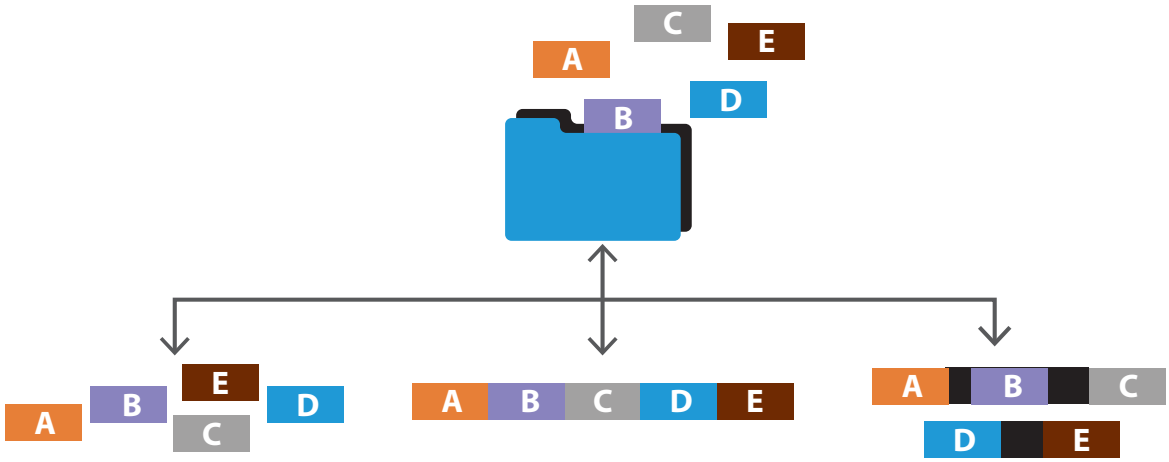

Individual Shot Mode Stitch Shot Mode Time Align Mode

Solution Brief: Vantage Camera Ingest

Telestream Vantage automates camera ingest workflows for post production service providers, news, and productions using Avid Interplay

Automate Camera Ingest

Camera Ingest Shouldn't Be Difficult

Camera media ingest can be a laborious and time-consuming process. Manually browsing and linking clips, importing, and transcoding all take away from editing time. Further, for many projects camera shots need to be time-aligned or stitched, requiring even more work just to find and prepare the material before actual editing starts. Shots may be lost or placed in the wrong order, and this combination of manual import and alignment can waste hours of editing every day.

Batch Ingest of Camera Footage

Vantage allows hands-free batch ingest, processing and stitching of camera media with the Camera Ingest option. This option allows you to create camera-specific hot folders, which can watch either card readers or folders on hard drives. These hot folders understand complex camera file formats, and allow you to set up your rules for shot detection, stitching and ingest. Powerful software running on servers then automates ingest, transcoding and import of shots into your editing system. Vantage frees editors to focus upon editing, instead of manually finding, importing and stitching clips.

Card Reader and Hard Drive Support

Vantage supports ingest from card readers, or from hot folders on hard drives. Operators can either insert cards, or copy files from cards into a hot folder. Vantage will detect shots, and automatically link spanned clips to ensure that each shot is correctly ingested. When a shot is completely available, it is automatically transcoded and prepared for editing. For Interplay environments, multi-resolution clips can be created automatically in Interplay while allowing edit-while-ingest (Avid Frame Chase) editing.

