a new Telecine Cadence 2025 Filter which supports 6:4 and Still Image cadence detection in addition to 3322, 3232 and 2224 (4:1) cadences. Note – The Telecine Cadence 2025 Filter requires the Analyze Pro license.
Improvements and Fixes	
ALYZ-1488	Fixes – Issue with longer duration PCM wav files failing.
ALYZ-1480	Fixes – Issue with Mpeg4/AVC files failing to analyze.
ALYZ-1475	Fixes – Issue with VirtualFlip.exe process does not terminate immediately. Note – The VirtualFlip.exe will now only be used when the “Force Flip Decoder” is enabled.
ALYZ-1469	Fixes – Issue with Movie Duration not generating correct duration for WAV file.
ALYZ-1468	Fixes – Issue with Analyze action failing when processing QT HAP file.
ALYZ-1467	Fixes – Issue with WAV sources failing with Faulted State error.
ALYZ-1464	Fixes – Issue with PSNR memory leak when comparing large source files.
ALYZ-1463	Fixes – Issue with Analyze failure when analyzing WAV files.
ALYZ-1462	Improvement – Added Height and Surround trims for Dolby Atmos CBI loudness.
ALYZ-1461	Fixes – Issue with incorrect duration for audio only files.
ALYZ-1460	Improvement – Increased speed performance for Color Data analysis. Added a new UI control that allows the ability to select how many frames are processed for Color Data analysis.
ALYZ-1459	Improvement – The existing “Blank/Empty” captions parameter has been re-purposed to show if the media has printable/visible characters.
ALYZ-1456	Fixes – Issue with analyzing HEVC MP4 video.
ALYZ-1453	Fixes – Issue with Telecine Cadence Analysis reporting false positives with Telecine Cadence 2224 (4:1).

	Note – This issue is fixed using the new Telecine Cadence 2025 Filter.
ALYZ-1432	Improvement – Added tolerance thresholds to analyze Light Level Filter.
ALYZ-1392	Fixes – Issue with DolbyE detection shows false positive.
Note	Change – This release includes an update to our Scene Change Analysis Filter. If customers are using this filter and are happy with the current results, then they should stay on the current ComponentPac for Scene Change Analysis.
Note	Change – This release includes an update to our Telecine Detection Filter. Threshold settings may need to be adjusted with this update.

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.