

## Software Version 5.0 Release Notes

### About Vantage Version 5.0

Vantage Version 5.0.35.104702 is a major release of the Vantage product family. It adds a new transcoder for IPTV and cable transcoding, integrations with Aspera and Baton, new SDK capabilities, and also includes a variety of other new features and bug fixes.

*Note: This release includes the Vantage 5.0 update to Transcode, Transcode Pro and Analysis. Please refer to those release notes for additional information.*

*Note: This release includes the Transcode Multiscreen 5.0.35.104702 release. Please refer to the Transcode Multiscreen release notes for additional information.*

*Note: This release includes the Transcode IPTV VOD 5.0.35.104702 release. Please refer to the Transcode IPTV VOD release notes for additional information.*

### Documentation and Support

Full installation instructions and online documentation can be found at:

<http://www.telestream.net/vantage/help>

Telestream Support can be reached at:

<http://www.telestream.net/telestream-support/vantage/support.htm>

### SDK Documentation and Samples

You can download the Vantage SDK documentation and samples from the Telestream SDK download page at: <http://dynamic.telestream.net/downloads/download-sdk.asp>

Note that all versions of Vantage allow SDK development, including non-licensed Demo Mode installations. However, only those features which are licensed will be available when you execute your workflows via the SDK. If you require a time-limited trial license for development purposes please contact [sales@telestream.net](mailto:sales@telestream.net). Note that this trial license does not include SDK developer support.

SDK Developer Support – including email support and a watermarked development license – is available. It is included as part of your support contract if you have purchased an Enterprise support contract. Otherwise, it is available for purchase; please contact [sales@telestream.net](mailto:sales@telestream.net) for more information.

## Supported Components

*Vantage 5.0 supports the following component versions:*

**SQL Server Version:** SQL Express 2008 is included in this release. SQL Server 2008 Standard and Enterprise are supported. *Note: SQL Server 2005 Express is not supported by this release. If you are running Vantage 3.0 with SQL Server 2005, you must upgrade your database to SQL Server 2008 prior to using Vantage 5.0. Please refer to the Domain Management Guide for more information.*

**Server Operating Systems:**

*Note: With Vantage 5.0, Vantage services do not support Windows 2003 or Windows XP.*

**Vantage 5.0** services may be run on Windows Server 2008 R1 or R2, except:

**MediaMate** and **Aurora** services require Windows Server 2008 R2

**Transcode Multiscreen** and **IPTV VOD** services require Windows Server 2008 R2

**Vantage Web Applications** must be hosted on Server 2008 R2 or R1 with IIS 7

**NVIDIA Tesla Drivers:** The Lightspeed Server ships with Tesla Driver 295.73; it has also been qualified with driver 306.94 (part of CUDA Toolkit 5)

**QuickTime:** QuickTime 7.6.9 is recommended

**Screen Subtitling in the Flip Action:** Screen Subtitling is supported on Windows 2008 R1 or R2. *Note: This only applies to the Flip action, not the Vantage MediaMate service*

**Storage:** Vantage is qualified with EMC Isilon, and Rorke Aurora LS (with StorNext)

**Avid:** This release supports integration with Avid Interplay 2.6 and Media Composer 6.0.

**Digimetrics:** This release supports integration with Digimetrics Aurora 4.1.775.3

**Aspera:** This release supports integration with AsperaFaspex3.1

**Baton:** This release supports integration with Interra Baton version 4.3. *Note: Baton requires .NET 4.0*

## Upgrading from Previous Versions

If you are using Vantage 4.0 R3 or prior, this version will require a uninstalling and re-installing your software. Please refer to the [Upgrading to Vantage 5.0](#) topic in the Vantage Domain Management Guide for detailed instructions on how to upgrade. Note that some actions within your upgraded workflows must be re-built in order to display new capabilities.

