



FlipFactory®

Digital Media Workflow Automation Solutions

- Full Workflow Integration**
 The industry's most integrated transcode solution, supports leading broadcast servers, NLEs, SANs, DAMs, delivery servers, web servers, automation systems
- Extensive Format Support**
 The industry's broadest and deepest file format support
- 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**
 Optional real-time ingest from tape and live feeds directly into FlipFactory
- Applications-based Solutions**
 Automatic ingest of commercials, news, syndicated content; graphics automation
- Repurpose Content for New Revenues**
 Automatically transform and tailor your content for evolving distribution channels: web, mobile, IPTV, cable VOD
- Metadata Driven**
 File-based media and metadata transcoding and delivery solutions
- 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



The Industry's Broadest and Deepest File Format Support

Flexible, scalable, layered solutions to cost effectively meet your exact media workflow automation needs

Applications	<i>Commercials</i>	<i>News</i>	<i>HD</i>	<i>DAM</i>	<i>Archive</i>	<i>IPTV</i>	<i>Graphics</i>
	<i>Broadcast</i>	<i>Cable</i>	<i>Web</i>	<i>Post</i>	<i>VOD</i>	<i>Mobile</i>	
Seamless Interchange	<i>Catch Servers</i>	<i>NLEs</i>	<i>Broadcast Servers</i>	<i>SANs</i>	<i>Web Servers</i>	<i>VTRs</i>	<i>Automation Systems</i>
Scalability & Reliability	<i>Job Prioritization</i>		<i>Server Redundancy</i>		<i>Database Mirroring</i>		
	<i>Load Balancing</i>				<i>Failover</i>		
Processing & Automation	<i>Browse</i>	<i>Metadata</i>	<i>Media</i>	<i>Format</i>	<i>Proxy</i>	<i>Wrapper</i>	<i>Deliver</i>
	<i>Monitor</i>	<i>Extraction</i>	<i>Enhancement</i>	<i>Transcoding</i>	<i>Generation</i>	<i>Interchange</i>	<i>Notify</i>

Models and options to meet any digital media workflow requirement

FlipFactory® New Media | New Media Broadcast



Automate media encoding for distribution to new media platforms: web, DVD, mobile, iPod and other portable devices. FlipFactory New Media automatically encodes video and audio to any number of formats and bit rates and delivers media and metadata to multiple distribution channels – all without any manual processing. New Media Broadcast adds broadcast server support.

FlipFactory® ProSD | ProHD



Automatically convert and transfer media and metadata files between professional digital systems: broadcast servers, editing systems, streaming servers, cable VOD servers, SANs, DAMs, archives and more. ProHD automatically integrates HD and MXF content into your workflow with no external converters or extra steps.

FlipFactory® TrafficManager



Automates the way TV stations manage and move commercials and syndicated content received from digital delivery services. From ingest to playout, TrafficManager automates the entire process of media receipt, notification, tracking, previewing reformatting and delivery to destination devices.

FlipFactory® NewsManager



Automatically ingest news content received at your station from digital delivery services or Telestream's IP delivery products. Incoming news content and associated metadata are automatically ingested, converted and delivered directly to your on-air server or newsroom production system. Create low-res proxies for your proxy news edit system and deliver important metadata to it. Also create streaming formats for delivery to your Web server.

FlipFactory® AdManager for Cable



Automates the way cable and cable advertising companies receive and redistribute commercials, VOD content and other digital media. The entire process is automated from ingest to playout: receipt, notification, tracking, previewing, reformatting and delivery to destination devices.

Options

FactoryArray™

Provides continuous, uninterrupted job processing for critical workflows. FactoryArray extends any FlipFactory product from a single server to an array of servers working together to process jobs in the most efficient and secure manner possible. Load balancing, failover protection and database mirroring combine to ensure that no single point of failure will ever bring your system down.

FlipScan™

Automatically scan and analyze uploaded source video, audio and metadata, including user-generated content. Validate and process it according to filtering rules you define, including: formats, codecs, screen size, bit rate, aspect ratio, and much more—to meet nearly any situation.

