

Transforming workflow forever.

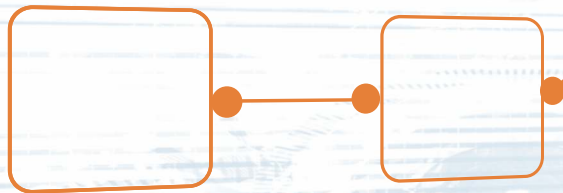
VANTAGE



Video Workflow Design that revolutionizes



- Easy-to-use video workflow design and automation
- Supports any file format, integrates directly with today's major video systems
- Automates hundreds of common video workflows, out of the box
- Scales to thousands of workflows in an enterprise server environment



FACT:

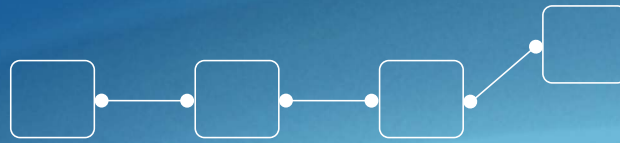
Video companies who can quickly **DESIGN** and **AUTOMATE** their video workflows can achieve their cost savings goals and focus on being competitive.

FACT:

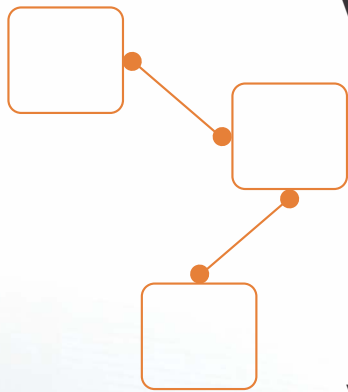
Vantage scales up to automate thousands of jobs using generic IT hardware and software services.

FACT:

Vantage combines deeply integrated components with flexible process design, allowing you to build adaptive workflows that were previously impossible to automate.



Improve your video operations without disrupting your video operations



Vantage is:

- Modular
- Affordable
- Easy to use
- Fully integrated with today's video systems

... allowing you to start today and organically grow your workflows on an as-needed basis

FACT:

Vantage is affordable and easy to use – just design your process, then activate it. Vantage can automate hundreds of the common workflows needed by almost every video operation.

FACT:

Vantage is available as a paid upgrade to FlipFactory, and it also makes an excellent FlipFactory companion product.

FACT:

With modular design and integrated support for all major video systems, and web service interfaces, Vantage can integrate into your operations today, out-of-the-box.



Improve your video operations today

Telestream Vantage™ combines media capture, transcoding, clip management, analysis, QC, and metadata processing into one unified workflow design and automation framework. Vantage integrates with all the major broadcast servers, edit systems, streaming servers, cable VOD servers, SANs and virtually any network digital device in your facility.

A revolution in video workflow automation

Vantage allows you to design your workflow *independent of the underlying file format or video systems*. Metadata flow, analysis data flow, media file flow, and process flow can be designed independently. This allows the design of fully automated, smart transcoding video workflows, with easy-to-use tools and out-of-the-box support for any video environment.

Hundreds of useful workflows, out of the box

Vantage provides support for hundreds of small and large workflows immediately upon installation. Whether moving media between professional systems, sorting and cataloging media, adding quality control and analysis to existing workflows, or simply automating file-based manual tasks, Vantage can help your video operations today.

Create adaptive, automated workflows

Through its unique workflow design capabilities, Vantage allows you to create adaptive workflows that can automatically make decisions and manage your content based upon incoming metadata and content properties. Further, Vantage allows the creation of *self-healing* workflows that can detect and recover from errors in video files. Archives can be examined for poorly-encoded files; the files can be re-encoded and double-checked. Black video can automatically be detected and cropped prior to air. By integrating analysis, transcoding, file movement and workflow design, Vantage allows automated intelligence to be built into your video workflows.

A paid upgrade to FlipFactory

Incorporating the world-class FlipFactory transcoding engine, Vantage is available as either a paid upgrade for FlipFactory customers, or as a companion product to existing FlipFactory installations. Today's FlipFactory customers can enhance their existing transcoding workflows, and take advantage of the flexibility of Vantage's workflow design capability to improve their existing workflow automation at an affordable price.

