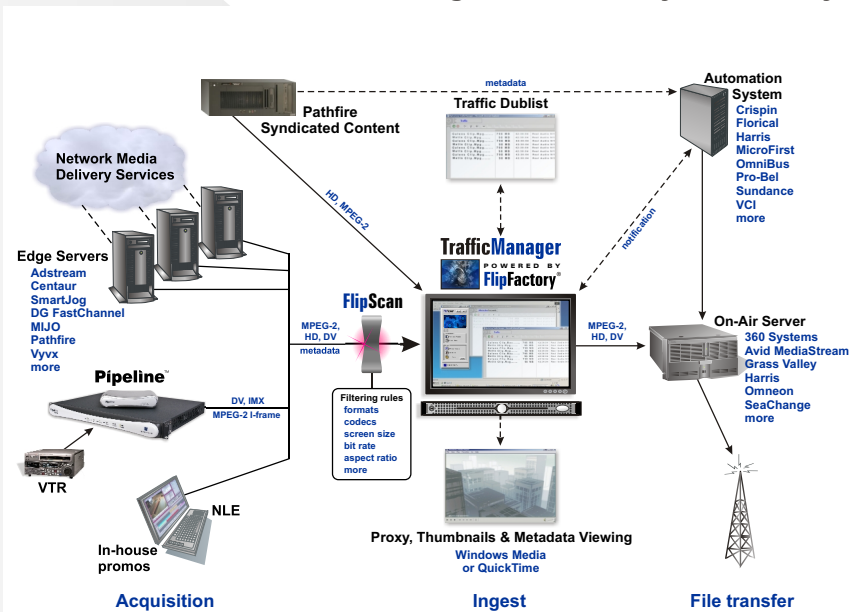


FlipFactory[®] TrafficManager

Automate the way you move and manage digital media at your facility

- **Automate ingest-to-plaintext**
Simplify receipt and redistribution of commercials, syndicated content and other digital media
- **Single Collection Point**
Receive and track media from digital delivery services or local sources
- **Tapeless**
Replace tape and manual workflows with faster, more efficient, automated file transfer
- **Best in Class Factory Automation**
Hands-free processing; simply set rules for where to look for source files, what to do with them, and where to deliver them
- **Flexible Tape Ingest**
Real-time ingest from tape and live feeds directly into FlipFactory
- **Extensive Format Support**
From HD to SD to proxies: the industry's broadest and deepest file format support
- **Enterprise-grade Scalability and Reliability**
Set up factories once for consistent, high-quality output results every time; scale across multiple servers; add 24/7 reliability for critical workflows



FlipFactory TrafficManager is changing the way television stations move and manage commercials and syndicated content received from digital media delivery services. This powerful workflow application automates the entire process of media receipt, notification, tracking, previewing, reformatting and delivery to destination devices. It also provides a single collection point for aggregation and review of incoming media.

TrafficManager picks up where digital delivery services leave off. Powerful transcoding automates direct file transfer to video servers and edit suites—at whatever bit rate and resolution, from HD to SD, is suitable for your operations. This eliminates dubbing to tape and the need to manually process content.

Commercials, promos, and even long-form content can be received from edge servers located at your facility. With Telestream's Pipeline™, content received on tape can be ingested with metadata directly into FlipFactory TrafficManager, eliminating the need to manually track and move tape content. Plus, locally-generated promos and ads can be imported from your station's edit suites.

The Workflow

This powerful automation system monitors edge servers and local folders for the arrival of new content. Your operator is notified as soon as media arrives. Incoming content is localized and

transcoded into a low-resolution proxy format for viewing and QA, and consolidated into a single traffic monitoring application. Operators can access metadata, proxies, key frames and audio analysis.

TrafficManager can automatically match up the incoming commercial's ISCI code with the traffic dub list and insert your House ID. Media are reformatted for delivery directly to your station's on-air server, or to archives for later retrieval. Notification is also sent to your station automation system, telling it that content is ready for playout.

FlipFactory TrafficManager is the smart choice for today's TV stations. It integrates with leading indexing and asset management systems and provides a scalable platform to meet your growing digital media ingest needs. For critical workflows, add **FactoryArray™** for rock-solid 24/7 reliability, auto-failover, configurable high-priority processing and distributed control to ensure no single point of failure. To process incoming HD content*, including VANC metadata, just add the HD option.

*Pathfire HD content requires the optional Pathfire HD module.



Technical Specifications – FlipFactory® TrafficManager

What's Included in FlipFactory TrafficManager

Professional configuration consisting of FlipFactory ProSD plus media traffic monitoring for commercial delivery services, automation systems. Also includes advanced processing features such as audio level analysis, key frame extraction and trimming adjustments.

Includes first year's Annual Maintenance and Support.

Formats and Wrappers

Included

Video	Video (cont'd)
3GPP	VC-1
AVI	Windows Media (incl. WM HD)
Avid OMF/MJPEG (decode)	Audio
Avid QT/MJPEG	AAC
DNxHD (decode)	AAC-LC
DPX/Cineon (decode)	AIFF
DV25/50, DVCPPro25/50	AMR
H.264/AVC	EZMovie
MPEG-1 System Stream	MP3
MPEG-2 DVD Elementary Stream	MPEG-1 Layer 2
MPEG-2 SD 4:2:0, 4:2:2 Transport Stream, Program Stream to 50Mbps	PCM
MPEG-4	Qdesign
Packet Video (encode)	Qdesign Music 2
QT Apple Video, Sorenson, DV, Avid MJPEG, Media 100 MJPEG, MJPEG A/B, MPEG-4, H.264, IPV FMA	Real Audio (encode)
Real (encode)	Uncompressed
	WAV
	WMA

