

Vantage Timed Text Flip 8.0.4 ComponentPac Release Notes

New - Vantage Cloud Port

Vantage 8.0 introduces a new feature: Vantage Cloud Port

- Vantage Cloud Port enables the ability to place certain actions into a mode where their execution will take place within containerized micro-services in the cloud. For more information, please visit our Vantage Cloud Port information page: <https://www.telestream.net/vantage/vantage-cloud-port.htm>

About This Release

This update includes the following:

- New features for Timed Text Flip
- Bug fixes for Timed Text Flip

Installation

This ComponentPac update can be installed on Vantage systems running Vantage 8.0. *Please test this update in a lab environment before deploying in production.*

Secured Version Control App Note:

http://www.telestream.net/pdfs/app-notes/app_Secured_Version_Control.pdf

New features since Timed Text Flip 8.0.3

- IMSC outputs can now have time expressions specified as HH:MM:SS:FF, HH:MM:SS.sss, frames, or ticks (SUB-1520)
- Added new option to normalize colors in TTML outputs. (SUB-1512)
- PAC input now supports Greek, Finnish, Polish, Hungarian (SUB-1446, SUB-1466, SUB-1469, SUB-301)
- Added parameter to always include frame rate in TTML headers even when otherwise unnecessary (SUB-1458)
- Improved handling of paint-on and roll-up captions when converting to other formats such as Teletext or IMSC subtitles (SUB-1479)

Fixed in this Update

- Fixed several frame rate conversion modes from SCC to TTML (SUB-1540, SUB-1533, SUB-1495, SUB-1462)
- Improved positioning accuracy when decoding and re-encoding Teletext (SUB-1448, SUB-1374)
- Fixed truncated last subtitle when converting Teletext to TTML (SUB-1367)
- Fixed timings in conversions of 23.98fps SCC to SRT (SUB-1436)
- Fixed binding a SCC input frame rate using a variable set to “25” instead of “25.0” (SUB-1531, SUB-1530)
- Fixed slow processing of complex TTML files leading to time outs (SUB-1528)
- Fixed round trip of some special CEA-608 characters when converting between SCC and TTML (SUB-1516)
- Reduced redundant region or style definitions in IMSC outputs (SUB-1511)
- Improved behavior when processing TTML input files with invalid extents (SUB-1508)
- SRT outputs will now remove extra newlines between lines of subtitle text (SUB-1503)
- Fixed numbers starting with a hyphen were left-to-right reversed in Hebrew 890 files (SUB-1280)

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

SUB-1425 When running in Cloud Port mode, DCP subtitle files which link to PNG image files using relative file paths will not process correctly because the PNG files do not get localized to the cloud.

SUB-1274 When encoding 608 captions, and the source contains an em dash in column 32, the em dash may be encoded in a way that not all caption decoders will decode it correctly. It is not recommended to place an em dash in column 32.

SUB-1399 Rendering Japanese text to a subtitle overlay is not supported in Cloud Port mode due to a lack of a supporting font.

SUB-1400 Some inconsistent results were seen when rendering right-to-left text containing embedded left-to-right sequences (such as numbers) to a subtitle overlay in Windows vs. in Cloud Port mode.

SUB-1024 Minor differences in font rendering may be seen when comparing subtitle overlays made in cloud mode versus the same action run on premise. This can include small variations in positioning, word wrapping, font anti-aliasing, etc. Some features such as support for vertical subtitles and Ruby annotations do not work in cloud mode, and will be addressed in a future update.

SUB-1043 If the Font parameter is bound to a variable and the job is run in cloud mode, the font will not be verified as being available in cloud mode. If the job is run with a variable that specifies a font that isn't available in cloud mode, a different font may be substituted without warning.

SUB-1058 When running in cloud mode and outputting to Subtitle Overlay, all text in a region will be drawn with the same text outline setting. Some sources such as TTML may specify different text outlines in the same region, but in cloud mode, only the first text outline setting from each region will be used.

SUB-1069 Using drop shadow set to a non-default angle (e.g. to the left or above the text, instead of down and to the right) may result in a truncated drop shadow when running in cloud mode.

SUB-927 When encoding Teletext, the maximum number of characters per line is 35 (when double height mode is enabled) or 36 (double height mode disabled). Subtitle sources with more than this number of characters will encode to Teletext but lines of text that are too long will be truncated.

SUB-614 When outputting SRT, some timecode results are different from MacCaption SRT files

SUB-794

When rendering Arabic text to a subtitle overlay, ensure you select a font that supports all Arabic characters. Some fonts (e.g. "Arial") may not support all Arabic characters correctly.