Scalable, rock-solid server software

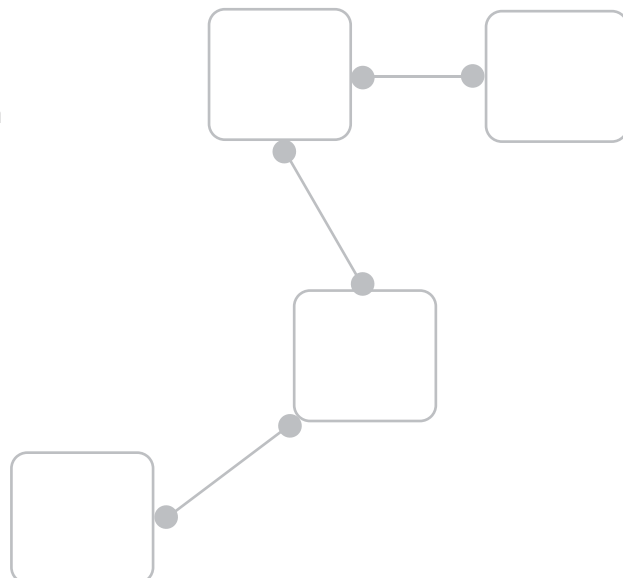
Vantage runs on your favorite Windows 2003, 2008 or XP Pro server. Since it's fully scalable, processing can take place on one or multiple load-balanced servers providing high-volume processing to meet your exact media workflow needs. For critical workflows, rock-solid 24/7 reliability, auto-failover, priority-driven processing and distributed control ensure that there is no single point of failure, and no barrier between you and your workflow needs.

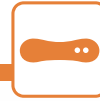
Best in class customer support

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.

Design your workflow...then activate!

ACTIVATE



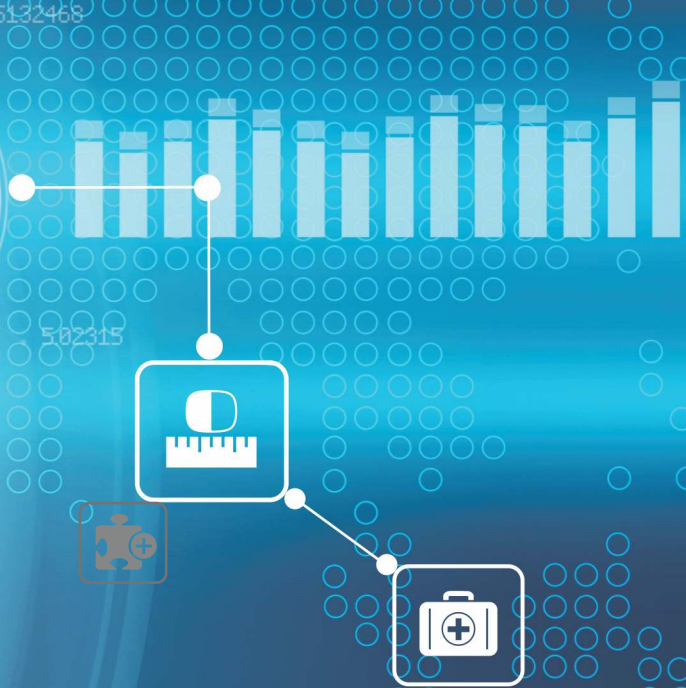
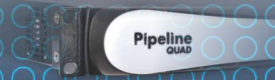


TRANSFER / COMMUNICATE

- ❑ Direct file system integration with major video servers and systems
- ❑ Web Service notifications and flexible data modeling allow workflow information to be fed to external systems, at any step in the workflow
- ❑ Notification via email, other protocols at any step in the workflow
- ❑ Allows seamless integration with external systems and technology without the need for custom engineering

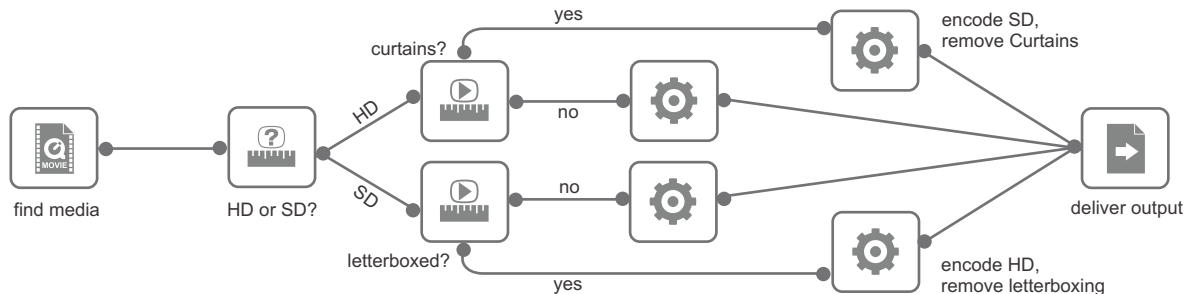
CAPTURE

- ❑ Combine with Telestream Pipeline to enable network-attached capture
- ❑ Automated workflows start immediately during capture
- ❑ Allows affordable SD and HD SDI capture

