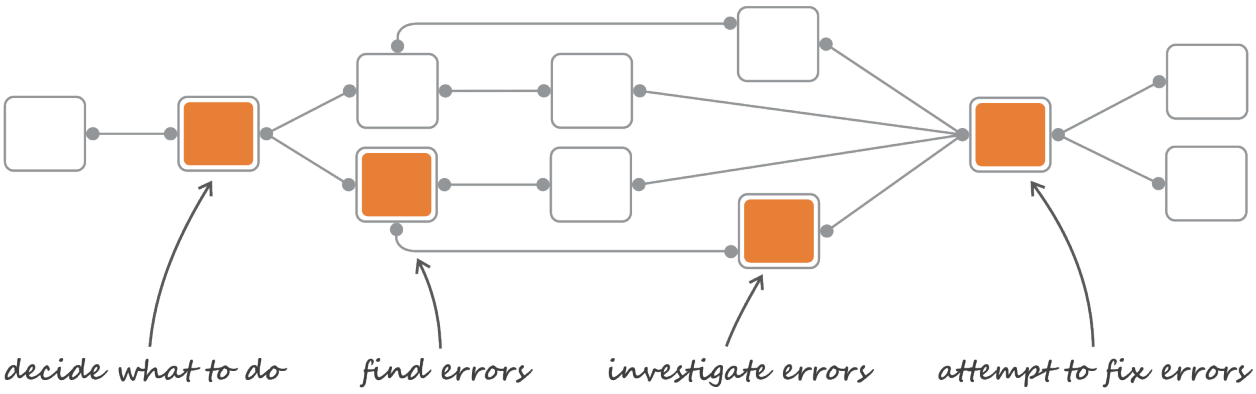
Vantage Analysis

Product Sheet



World's most intelligent video workflow

with fully-integrated Vantage QC and Analysis tools

Telestream Vantage® Analysis allows you to add automated media analysis and quality control checks directly into your media processing workflows. Identify file properties, perform video and audio analysis, and compare files. Results can also be used as a data feed for XML reporting, dynamic encoding profiles, 3rd-party system notification, and more. Vantage Analysis goes beyond content verification to enable you to automate using smart transcoding and self-healing quality control workflows.

Overview

With the industry's broadest file format support, Vantage Analysis is a fully-integrated part of Vantage, allowing you to design your workflow without the need for temporary file formats or unnecessary file copies. Vantage Analysis also scales up to multiple servers, providing full scalability, load-balancing and redundancy, with 24/7 reliability and auto-failover within the Vantage environment.

Build Intelligent Transcoding Workflows

Vantage can fully automate some of the world's toughest transcoding workflows, removing the need for operator intervention.

Combine Vantage Analysis with Vantage Transcode Products to create video processing workflows that automatically respond to incoming media properties. Results from Vantage Analysis can drive independent decision-making for each media file – for example, choosing a different encoding profile based upon whether the file is SD or HD, curtained or letterboxed. Results can also be used to create dynamic encoding profiles – for example, cropping exactly the right amount of black detected during letterbox analysis.

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Audio Analysis and Correction

Vantage Analysis can automatically measure audio and dialog loudness, using ITU 1770-3 audio analysis and Dolby Dialog Intelligence. Gated loudness, dialog loudness, the amount of measured dialog, and peak levels are all measured and can be reported, used for decision-making, or provided to subsequent steps in the workflow.

When combined with a Vantage Transcode product, loudness analysis results can also be used to correct audio. Vantage Transcode will use the Analysis results intelligently, automatically choosing whether to use dialog or the audio loudness as the correction criteria, based upon user-specified thresholds. Vantage Analysis can analyze multiple audio tracks or languages independently, and correction can occur across all tracks or languages during a single transcode. Only Vantage Analysis and Vantage Transcode products provide a completely automated file-based solution for multi-language, dialog-aware audio analysis and correction.

Publish Analysis Results

Using Vantage data modeling, results can be published to web services, as metadata in media files, or exported as XML. Results can also be accessed through the Vantage SDK.

Pass and Fail Files

Vantage can automatically test files to determine whether they “pass” or “fail”. Specify which parameters you wish to measure, and configure acceptable ranges for those measurements. Vantage Analysis will then determine whether each file falls within acceptable range, and can trigger different workflows automatically based upon the results. A PDF report indicating the results can also be published and emailed for review.

Scalable, enterprise-class server software

Vantage Analysis runs on your favorite Windows 2008 or 2012 server. Optimized for server architectures, Vantage Analysis ensures high throughput of video files. Adding Vantage Array™ allows for full scalability, load-balancing and redundancy, giving you 24/7 reliability and auto-failover. Processing can take place on one or multiple load-balanced servers providing high-volume processing to meet your exact media workflow needs.

Best in class customer support

You can rest assured that our highly-skilled technical team will be available to provide the quick and comprehensive support and guidance you need to fully leverage the power of your Telestream product.

Feature	Analysis	Analysis Pro
Compare Files	■	■
Indentify Properties	■	■
Measure Video/Audio	■	■
Loudness Measurement	■	■
Smart Decision-Making	■	■
QC Compliance Checks		■
PDF Media Reports		■
Mediainfo Integration		■
Dolby E Detection		■

Technical Specifications

Analysis

Identify Media Properties: Media container type, media duration, file bitrate, has video, has audio, video codec, video frame size, video bitrate, video frame rate, video interlacing and field order, audio codec, audio bitrate, audio sample rate, audio channels, audio bits per sample, aspect ratio from header[1].

MediaInfo: All MediaInfo measurements are available directly within Vantage for decision-making purposes[2].

Analyze Video/Audio Signal: Letterbox/curtain detection, black detection, spot slate/bars detection, Dolby Dialog Intelligence, ITU 1770-2 and EBU R128 Loudness Measurement, telecine detection, macroblock detection, video interlacing and field order detection, MPEG-2 levels/gamut compliance, detect existence of captions and publish to WebVTT, SMPTE-2052 or SCC file.

Compare: Peak signal-to-noise ratio analysis against reference file

[1] *Not all file formats supported; see the Vantage format sheet for details (available on our website).*
[2] *Analysis Pro required.*

Formats and Wrappers

Supported Formats: 3GPP, 3GP2, AAC, AIFF, AVI, Avid OMF, Avid Mediastream, Avid DNxHD®, DV, DVCPRO, DV50, DVCPRO HD, FLV, GXF, Harris LXF, H.264, Matrox, MPEG-1 System Stream, MPEG-2, MP3, M2V, M2A, Program Stream, ProRes, Quantel, Seachange, Transport Stream, VC-1, VP6, WAV, Windows Media, and most other formats supported by the Vantage Transcode engine.

Please see the extensive list of decode formats on the Vantage format sheet (available on our website).

System Requirements

Vantage:

Operating System: Windows Server 2012 R1 and R2, or Server 2016
Minimum Server: Dual, Six Core Processors - or better (a total of 12 cores or more is recommended), with 16 GB DDR Memory
Recommended Server: Telestream Lightspeed Server with GPU acceleration; High-Speed NAS or SAN storage recommended;
GigE Ethernet adapter

SQL Database Dedicated Server:

Operating System: Windows Server 2012 R1 and R2, or Server 2016
Minimum Server: Four Core Processor - or better with 16 GB DDR required memory. 32 GB DDR is recommended for Domains with high job volume.
Database: SQL 2012, SQL 2014 Standard or Enterprise, SQL 2016 Standard or Enterprise, SQL Express 2016
Client OSs: WIndows 10, Windows 7, 8, Server 2012 R1 and R2, or Server 2016

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