**Note:** If your maintenance has expired and you upgrade your Vantage system, it will not function after the upgrade. Version 4.0 R3 requires you to obtain a new license from Telestream if your maintenance expiration date is **March 31<sup>st</sup>, 2013 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](mailto: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 servers. 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 details on how to replicate your Vantage workflows onto a test/qualification server please reference **Support Utilities->Vantage Workflows** within the Vantage Management Console Guide; alternatively, email Telestream Support [support@telestream.net](mailto:support@telestream.net) or call our technical support team at 877-257-6245 in North America or 1 530-470-1300 outside of North America.

## New Features in this Release

This document lists changes made since Vantage 4.0 R3.

### *Transcode IPTV VOD*

*This is an entirely new transcoder within the Vantage Transcode product family. Please see the Transcode IPTV VOD release notes for more information. Selected new features include:*

**H.264, MPEG-2 and MPEG-1 video** – H.264 includes x264 encoding technology for higher quality at lower bit rates.

**Manzanita Systems Transport Stream Multiplexing** – create Transport Stream files by specifying parameters, or by providing a Manzanita CFG file. Map input streams to output streams – including re-wrapping of input video and audio – for complete flexibility.

**Deep Metadata Support** – SCTE-35 insertion, V-Chip insertion, copy protection metadata, AFD insertion, audio language tags, and more.

**GPU Acceleration with Lightspeed Server** – video processing for all codecs, and H.264 encoding, can optionally be accelerated using the Telestream Lightspeed Server.

### *Transcode Multiscreen*

*Please see the Transcode Multiscreen release notes for more information. Selected new features include:*

**CPU-only mode** – This release allows Transcode Multiscreen to run without Lightspeed Server. Note that GPU acceleration is not available without the Lightspeed Server.

**LXF Reader** – A new LXF input type was added, allowing native support of video, audio and captions.

### *Transcode and Transcode Pro*

*Please see the “Transcode, Transcode Pro and Analysis in Vantage 5.0 Release Notes” for more information. Selected new features include:*

**AS-02 and AS-11 support** – encoding support for creating AS-02 and AS-11 (UK DPP) video files.

**GraphicsFactory support for Lightspeed** – the Lightspeed and 16-bit YCbCr video processing libraries now support application of GraphicsFactory templates during transcoding.

**Extended TSEDL support** – Telestream EDL submissions now support MPEG-2 GXF, P2 AVC-Intra, P2 DVCPro, QuickTime MOV AVC-Intra, and have added support for audio channel re-mapping.

**AVCHD Decoding** – support for Sony and Panasonic AVCHD camera format decoding.

**Audio Overlay Channel Mapping** – audio overlays now allow channel mapping up to 32 channels .

## *Analysis*

Please see the “Transcode, Transcode Pro and Analysis in Vantage 5.0 Release Notes” for more information. Selected new features include:

**New Web Caption Formats** – ability to generate W3C TTML and WebVTT timed text file formats.

**Identify Audio Languages** – ability to identify Omneon language IDs for up to 8 audio tracks.

## *Workflow Design & Automation*

**Interra Baton integration** – Allows integration with Interra Baton for file-based QC. *Note: This integration is an additional option which may be purchased from Telestream.*

**AsperaFaspex integration** – Allows delivery of media files to Aspera Faspex servers. *Note: This integration is an additional option which may be purchased from Telestream.*

**Duplicate Workflow Importing** – Workflows with the same name or same underlying UUID can now be imported. Name conflicts will be resolved by creating a new name.

**Open Workflow From Domain Job Status** – Within the Domain Job Status, administrators can now directly open the workflow for a specific job.

**Workflow Design Performance Improvements** – Under “Options” a designer can now disable validation, which significantly speeds up workflow design responsiveness and performance. Validation must be performed before activating a workflow.

**Avid Head Frames** – Within the Interplay Web Services notification plug-in, Vantage can now set a head frame location for assets within Interplay.

**Parameter Ordering** – Within the Management Console you can now multi-select parameters and change their order within a label.

**Multiple Workflow Portal Trim Groups** – A label may now contain multiple trim groups (previous versions allowed only one). These trim groups will display in the Workflow Portal desktop software.

**Folder In Manual Submit** – When doing a Manual Submit, a Vantage Folder may be selected and used as the directory for browsing. This allows common locations to quickly be used during a manual submit.

