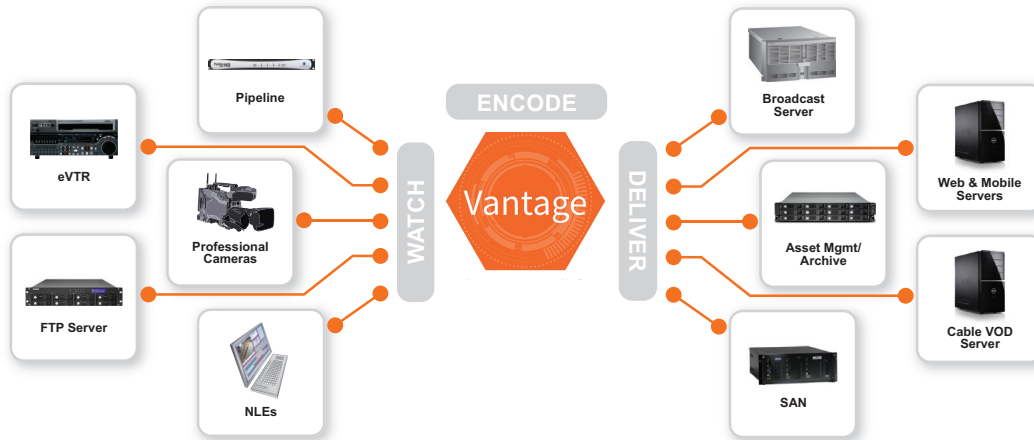# Enterprise-class video file format conversion

for edit, web, mobile and MPEG-2

Telestream Vantage® Transcode products simplify media distribution and editing in today's multi-format, multi-vendor video environments. Video and audio are automatically converted to all major edit, web, mobile and MPEG-2 file formats.

Vantage Cloud Port Capable

The Power of Vantage. The Simplicity of SaaS. As your workflows evolve and move into the Cloud, this software is ready to make the journey with you and follow your content wherever it goes! Learn More

Save time, effort and money
Vantage Transcode eliminates tedious manual transcoding, cumbersome handling of tape, or just to get your media into the right file format –saving you time, effort and money. Vantage Transcode automates the conversion of ingested media into edit formats, and the preparation of content for web, mobile, and MPEG-2 distribution.

Consistent, hands-free processing
Vantage Transcode is your professional media processing system. Set up automated workflows once for consistent, high-quality results every time. Simply set rules for where to look for your source files, what to do with them and where to deliver them. Vantage Transcode automatically monitors FTP, network or local folders for the arrival of new content, enhances media with video processing filters for high-quality output, transcodes, and then delivers your media –and sends email notifications.

Products for any media workflow
Vantage Transcode converts from virtually any source format to a full range of web, mobile, edit, and MPEG-2 formats. Exclusive Telestream technology up converts SD interlaced content to superior quality 1080i and 720p HD output; high quality deinterlacing also allows the creation of exceptional web and mobile content. With ongoing support for evolving formats, you can rest assured that you'll have a content repurposing solution that you won't outgrow.

Best in-class Transcoding

Vantage Transcode Connect adds the ability to automate XML sidecar metadata transformation, read files from broadcast servers, the creation of TAR packages, and REST/SOAP web services notification.

Options to enhance your workflow

Vantage also offers options and an upgrade path to enhance your workflow. Upgrade to Transcode Pro to add full encoding support for broadcast servers, and MXF formats. Add Lightspeed Live Capture to ingest media from tape or live sources. Add Vantage Analysis to create "smart" transcoding workflows, which analyze media properties and then automatically choose and customize transcoding profiles to best suit the media. Brand and localize your video assets with Post Producer™, which tailors your media per region or source file. Add integration with third party software tools to access Subtitling and QC functions within a Vantage workflow.

Lightspeed GPU Acceleration

Add Telestream's Lightspeed® Server to improve Vantage performance and throughput. Leveraging Telestream's exclusive Lightspeed technology, Lightspeed Server is a 1RU device that uses multiple GPUs and CPU cores to accelerate video processing and H.264 transcoding. Enhanced deinterlacing, resizing, and accelerated H.264 encoding will significantly improve your image quality and reduce transcoding time.