GraphicsFactory®

Automate graphics tasks in file-based workflows. GraphicsFactory enables quick and easy configuration and assembly of text, audio, drop shadows, image and QuickTime layers statically, or on a timeline, for one or many jobs.

Pipeline™

Shared, network-accessible SDI encoding device. Provides realtime, frame-accurate ingest from VTRs or live feeds directly into FlipFactory.

SDK

Offers a well-documented development kit that enables seamless FlipFactory integration with third-party solutions to automate any workflow application.



FlipFactory Products at a Glance

	New Media	New Media Broadcast	ProSD	ProHD	TrafficManager	NewsManager	AdManager for Cable
Encode/Decode web based formats up to HD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Encode mobile formats (H.264, AAC, AMR, 3GPP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Monitor Folders: FTP, local, network and more	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Deliver: FTP, local, network and more	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Notify: email, XML and more	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate proxies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Full automation of new media workflows	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MetaFlip metadata transformation engine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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Encode MPEG-2 SD, DV25/50 (NTSC, PAL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MotionResolve® standards conversion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Monitor/Browse/Decode: NLEs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Encode/Deliver: NLEs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Monitor/Browse/Decode: Broadcast servers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Encode/Deliver: Broadcast servers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Full automation of broadcast workflows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Full automation of cable workflows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Monitor/Browse/Decode: Cameras	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Encode/Deliver: Cameras	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Encode to HD and MXF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MotionResolve up conversion to HD broadcast & cable formats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<hr/>							
FactoryArray							
Load balance jobs between servers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
No single point of failure, failsafe operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic job recovery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Full automation of commercial/spot workflows					<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Monitor commercial catch servers					<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Match spots to traffic dublist					<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Deliver: VOD servers, ad insertion servers					<input type="checkbox"/>		<input checked="" type="checkbox"/>
Notify automation systems					<input checked="" type="checkbox"/>		<input type="checkbox"/>
Pathfire syndication			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<hr/>							
Full automation of news workflows						<input checked="" type="checkbox"/>	
Monitor news catch servers						<input checked="" type="checkbox"/>	
Deliver: news editing systems						<input checked="" type="checkbox"/>	
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GraphicsFactory							
Multiple overlays of text, audio, images, QT movies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fade in/out layer by layer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create once (template) apply to many	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Overlay open subtitles using Screen Subtitling option	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tape ingest from VTRs or SDI sources with Pipeline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FlipScan filtering of incoming media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Forensic Watermarking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

System Configuration 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

*You choose the hardware or
 we offer software pre-installed on a server*

Included Optional

FlipFactory® Technical Specifications

Formats and Wrappers

Video

- 3GPP
- AVI
- Avid OMF/MJPEG, QT/MJPEG
- DNxHD
- DPX/Cineon (decode only)
- DV25/50, DVCPro 25/50
- DVCPro HD
- Flash 8 (encode)
- H.264/AVC
- HDV
- IMX
- JPEG 2000 (decode only)
- MPEG-1 System Stream
- MPEG-2 DVD Elementary Stream
- MPEG-2 HD 4:2:0, 4:2:2
- Transport Stream, Program Stream
- 720p 24,25,30,50,60,fps
- 1080i 50,60 fields/sec
- 1080p 25,25,30 fps
- MPEG-2 SD 4:2:0,4:2:2 Transport Stream, Program Stream to 50 Mbps
- MPEG-4
- MXF
- Packet Video (encode only)
- QT Apple Video, Sorenson, DV, Avid MJPEG, Media 100 MJPEG, MJPEG A/B, MPEG-4, H.264, IPV FMA
- Real (encode)
- VC-1
- Windows Media

Audio

- AAC-LC
- AC-3, 5.1
- AIFF
- AMR
- EZMovie
- MP3
- MPEG-1 Layer 2
- PCM
- Qdesign
- Qdesign Music 2
- Qualcomm
- Real Audio (encode only)
- Uncompressed
- WAV
- WMA

