



## FlipFactory Product Comparison: Transcoding Workflows

	New Media	New Media Broadcast	ProSD	ProHD				
<b>Input Formats</b>								
3GPP; AVI incl Matrox; H.264/AVC; MPEG-4	Included for all FlipFactory products							
MPEG-1 4:2:0 System stream								
MPEG-2 4:2:0, 4:2:2 transport & program streams <=50 Mbps								
DV25 (.dv) & DVC Pro25, 525 & 625, DV50/DVCPRO50								
Avid OMF MJPEG, QT/MJPEG, DNxHD								
QuickTime – (Apple Video, Sorenson Video, DV, Avid MJPEG, Media 100 MJPEG, MJPEG A/B, IPV FMA, Raw PCM, Qdesign Music 2, and others) ver 4, 5, 6.5 or 7.0.4								
Windows Media ver 6.1, 7, 8, or 9; VC-1								
Audio – WAV, MP3 elem stream, AC-3, AAC, AIFF, AMR, EZ Movie, MPEG-1 Layer2, PCM, Qdesign/Music2, Qualcomm, WMA								
HDV, MPEG-2 HD 4:2:0, 4:2:2 TS & PS, 720p 24/25/30/50/60 fps, 1080i 50/60 fields/sec, 1080p 24/25/30 fps								
DPX/Cineon								
<b>Output Formats</b>								
AVI	Included for all FlipFactory products							
3GPP; AAC-LC; AMR; H.264; H.263; MPEG-4								
Windows Media - ver 6.1, 7, 8, or 9 (incl WM9 HD), 2-pass; VC-1								
RealVideo - ver 6, 7, 8, 9, or 10 (Helix)								
QuickTime – (Avid MJPEG, Media 100 MJPEG, Cinewave, Sorenson Video, DV 525 & 625, IPV FMA MPEG-4, H.264, iPod, Raw PCM, Qdesign Music 2, and others)								
Audio – WAV, MP3 elem stream, AIFF, EZ Movie, MPEG-1 Layer2, PCM, Qdesign/Music2, Qualcomm, WMA, Real								
DV25 (.dv) & DVC Pro25, 525 & 625, DV50/DVCPRO50								
MPEG-1 4:2:0 System stream								
MPEG-2 4:2:0 <=15 Mbps and 4:2:2 <=50 Mbps, Transport and Program Stream								
MPEG-2 DVD compatible elementary streams								
MPEG-4 - PacketVideo, QuickTime, ISMA								
H.264 TS, PS, M4V, MEF import, Sony PSP, iPod								
Avid OMF/MJPEG; OMF & AAF/MXF for DV25,DV50, IMX; AAF/MXF for DNxHD via Transfer Manager					Optional for all FlipFactory products			
Flash 8 VP6 (.swf & .flv); IPV MPEG-1 or WM9					Optional for all FlipFactory products			
HDV, MPEG-2 HD 4:2:0, 4:2:2 TS & PS, 720p 24/25/30/50/60 fps, 1080i 50/60 fields/sec, 1080p 24/25/30 fps, DVCPRO HD, DNxHD. SD-to-HD upconversion					Optional	Optional	Optional	Included
MXF/IMX enc/dec	Optional	Optional	Optional	Included				
AC-3/5.1 Audio;	Optional	Optional	Incl. with VOD/IPTV					
<b>Edit Systems supported (Decode Included)</b>								
Accom Stratosphere & Matrox	Decode only							
Adobe Premiere; Apple FinalCut Pro; Media 100 i, iFinish	Encoding Included							
Autodesk via Stone file system	Encoding Optional							
Avid Unity, NewsCutter, Xpress, Media Composer & DS	Encoding Included							
Avid OMF MJPEG	Encoding Optional							
Avid OMF & AAF/MXF for DV25,DV50, IMX via Transfer Manager for Unity/ISIS/Interplay	Enc Only Opt	Enc Only Opt	Enc Only Opt	Enc Only Opt				
Avid Liquid or Vortex	Optional	Optional	Included	Included				
<b>Broadcast/Cable servers &amp; cameras supported</b>								
Accom Abekas 6000; Avid MediaStream; EVS XT server; Grass Valley K2, Profile XP, PDR Series (incl. MJPEG opt.); Harris VR Series & Nexio, C-COR; Matrox*; Omneon Spectrum Media Deck; Quantel sQ server, SeaChange BMS, BMC, BML & VOD, MVL; Scott Studios; Sony eVTR, MAV-70; Thomson Nextore; 360 Systems. ** All VOD/IPTV servers incl. AC-3/5.1	N/A	All decoders included	All decoders included. Two encoders included	All decoders included. Two encoders included				

\* NOTE: Contact Telestream for details.

\*\* NOTE: Contact Telestream for specific server transcoder availability. Additional server hardware may be required for some broadcast servers



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	New Media	New Media Broadcast	ProSD	ProHD
<b>Automation Systems supported</b>				
Crispin, Floralca, Harris (Louth, Encoda Systems), MicroFirst, NVerzion, Omnibus, Pro-Bel, Sundance, VCI	N/A	N/A	Optional	Optional
<b>Content Delivery Services</b>				
Commercial Delivery Services: Centaur, DGFastChannel, MUJO, Pathfire, Spottraffic, Vyvx, SmartJog	N/A			
Pathfire Syndication, SD or SD/HD	N/A	N/A	Optional	Optional
Pathfire News	N/A			
BitCentral News	N/A			
Reuters WNE;	N/A			
iPump	N/A			
<b>Video processing</b>				
Blur, Color Rescale, Contrast, Crop, Darken Region, Field Order Conversion, Frame Mode, Gamma Correction, Hue, Inverse Telecine, Mask, Noise Reduction, Overlay, Saturation, Sharpen, Source Video Timing, Telecine, Temporal Interpolation, Trimming, Video Fade In/Out; MotionResolve™	Included for all FlipFactory products			
VBI Synthesis	Optional	Optional	Included	Included
<b>Audio processing</b>				
Audio level analysis, control, normalization;	Optional	Optional	Optional	Optional
Up to 8 input & output channels with re-mapping & mixing of tracks, normalization, phase invert, Fade In/Out	Included for all FlipFactory products			
<b>Media Delivery</b>				
FTP, HTTP, NFS, SMB, Windows Networking	Included for all FlipFactory products			
<b>Notification Plug-ins</b>				
XML, email, Secure FTP	Included for all FlipFactory products			
<b>Other Plug-ins</b>				
Closed Caption Synthesis	Optional	Optional	Included	Included
KeyFrame Extraction	Included for all FlipFactory products			
Time Code Burn in	Included for all FlipFactory products			
MetaFlip™ Metadata Monitor & Notify	Included for all FlipFactory products			
Conform Engine	Optional for all FlipFactory products			
MetaFlip™ Style Sheets	iPOD & Reporting included. Additional sheets optional			
<b>System configuration requirements</b>				
Operating System: Windows™ 2003, XP Pro	Required			
Minimum server - Dual, Quad Core Processor, 4 GB DDR Memory, SATA hard drives	Not included	Not included	Not included	Contact Telestream
Dual 100/1000 Ethernet	Recommended	Recommended	Recommended	GigE Recommended
<b>Additional Options</b>				
GraphicsFactory Option	Optional for all FlipFactory products			
FactoryArray Option				
FlipScan				
Screen Subtitle				
Philips, Arbitron Watermarking				
<b>Pipeline tape ingest &amp; playout</b>				
Pipeline hardware encoding device must be purchased				

**NOTE: see Telestream Website for current details.**

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June 2008