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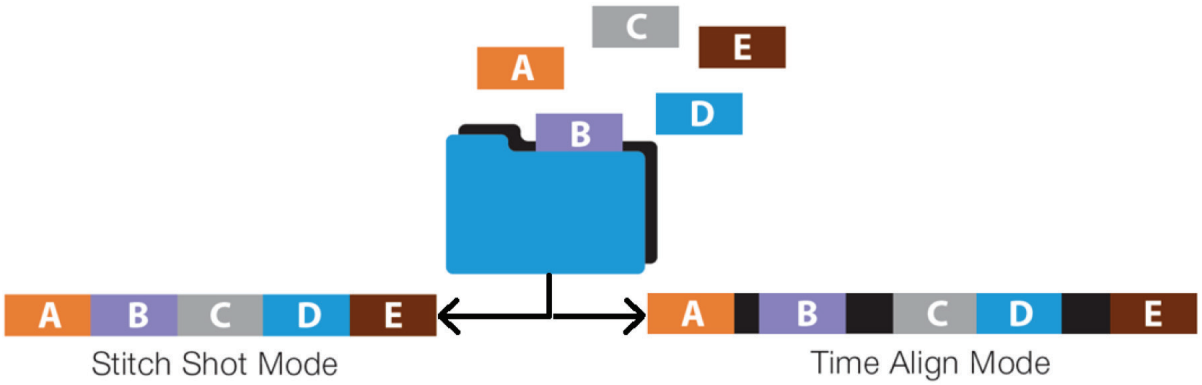

Automatic Stitching Saves Editing Time
Vantage also allows automatic stitching of camera shots, saving editing time and money. During transcode, shots can be stitched in chronological order to provide a concise single daily string-out for each camera. Alternatively, Vantage can perform automatic time alignment, inserting black between shots to recreate time-of-day across the entire day's footage on each camera." This allows multi-camera shoots and master audio to easily be synchronized during editing, without requiring editors to spend hours of manual labor aligning and stitching clips

Fast Processing with High Quality
Add the Telestream Lightspeed Server, and camera ingest can be performed by a 1RU unit which includes full GPU acceleration. Running on Lightspeed, Vantage offers faster than real-time processing for most formats, high quality 16-bit video processing, and scalability to multiple servers for high-volume workflows.

Comprehensive Workflow Design
Vantage also supports a broad range of broadcast, VOD, IPTV, web and multiscreen transcoding formats. With powerful workflow design, Vantage can automate media-based decision making, ensuring that media is automatically processed according to its properties. Web-based monitoring and centralized administration makes it easy to view jobs and servers as work is performed. Finally, offering integrations with all major QC, editing, file delivery, audio and watermarking systems, Vantage can unify your multi-vendor workflow providing a single view of media processing.

How to order

The Vantage Camera Ingest option can be purchased today. This option requires Vantage Transcode or Transcode Pro. Each enabled node can perform camera hot folder ingest, including shot stitching modes, and can transcode camera source files into other formats.

- Requirement: Vantage Transcode or Transcode Pro
- Vantage option Model: Vantage Camera Ingest

Note: The Flip action supports a variety of camera formats for "single shot" mode only. These formats are listed below and will continue to be supported without requiring the camera ingest option.

Format Support

Note: Some camera formats are already available today within the Flip transcoder for "Single Shot" mode. However, support for spanned clips may require the new Camera Ingest option as indicated below. New camera formats not already supported in the transcoder will require the new Camera Ingest option.

Formats marked "TBD" indicates that support will be add for stitching modes in a future release.

Formats marked "N/A" indicate that the Camera Ingest option will be required to correctly watch hot folders and ingest camera footage.

Camera	Camera Ingest Option (includes stitching modes)	Flip Action (Single Shot Only)	Notes
Panasonic P2 (AVC-Intra)	√	√	Supports spanned clips
Panasonic P2 (AVC-Ultra)	√	√	Supports spanned clips
Sony XAVC, XDCAM HD/EX	√	√	Spanned clips require Ingest Option
Canon 5/C/XF series (MOV)	√	√	Transcoder supports self-contained files
Canon 5/C/XF series (MXF)	√	N/A	
RED R3D files	TBD	√	Supports spanned clips
GoPro 3	√	√	MP4 up to HD
GoPro 4	√	√	UltraHD inputs
Arri Alexa (ProRes)	*Coming Soon*	√	Transcoder supports ProRes files only
Arri Alexa (RAW)	*Coming Soon*	N/A	
Blackmagic	*Coming Soon*	N/A	
AJA Cion	*Coming Soon*	N/A	
Cineform RAW	*Coming Soon*	N/A	

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