Video, Audio and Graphics Processing

Video

- Blur
- Color Rescale
- Contrast
- Crop
- Darken Region
- Field Order Conversion
- Frame Mode
- Gamma Correction
- Hue
- Inverse Telecine
- Mask
- MotionResolve®
- Standards Conversion
- Up/Down Conversion
- Noise Reduction
- Overlay
- Saturation
- Sharpen
- Source Video Timing
- Telecine
- Temporal Interpolation
- Trimming
- Video Fade In/Out

Audio

- Channel Mixing
- Fade Up/Down
- Normalization
- Phase Invert
- Up/Down Sampling

Graphics

- Layer-based elements
- Audio Overlay
- Drop Shadow
- Fade-in/Fade-out
- Image Overlay
- QuickTime Overlay
- Text Generation
- Visual Template Creator

Stitching

- EDL Creator
- XML Support

Additional Features

- Closed Captioning Synthesis from source or SCC file
- IPV SpectreView
- Keyframe Extraction
- Media Expansion
- MetaFlip™ Stylesheets
- Time Code burn in
- Screen Subtitling
- System usage reports for spreadsheets
- VANC support
- Watermarking
- Arbitron
- Philips
- SDK available for custom integration

- Browse:** Lets you browse the file system of a supported device
- Monitor:** Monitors a server for the arrival of new content
- Deliver:** Automatically delivers Factory jobs to destinations
- Notify:** Alerts a third-party system that the job is completed and delivered

NOT ALL FORMATS ARE AVAILABLE FOR ALL PRODUCTS. REFER TO INDIVIDUAL PRODUCT DATA SHEETS.

Servers	Browse	Monitor	Deliver	Notify
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	○	○	●	●
Sony eVTR, MAV70, MAV2000 (decode only)	●	○	●	○

Cameras	Browse	Monitor	Deliver	Notify
Grass Valley Infinity	●	○	○	○
Panasonic P2	●	○	○	○
Sony XDCAM	●	○	●	○

Non Linear Editors	Browse	Monitor	Deliver	Notify
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 via Transfer Manager	●	●	●	●
Grass Valley News Edit, News Browse	○	○	●	○
Matrox DigiSuite	○	○	●	○
Media 100 i & iFinish	●	○	●	○
Avid Liquid & Vortex	●	●	●	○

Spot Delivery Catch Servers	Browse	Monitor	Deliver	Notify
Adstream	●	●	○	○
Centaur	●	●	○	○
DG FastChannel	●	●	○	○
SmartJog	●	●	○	○
MIJO	●	●	○	○
On The Spot Media	●	●	○	○
Pathfire	●	○	○	○
Spottraffic	●	●	○	○
Vyvx	●	●	○	○

News Delivery Catch Servers	Browse	Monitor	Deliver	Notify
Bit Central	○	●	○	○
CBS Newspath	○	○	○	○
EBU Superpop	●	○	○	○
iPump	○	○	○	○
Pathfire	○	●	○	○
Reuters	○	●	○	○

Syndication Catch Servers	Browse	Monitor	Deliver	Notify
Pathfire	●	○	○	○

Broadcast Automation	Browse	Monitor	Deliver	Notify
Crispin	○	○	○	●
Florical	○	○	○	●
Harris	○	○	○	●
MicroFirst	○	○	○	●
Nverzion	○	○	○	●
Omnibus	○	○	○	●
Pro-Bel	○	○	○	●
Avid/Sundance	○	○	○	●
VCI	○	○	○	●

Other	Browse	Monitor	Deliver	Notify
Akamai	●	●	●	○
ClipMail	●	●	●	○
ClipMail FTP	○	●	○	○
Dublist/ISCI	○	○	○	○
Email	○	●	○	○
FTP Folder	○	●	○	○
Job Forward	○	○	●	○
Local Folder	●	●	○	○
Local Storage	●	○	●	○
Network Folder	●	●	○	○
Network Folder (Samba)	●	●	○	○
Secure FTP	○	○	○	○
Slate/Spot Analysis	○	○	○	○
Video Charger	○	○	○	○
Video Logger	○	○	○	○
WebServer	○	○	○	○
Metadata/XML	○	○	○	○

● Supported ○ Not Supported