

Release Notes for Transcode Multiscreen in Vantage 6.3

About This Release

The Vantage 6.3 release includes a new release of Vantage Transcode Multiscreen. This product is specifically designed for generating Adaptive Bit Rate file packages.

For more detailed information about the Vantage 6.3 release, including system requirements please see the Vantage 6.3 Release Notes.

Installation in a Vantage Environment

Updated Transcode Multiscreen components are automatically installed as part of a Vantage 6.3 installation.

Note: If your maintenance has expired and you upgrade your Vantage system, it will not function after the upgrade. Vantage 6.3 requires you to obtain a new license from Telestream if your maintenance expiration date is **August 10th, 2014 or earlier**. Your maintenance expiration date can be found in the Licenses section of the Vantage Management Console, or you can contact license@telestream.net to verify that your maintenance is current and to obtain the new license.

! NOTE: Please test before upgrading your production environment

It is always advisable to run a separate copy of this new build, staging your production workflow in a test environment, before updating your Vantage production server. Telestream can provide you with a limited license in order to configure and qualify this new release in a test environment prior to upgrading your production server. For assistance email Telestream Support support@telestream.net or call our technical support team at 877-257-6245 (North America), +1-530-470-2036 (Europe, Africa and the Middle East) or +1 530-470-1300 (International)

Important Notices

Lightspeed Jobs Hanging on K20 Servers

In certain circumstances, Lightspeed accelerated x264 encoding jobs that ran on Mk1 Lightspeed servers can hang on K20 servers. There is a workaround for this issue using the `–threads X264` command line argument, please contact Telestream support for assistance. This issue will be addressed in the next Vantage release.

Adobe HDS Packaging

The Adobe HDS packaging option is not working in the Vantage 6.3 release. If you need to upgrade to Vantage 6.3 and have a requirement for HDS packaging, please contact Telestream Support.

New Features in This Release

2-pass H.264 encoding

Support for two-pass H.264 encoding has been added to Transcode Multiscreen and is immediately available for any H.264 output type including adaptive bit rate formats.

HEVC upgraded to x265 v1.2

This release includes x265 release 1.2 which improves bit rate control, adds caption support in SEI user data, and improves performance. Additional profiles and levels are also supported including Main10 (10-bit encoding), please refer to the x265 documentation for more details. x265 documentation can be found here: <https://media.readthedocs.org/pdf/x265/stable/x265.pdf>

HLS with HEVC

This release adds the ability to create HLS adaptive bit rate content with HEVC video.

Microsoft Smooth Streaming Caption Support

Support has been added for ISMT Captioning in Microsoft Smooth Streaming Packages. A DFXP source is required for the caption data.

Fixed in This Release

The following reported issues have been verified as fixed in Vantage 6.3:

- GIR-9612: Changed structure of HSS Stream Index for improved player compatibility
- GIR-9494: Using both insert black filters is no longer causing the MS action to fail
- GIR-9493: Black insertion filter is now adding black frames correctly when start time isn't zero.
- GIR-9256: Constant rate factor is now available as a rate control option for the x265 transcoder
- GIR-9241: MXF OP1a J2K sources are no longer causing failures.
- GIR-9084: CMD line parameters are now forwarded properly to x264 encoder
- GIR-9055: No longer hang indefinitely if overlays content extends beyond end of primary source
- GIR-8903: Added support for Sorenson SVQ3 source files with Flip decoder
- GIR-8873: Added blend deinterlacing option
- GIR-8668: Added ability to duplicate output settings
- GIR-8247: Session status now shows which decoder was used.
- GIR-5969: Added meaningful error message in case of GPU memory overuse.

Known Issues

The following have been reported in this release:

- GIR-10266: X264/QT 1080i60 output plays back choppy in QuickTime on Windows and Mac
- GIR-10250: Visual artifacts when decoding 10-bit HEVC sources
- GIR-10207: Using both video inserts with a mixture of same as source and same as output causes the job to hang.
- GIR-10205: Insert video/audio causes hangs when using an offset with a source at 25/50 fps.
- GIR-10189: Issue with scrubbing HLS served from an Nginx server.
- GIR-10036: Multiscreen action unable to ingest X265 V1.2 sources.
- GIR-10022: Intermittent CPU usage on paused jobs with mp2 elementary audio source
- GIR-9848: Action crashed when doing Audio / Video Insertion with multiple audio streams in the output.
- GIR-9154: Possible issues with accented characters and non-roman characters in HLS output files.
- GIR-9143: Mixed inserts (same as source and same as output) settings used causes action to hang.
- GIR-9068: MS: Creating Adobe HDS outputs cause the MS action to fail.

The following issues reported in the Vantage 6.2 release have not been verified as fixed in this release:

- GIR-8227: FLV sources do not decoding.
- GIR-8178: AV sync issue in output from specific AVI source
- GIR-8160: Stuttering audio in output from Avid MC DV source
- GIR-8152: 5.1 to Stereo Down-mix does not work.
- GIR-8087: Auto decode fails on customer MXF source file, Flip Decoder processes.

- GIR-7855: Encoders crashes with customers long form ProRes source material
- GIR-6140: Captions in x264 1280x720 60p in Apple HLS are garbled