## Fixed in this Release

GIR-5751 – Motion adaptive de-interlacing with Multiscreen now allows a smooth transition between regions with motion, and regions without. This removes rare ghosting artifacts present in high-motion scenes.

GIR-5249 – Transcode Multiscreen now has a configurable service timeout which will allow jobs to gracefully fail if they become unresponsive.

GIR-5442 – Fixed issue where 20 simultaneous outputs each with its own overlay image would cause the transcode to fail.

GIR-5359 – Fixed issue delivering large (>1GB) files to Azure FTP.

GIR-5247 – Fixed issue where individual Transcode Multiscreen VBV settings were not applied across x264 transcodes. This now works correctly.

GIR-5205 – Fixed issue with incorrect positioning of DVB bit maps using the Screen integration.

GIR-5634 – Fixed FTP issue connecting to IIS 7 FTP servers.

GIR-5552 – Fixed crash caused when trying to delete a workflow in the Workflow Designer.

GIR-5034 – Fixed error where exporting workflows that referenced missing objects would fail to export.

GIR-5206 – Selecting help or ? in the MediaMate action inspector now works correctly.

GIR-4640 – Deploy with Avid TM now correctly calculates file transfer speed.

## New Issues in This Release

GIR-5459 – Issues have been reported rendering DVB subtitles using the Screen MediaMate integration, when sourced from .890 subtitle files with non-Latin fonts.

GIR-5233 – “Protected Memory” error may occur when activating a license for the first time; correcting DEP settings should address this issue. Please see the Installation Guide for more information.

GIR-5276 – Intermittent errors when manually submitting files from AMP file system.

GIR-5173 – If an Aurora test template is deleted, it will still appear in the Vantage UI.

## Unresolved Issues from Previous Versions

GIR-5371 – Certain ProRes 1080i source files will perform slowly with Digimetrics Aurora; this is an issue with Aurora and will be addressed with an Aurora update.

GIR-5089 – Ancillary Data Detection filter may fail if it does not have sufficient permissions to access the UNC location of the input file; the failure will occur without an error.

GIR-5196 – Web Job Status views have performance issues with large numbers of jobs (10,000 or more).

GIR-5198 – In large Arrays, services may leave Maintenance Mode on their own.

GIR-5166 – Watch actions looking at a Windows UNC path will not detect files containing the ‘%’ symbol.

GIR-5140 – the Aurora “Analysis Duration” variable is not generated correctly

GIR-5093 – Using “Backup” in the Management Console will write the backup file to the database server, even if a local directory was requested, if the Management Console is on a different machine. This can be avoided by using the Management Console to “Backup” on the database machine.

GIR-4285 – The Web Portal proxy viewer is not frame accurate when frame-stepping through the last second of the proxy. The desktop application does not exhibit this problem.

GIR-4451 – Vantage 4.0 LCS nodes will incorrectly report failures when running with Agility using the Vantage 3.0 LCS integration

GIR-3404 – Using a Watch with the SeaChange BML file system will not correctly detect files without an extension. Subsequent Copy actions will fail with the error “Object reference not set to an instance of an object.”

GIR-4392 – Some Omneon Watch acceptance criteria (media properties such as “4:3”) do not function correctly.

GIR-3333 – Delivery to the SeaChange BML does not correctly support the FSI Port.

GIR-3669 – A Watch using the AMP file system reports that new files are available even when there are no files available.

GIR-3649 – Avid Web Services integration will not correctly delete multi-resolution assets if “delete media” is enabled.

GIR-4893 – The Web Workflow Portal does not correctly enforce missing labels or media items. Portal ingest workflow should be configured to ensure that all necessary items are present in the binder, or operators will be required to add them manually.

GIR-4859 – Web Workflow Portal may crash if a binder is left open and idle for long periods of time (24 hours). This will not cause database issues and refreshing the web browser will have no adverse effects.

GIR-4851 – If stepping through more than 12-15 frames of PAL material in the Web Portal, the frame display will be off by one frame.

GIR-4853 – Some services may not appear in the Workflow Designer immediately after installation. If this happens, the Vantage Server should be rebooted; the problem will not return.