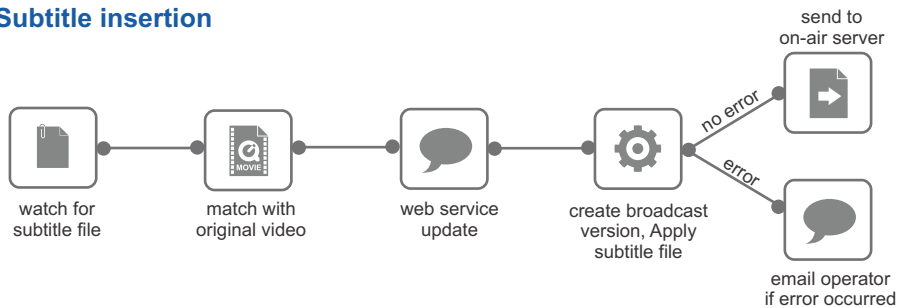


Thousands of custom workflow possibilities - *out of the box...*

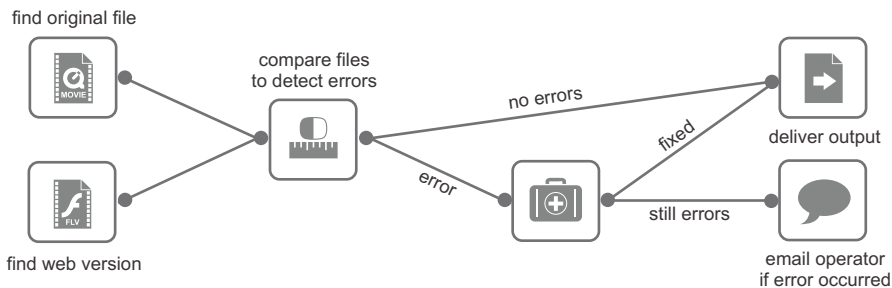
Sample Workflow: SD and HD detection



Sample Workflow: Subtitle insertion



Sample Workflow: Fixing the Web Archive



□ Powerful video workflow design allows independent process design, data flow design, media file flow design, and metadata flow design

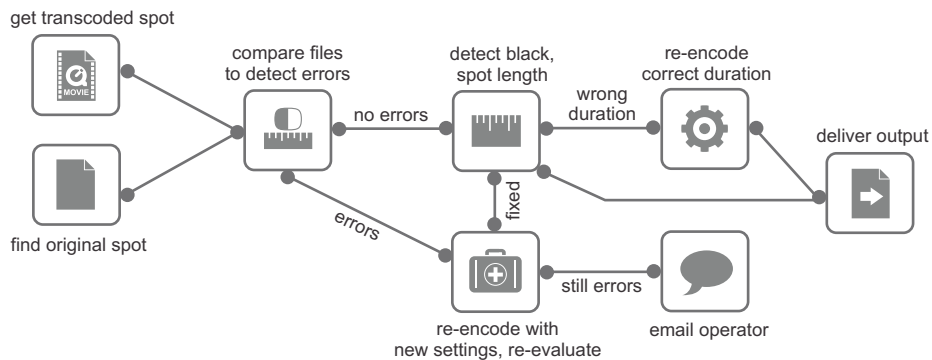
□ Offers unprecedented capabilities including the automation of workflows that were previously impossible

□ Allows the design of self-healing workflows

□ Easy-to-use, integrates with most major video systems out of the box without requiring software engineering or consulting

□ Full failover, load-balancing, and peer-to-peer redundancy with no single point of failure

Sample Workflow: Self-Healing spots



... and thousands more

Technical Specifications

Workflow Design

Flexible Design and Automation: Visual process design allows decision-making, the management of dozens of independent files during a single job, and routing of files.

Metadata Modeling: Metadata routing to and from media files, XML, and web services can be modeled independent of underlying media file formats. Full XSL support for metadata ingest and export.

Workflow Actions: Email, Notify Web Service, Workflow Forward/Receive, Metadata ingest and export, Metadata transformation, Convert Metadata to Process Data, Convert Process Data to Metadata, Attachment Hot Folders, Media Hot Folders, Associate Media, Associate Attachments, Copy/Move/Delete to supported filesystems, Deploy, Transcode and Analyze (requires separate license), "Open" file support, Decide.

Manage Complex Media File Types: Automatic management of complex media file types including P2 Camera, Omneon reference files, Avid reference files.