Optional

Video	Video (cont'd)
Avid OMF & AAF/MXF for DV25, DV50, IMX via TransferManager	MPEG-2 HD 4:2:0, 4:2:2 Transport Stream, Program Stream
Avid OMF/MJPEG (encode)	720p 24,25,30,50,60 fps
DNxHD (encode)	1080i 50,60 fields/sec
DVCPPro HD	1080p 24,25,30 fps
Flash 8 (encode)	Audio
HDV	AC-3, 5.1 (included with VOD/IPTV servers)
IMX	
MXF	

Video, Audio and Graphics Processing

Included

Video	Video (cont'd)
Blur	Source Video Timing
Color Rescale	Telecine
Contrast	Temporal Interpolation
Crop	Trimming
Darken Region	Video Fade In/Out
Field Order Conversion	Audio
Frame Mode	Channel Mixing
Gamma Correction	Fade Up/Down
Hue	Level Analysis
Inverse Telecine	Normalization
Mask	Phase Invert
MotionResolve™	Up/Down Sampling
Standards Conversion	Graphics
Up/Down Conversion	Text, QuickTime or Image single overlay (no timeline)
Noise Reduction	System usage reports for spreadsheets
Overlay	
Saturation	
Sharpen	

Optional

Graphics	Graphics (cont'd)
Layer-based elements (timeline based)	Text Generation
Audio Overlay	Visual Template Creator
Drop Shadow	Stitching
Fade-in/Fade-out	EDL Creator
Image Overlay	XML Creator
QuickTime Overlay	

Additional Features

Included

Closed Captioning Synthesis from source or SCC file	Optional
Keyframe Extraction	IPV SpectreView
Media Expansion	Watermarking
Time Code burn in	Arbitron
	Philips
	SDK available for custom integration

System Requirements

Operating System: Windows Server 2003, XP Pro
Minimum Server: Dual, Quad Core Processor, 4 GB DDR Memory, SATA hard drives
Dual 100/1000 Ethernet

Servers	Browse	Monitor	Deliver	Notify
Choice of two servers included; additional servers optional				
360 Systems Image Server 2000	●	○	●	○
Accom Abekas 6000	●	○	●	○
C-COR SkyVision, HQ	○	○	●	○
EVS XT Server, Media Server	●	●	●	○
Grass Valley Profile, PDR, K2	●	●	●	○
Harris VR Series, Nexio, DVR Series	●	●	●	○
Omneon Spectrum, MediaDeck, MediaGrid	●	●	●	○
Avid MediaStream	●	●	●	○
Quantel sQ Server	●	○	●	○
Scott Studios SS Video XT & LE	●	●	●	○
SeaChange BMS/BMC/BML, VOD	○	○	●	○
SeaChange MVL	○	○	●	○
SGI Media Server	●	●	●	○
Sony eTR, MAV70, MAV2000 (decode only)	●	○	●	○
Cameras				
Optional				
Grass Valley Infinity	●	○	○	○
Panasonic P2	●	○	●	○
Sony XDCAM	●	○	●	○
Non Linear Editors				
Included				
Accom Stratosphere	●	●	○	○
Adobe Premiere	●	●	●	○
Apple Final Cut Pro	●	●	●	○
Autodesk Stone, Smoke, Inferno, Flame, Flint	●	●	○	○
Avid DS, Media Composer, Symphony, Xpress, Xpress DV, iNews, NewsCutter	●	●	●	○
Avid Unity, ISIS, Interplay	●	●	○	○
Matrox DigiSuite	○	○	●	○
Media 100 i & iFinish	●	○	●	○
Optional				
Autodesk Stone, Smoke, Inferno, Flame, Flint	●	●	●	○
Avid Unity/ISIS/Interplay via Transfer Manager	○	○	●	○
Grass Valley News Edit, News Browse	○	○	●	○
Avid Liquid & Vortex	●	●	○	○
Spot Delivery Catch Servers				
Included				
Adstream	●	●	○	○
Centaur	●	●	○	○
DG FastChannel	●	●	○	○
SmartJog	●	●	○	○
MIJO	●	●	○	○
On The Spot Media	●	○	○	○
Pathfire	●	○	○	○
Spottraffic	●	○	○	○
Vyvx	●	○	○	○
Syndication Catch Servers				
Optional				
Pathfire	●	○	○	○
Broadcast Automation				
Included				
Avid/Sundance	○	○	○	●
Crispin	○	○	○	●
Florical	○	○	○	●
Harris	○	○	○	●
MicroFirst	○	○	○	●
Nverzion	○	○	○	●
Omnibus	○	○	○	●
Pro-Bel	○	○	○	●
VCI	○	○	○	●
Other				
Included				
Akamai	●	●	●	○
ClipMail	●	●	○	○
ClipMail FTP	○	○	○	○
Email	○	○	○	○
FTP Folder	○	○	○	○
Job Forward	○	○	○	○
Local Folder	○	○	○	○
Local Storage	○	○	○	○
Network Folder	○	○	○	○
Network Folder (Samba)	○	○	○	○
Secure FTP	○	○	○	○
Slate/Spot Analysis	○	○	○	○
WebServer	○	○	○	○
Metadata/XML	○	○	○	○
Optional				
Video Charger	○	○	○	○
Video Logger	○	○	○	○

● Supported ○ Not Supported

Browse: Lets you browse the file system of a supported device

Deliver: Automatically delivers Factory jobs to destinations

Monitor: Monitors a server for the arrival of new content

Notify: Alerts a third-party system that the job is completed and delivered