SUB-805

Certain customer-provided transport streams containing DVB Subtitles are failing to read as an input source in this version of Timed Text Flip.

SUB-747

Converting certain source files such as Spruce STL input to an EBU-STL output may fail with an error in the subtitle converter. This is because EBU-STL output only supports certain exact frame rates which may be different from what is contained in the source file. Workaround: Enable the Frame Rate Conversion filter, and set the EBU-STL output to the desired frame rate (typically 25.0 or 29.97).

DVB Subtitle Output – General issues

Certain combinations of settings such as high resolution (greater than 720x576), high color depth (greater than 16), or certain font effects such as large font size, drop shadow, etc. can cause DVB subtitles to exceed the bitrate that will fit into the final transport stream after muxing with video & audio in IPTV. Care should be used to select settings that do not exceed the available bitrate in the stream.

SUB-514

When converting closed captions to EBU-STL or Teletext, and the source closed captions contain paint-on or roll-up sections, the output will attempt to emulate the original effect. If this is not the desired result, the caption sources should be converted to pop-on captions using a caption authoring tool such as CaptionMaker or MacCaption.

SUB-547

If a specific font is selected for the Font setting in Subtitle Overlay, and that font is not available for use on a node, the job is expected to fail. However on Windows Server 2016 we observed that the job may

hang instead. Using -> Control Panel -> Appearance and Personalization -> Fonts -> Download fonts for all languages -> Now the workflow completes jobs without hanging.

SUB-563

Can't decode Teletext from a Media Input and output to TTML SMPTE-TT 2052 profile

Workarounds: Select IMSC 1.0 profile instead, or, use a two-step process to output SMPTE 2052: TT Flip action with Media input to TTML output (IMSC1 profile), followed by another TT Flip action with TTML input to TTML output (SMPTE 2052 profile).

SUB-564

Can't decode Teletext from a Media Input and output to SCC or MCC

Workaround: To convert from a Media source with embedded Teletext to SCC or MCC output, use a two-step process: Create one TT Flip action with a Media input and a TTML output (set to read a Teletext page as the source channel), then, create a second TT Flip action with a TTML input and a SCC or MCC output.

SUB-458

Converting Lambda CAP to TTML combines two vertical text regions into one text line. Workaround: Does not occur when using TTML profiles IMSC 1.0 or iTT (which both support vertical regions properly). Only an issue when using Default/Basic TTML profile which do not support vertical text anyway.

SUB-451

Attempting to create UHD or 4K DVB ts results in 'Argument out of range error'

SUB-449

Overlay text extends outside the text box in several character sets

SUB-440

Some PAC files cause intermittent job failures when the wrong language is selected going to Subtitle Overlays

SUB-438

Japanese italics Text layout issues on certain input Lambda .cap files containing italics

SUB-428

Some PAC files cause job failures when the wrong language is selected going to DVB Subtitles

SUB-423 / SUB-461

Captions with complex wipes produce unusable DVB outputs not compatible with IPTV. DVB subtitle streams with peak bitrates significantly higher than the maximum 400kbps will trigger buffer errors on mux. Users may choose to generate potentially non-compliant transport stream files by disabling the option to "Treat Buffer Underflows/Overflows as Errors"

SUB-415

Timed Text font scales outside the title safe background box when scaling font to 200% or greater

SUB-396 - Timed Text: TTML source job may fail if the 4 line limit for CEA-608 captions is exceeded.

SUB-232 - When using a source that specifies background boxes by default (e.g. closed captions), if you change the font to one that draws larger than the default monospace font, parts of some characters may be drawn extending outside of the background boxes. Suggested workaround: When using a source that specifies background boxes by default and you override the font, you should also enable the "Background Color Override" checkbox and specify the desired background color and opacity. This will resize the background boxes to better fit the specified font.

When using a source that contains paint-on or roll-up captions, and using a proportional font (e.g. Arial Black) without a font outline override and without a background color override specified, you may notice the text characters shift positions slightly from one frame to the next. Suggested workaround: When using a source that contains paint-on or roll-up captions, use the default monospace font (e.g. Courier New). Or, if you must specify a different font, you should also enable the font outline override and set a non-zero font outline size.

SUB-225 - Some .GXF files may contain non-supported caption encoding that will result in garbled captions during timed text extraction from input Media.

SUB-178 - Subtitle Overlay output does not export non-square pixel resolutions such as 1440x1080. Must export full raster 1920x1080 and down convert.

SUB-159 - Currently, input media in.LXF containers are not supported in Same as Source outputs for caption data insertion.