3rd-party Filesystem Integrations: Avid Interplay, FTP, FTPS, Grass Valley AMP, Leitch, SAN/NAS support, SeaChange, SFTP, Omneon, Windows Networking. See full list of supported systems and devices.

Analysis

Identify: Container type, file bitrate, video codec, video frame size, video bitrate, video frame rate, video interlacing, audio codec, audio bitrate, audio sample rate, audio channels, audio bits per sample

Analyze: Letterbox / Curtain detection, Black detection, Slate/Bars detection, ITU 1770 loudness measurement, Telecine detection, YouTube fingerprint generation.
Coming soon: Macroblock detection, Field order detection, Caption analysis

Quality Control: Peak signal-to-noise ratio analysis against reference file

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, Quantel, Seachange, Transport Stream, VC-1, VP6, WAV, Windows Media, and most other formats supported by the Transcode engine.

Transcode

Media Processing: Black insertion, Bumpers, Caption Conversion (full 608/708 support), EBIF PID preservation, HD VANC support, SCC caption file insertion, Trailers, Trimming

Video Processing: Blur, Color Space Conversion, Contrast, Crop, Curtains, Darken Region, Deinterlacing, Field Order Conversion, Frame/Field Rate Change, Gamma Correction, Hue, Image Overlay, Interlacing, Inverse Telecine, Keyframe Extraction, Letterboxing, Mask, Noise Reduction, QuickTime Movie Overlay, Standards Conversion, Saturation, Sharpen, Standards Conversion, Telecine, Timecode burn-in, Trimming, Up/Down Conversion, Video Fade In/Out

Audio Processing: Audio Fade In/Out, Channel Mixing, Loudness Adjustment, Phase Invert, Up/Down Sampling, Mix external audio files

Supported Formats: See Vantage format sheet for more details (also available on Telestream website).

Array

Enterprise-Grade Deployment: Load balancing, automatic failover protection, peer-to-peer redundancy (no master control). Allows multiple transcode and analysis servers to be combined into one array of servers. Management console offers administration of running services, prioritization rules, routing rules, licensing, clip management, and metadata templates.

Additional Options

GraphicsFactory: Adds timeline-based text, images, QuickTime movie, and audio overlays applied during transcode. Allows template-driven graphics using data feeds.

Screen Subtitling: Allows STL, PAC and other subtitle files to be applied either as open (visible) or closed (data stream) subtitles

DolbyE: Allows decode or pass-through of DolbyE audio during transcode

IPV SpectreView: Allows generation of files for the IPV Spectreview edit systems

Supported Devices

Non-Linear Editors	
Adobe Premiere	Avid Unity, ISIS, Interplay
Apple Final Cut Pro	Grass Valley News Edit, News Browse
Avid DS, Media Composer, Symphony, Xpress, Xpress DV, iNews, NewsCutter	Media 100 i & iFinish
Avid Liquid & Vortex	Matrox DigiSuite
Servers	
360 MAXX	Omneon Spectrum, MediaDeck, MediaGrid
Arris SkyVision, HQ	Quantel sQ Server
Avid MediaStream	SeaChange BMS/BMC/BML, VOD
EVS XT Server, Media Server	SeaChange MVL
Grass Valley Profile, PDR, K2, Summit, Solo	Sony eVTR, MAV70, MAV2000
Harris VR Series, Nexio, DVR Series	
Cameras	
Grass Valley Infinity	
Panasonic P2	
Sony XDCAM	
Sony XDCAM EX	

System Configuration Requirements

Operating System: Windows Server 2003, 2008, XP Pro SP3
Minimum Server: Dual, Quad Core Processor, 4 GB DDR Memory
Dual 100/1000 Ethernet
Database: Microsoft SQL Server Express 2005
Client OSs: Server 2003, 2008, XP Pro SP3, Vista, Windows 7

Pricing

Vantage Transcode: \$5,500 per license
Vantage Transcode Connect: \$9,000 per license
Vantage Transcode Pro: \$10,500 per license
Vantage Transcode Pro Connect: \$17,000 per license
Vantage Analysis: \$7,500 per license
Vantage Array: \$2,000 per license

All models include workflow design and automation software.

All models include Local Folder, FTP, SFTP, Windows Network folder watching and delivery.

Transcode Connect includes broadcast server monitoring, XML transformation, and web service notification.

Transcode Pro Connect includes Avid Interplay receive and delivery, broadcast server monitoring and delivery, XML transformation, and web service notifications.

See Vantage format support sheet for more details on Transcode and Transcode Pro (also available on Telestream website)