Scalable, rock-solid server software

Vantage Transcode runs on your favorite Windows 2012 server. Optimized for server architectures, Vantage Transcode ensures high performance. Automatic pause-and-resume capability ensures that high-priority media is processed as quickly as possible. 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 workflow needs.

Best in class customer support

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

What's Included in Vantage Transcode Products

Vantage Transcode includes full HD support for web, edit, mobile and MPEG-2 formats.

Vantage Transcode Connect adds XML metadata file transformation, broadcast server reading, web service notification, and TAR creation.

PROFESSIONAL SYSTEM FORMAT SUPPORT	Transcode	Transcode Pro
Non-Linear Editors		
Adobe Premiere	■	■
Apple Final Cut Pro	■	■
Avid MOV (Media Composer, iNews, and NewsCutter)	■	■
Avid AAF (ISIS and Interplay)		encode
DPX sequences	decode	decode
Grass Valley News Edit, News Browse	■	■
Servers		
360 Systems MAXX HD, Image Server	decode	■
EVS XT Server, Media Server	decode	■
Grass Valley Profile, PDR, K2, Summit, Solo	decode	■
Harris VR Series, Nexio, DVR Series	decode	■
Omneon Spectrum, MediaDeck, MediaGrid	decode	■
SeaChange BMS/BMC/BML	decode	■
SeaChange VOD, MVL	■	■
Other		
Email	■	■
FTP Folder	■	■
Local Folder	■	■
Local Storage	■	■
Network Folder	■	■
SAN	■	■
SFTP and FTPS	■	■

telestream

Encoding Support for Online Content Distribution

- NetFlix
- iTunes
- Hulu
- YouTube

and more...

Formats and Wrappers

See the extensive list on the Vantage format sheet (also available on our website).

Video, Audio and Graphics Processing

INCLUDED

Video: Full 16-bit 4:4:4:4 YCbCrA multi-core video processing. Filtering includes aspect ratio preservation, blur, color rescale, contrast, crop, deinterlacing, down conversion, field order conversion, gamma correction, image overlays, inverse telecine, keyframe extraction, mask/padding, movie overlays, noise reduction, saturation, sharpen, standards conversion, telecine, time code burn in, trimming, up conversion, fade in/out.

Audio: Channel mixing, fade up/down, normalization, phase invert, up/down sampling, mix external audio files

Graphics: Text, QuickTime or image overlay, bumpers, trailers

System Configuration Requirements

Vantage:
Operating System: Windows Server 2016 (Standard or Data Center Edition)
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 2016 (Standard or Data Center Edition)
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 2014 Standard or Enterprise, SQL 2016 Standard or Enterprise, SQL Express 2016
Client OSs: WIndows 10 or Server 2016 (Standard or Data Center Edition)

[1]*SQL enterprise installation may require Professional Services, contact Telestream for details.*

Additional Features

INCLUDED

- HD VANC support
- Keyframe extraction
- Media expansion
- Bumpers and trailers
- Timecode burn in

OPTIONAL

- Aspera delivery
- Signiant delivery
- Dolby E decode/passthrough
- Civolution NexGuard watermarking
- Nielsen watermarking
- IPV SpectreView
- Dolby VM 600 integration
- Screen MediaMate integration
- Vidchecker integration
- Cinnafilm Tachyon video processing
- Digimetrics Aurora QC integration
- Interra Baton QC integration
- Camera Ingest

Post Producer

- Automated video editing
  (Video effects, clip stitching, compositing, titles, audio mixing, Content Advisory, dynamic and static ad insertion)

Analysis

- AFD
- Aspect ratio
- Black detection
- Blockiness
- Caption detection
- Curtain/letterbox detection
- Dolby® Dialog Intelligence™
- Interlacing configuration
- ITU 1770-3 and EBU R128 loudness measurement
- W3C TTML, WebVTT, SMPTE 2052 and SCC file creation
- MediaInfo
- Slate/spot detection
- Telecine detection
- PSNR comparison
- Media file identification

Connect

- Broadcast server monitoring
- Web Service notifications
- XML reading, writing, transformation