

Add Intelligence to your 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 smart transcoding and self-healing quality control workflows.

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 Smart 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 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.

Create Self-Healing Quality Control Workflows

Vantage Analysis results can be used for more than just report generation. Not only can Vantage detect a variety of errors in media files, but in many cases, can also automatically perform additional investigation and correction. Some examples:

Commercial Conformance: Vantage can automatically ensure that incoming commercials meet your standards. File format and the location of Bars/Tone, Slate and Commercials can be detected on the timeline, confirming incoming media is what you need.

When combined with the Vantage Transcode product family, a workflow can automatically correct file format issues, measure and correct audio loudness, normalize the length of a commercial (adding black or removing frames to hit the desired duration) and can normalize the commercial duration and location of the bars and slate.

Mobile Delivery: In cases where file size is important, a Vantage Transcode workflow can be built that automatically estimates an encoding bitrate or tries several encoding parameters to achieve a target file size. Vantage Analysis can further ensure that the output file meets specified quality metrics compared to the source.

Macroblocking or Video Quality Errors: After a transcode is complete, Vantage can automatically determine whether macroblocking exists, and whether the output file is sufficiently similar to the input file to proceed. Further, if macroblocking exists, Vantage can automatically analyze the original to determine whether the error was present in the source – and use this information to route files or messages according to your workflow design. Finally, Vantage can respond to apparent errors by re-encoding the file – automatically trying multiple settings if necessary, to determine if an alternative profile would create acceptable quality.

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.

Operator Review & Approval

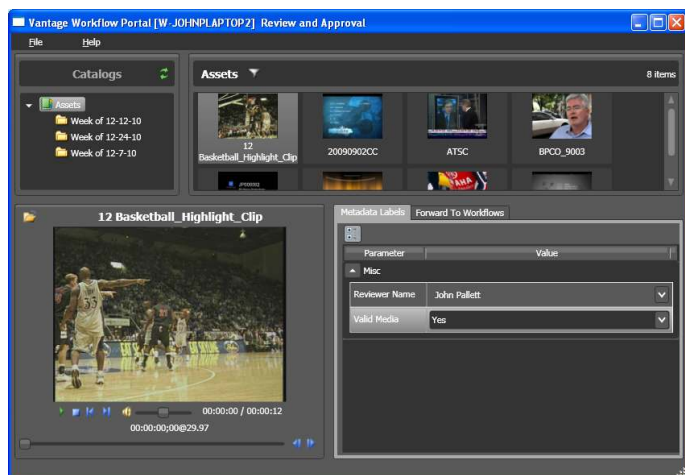
Using Vantage Workflow Portal, files that require review can be quarantined and presented to an operator for review and approval. Proxy versions of the file can be generated for review, and operators can jump to timecodes of interest on the proxy timeline (for example, the time of the worst macroblocking).

Scalable, enterprise-class server software

Vantage Analysis runs on your favorite Windows 2003 or 2008 server. Optimized for server architectures, Vantage Analysis ensures high throughput of video files. Adding Vantage Array™ or one of the Telestream Enterprise system management products 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.



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*

Analyze Video/Audio Signal: Letterbox/curtain detection, black detection, spot slate/bars detection, ITU 1770 loudness measurement, telecine detection, macroblock detection, video interlacing and field order detection, MPEG-2 levels/gamut compliance

Coming Soon: EBU R-128 audio analysis, captions and VANC analysis

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

*Not all file formats supported; see the Vantage format sheet for details (available on our website).

Formats and Wrappers

Supported Formats: 3GPP, 3GP2, AAC, AIFF, AVI, Avid OMF, Avid Mediastream, 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.

System Requirements

Operating System: Windows Server 2003, 2008, XP Pro SP3
 Minimum Server: Dual, Quad-Core Processors, 4GB Memory
 High-Speed NAS or SAN storage recommended
 GigE Ethernet adapter
 Database: SQL 2008 Express, Standard or Enterprise
 Client OSs: XP SP3, Vista, Windows 7, Server 2003, 2008

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