

Software Version 7.4 Release Notes

About FlipFactory Version 7.4

FlipFactory Release 7.4.967.111246 is a minor release of the FlipFactory product family, including: **New Media, New Media Broadcast, ProSD, ProHD, TrafficManager, AdManager, GraphicsFactory, and FactoryArray.**

This release includes the addition of several new workflow features, and a number of transcoding improvements.

Note: If your maintenance has expired and you upgrade your FlipFactory system, it will not function after the upgrade. Version 7.4 requires you to obtain a new license from Telestream if your maintenance expiration date is July 26, 2013 or earlier. Please contact license@telestream.net to verify that your maintenance is current and to obtain the new license.

Media Transcoding and Analysis

FlipFactory 7.4 supports a separate installer for transcoding and analysis components. **The FlipFactory 7.4 installer includes Transcoding & Analysis and does not require additional steps to install this component.** However, future versions of the Transcoding and Analysis components support installation into an existing FlipFactory 7.4 environment, without requiring a complete re-install of FlipFactory.

Documentation and Support

Full installation instructions and the FlipFactory User Guide can be found at: <http://www.telestream.net/telestream-support/flipfactory/support.htm>

Also please see Upgrade Installation Tips at the end of these release notes.

FlipFactory 7.4 supports the following component versions:

SQL Server Version: SQL Express 2005 SP3 is *included* in this release. If upgrading to SQL Standard Edition, SQL 2005 and SQL 2008 versions are supported. If you are planning a SQL upgrade, please contact Telestream Technical support for assistance.

Server Operating Systems: Windows Server 2008 R1 *and* R2, and Windows Server 2003, are supported (both 32 and 64-bit versions).

Java Version: Java version 1.6.0_21

QuickTime: QuickTime 7.6.9 is recommended.

IPV SpectreView: Requires Server 2003. Either 32- or 64-bit systems may be used.

Screen Subtitling: Screen Subtitling is now supported on Windows 2008 R1 *and* R2, and Windows 2003, both 32- and 64-bit.

Storage: FlipFactory is qualified with APACE, EMC Celerra, and Rorke Galaxy storage devices.

New Features in this Release

H.264 Encoding – Greatly improved speed and quality of H.264 encoding over FlipFactory 7.3.

SQL Server 2008 –now supported with Microsoft SQL Server 2008 Standard Edition.

Faster Encodes – Greatly improved AVC Intra and DVCPProHD encoding speeds.

Multi-channel loudness correction – allows correction of multiple tracks or channels independently during a transcode. This also enables support for the ITU 1770-3 / EBU R128 and Dolby Dialog measurement and correction workflow.

QuickTime Decoding – Support for advanced features when decoding QuickTime files, including XDCAM QuickTime reference exports from Avid, Graphics Tracks and Edit Lists.

New Monitors – New monitors have been implemented for Fotokem and AndTransfer.

P2 Encoder – New P2 encoding supports DV and AVC-Intra video encoding within MXF compatible with P2 cameras and decks.

Nielsen Audio Watermarking – This release offers the ability to insert Nielsen audio watermarking.

RF64 WAV File Generation – The WAV audio encoder now creates files larger than 4Gbyte in size by seamlessly switching to the RF64 file standard when the 4Gbyte size limit is exceeded.

Avid Support

FlipFactory 7.4 has been qualified for Avid workflows with Interplay Version 2.6; this includes:

- Sending content from Avid to FlipFactory environments via Send to Playback.
- Ingesting content from FlipFactory via Avid Transfer Manager.

Fixed in this Release

The following reported issues have been verified as fixed since the release of FlipFactory 7.3:

- **FF-4903: DG monitor at some customer sites re-pulls all the DG clips after a time change**
- FF-9552: Harris LXF WANStreamer destination now supports delivery of Harris MXF files
- FF-9549: Corrected issues picking up Spots that appear After the Dublist has been submitted
- FF-9548: Filename with 2 periods no longer cuts the Filename short on Omneon Monitor
- FF-9539: Created new FlipFactory Monitor for Fotokem content
- FF-9535: Created new FliFactory Monitor for AndTransfer content
- FF-9518: SFTP Delivery in FlipFactory now works with OpenSSH server
- FF-9477: Fixed SFTP connection error when using SSH/SFTP
- FF-9436: SAN monitor can now run on machine other than Localhost
- FF-9405: DVB bitmap and Teletext notification work correctly on 64 bit OS
- FF-9368: Captions are now preserved on a XDCAM HD422 to GXF SD for Profile XP playout
- FF-9326: Keyframe encoder operates correctly with VC-1 source in 2008 R2 OS
- FF-9268: WAV audio trimming now works with Mpeg2 TS sources
- FF-9234: Problematic MXF XDCAM HD 422 source files now Direct Convert
- FF-9147: Inactivity Timeouts with customer Photo JPEG files
- FF-9063: MPEG-1 encoder now creates correct pixel aspect ratio when selecting 4:3 PAR
- FF-9038: MPEG-1 encoder now generates correct GOP structure
- FF-9029: Improved Audio / Video packet alignment in VOD encoder
- FF-9017: Corrected A/V Sync issues with IPTV outputs
- FF-9001: Corrected LXF VANC creation problem
- FF-8967: Decoded of MP4 files now playout at correct speed
- FF-8957: MP4 to Flash 8 transcode now succeeds with specific problematic source files
- FF-8952: LXF 720p transcoded to MXF Nexio Mpeg HD 1080i now preserves captions
- FF-8919: H264 encodes succeed with Video Only sources
- FF-8871: Large DNxHD MOV files now import to Avid MC
- FF-8865: H264/mp4 CFG encodes now succeed when Streaming & Fast Start are enabled
- FF-8856: Omneon pre charge frames are no longer propagated to the output file
- FF-8847: Corrected issues decoding AVID DV100 source files
- FF-8844: Javelin monitor no longer keeping extension in subject line
- FF-8821: WMV VC1 2 pass transcodes now work when resolution is 1920x1080
- FF-8775: Occasional failures with Seachange encodes have been fixed
- FF-8772: Corrected RPC-timeout issue when doing multiple encodes from a single large source
- FF-8771: Minimum Video Bitrate for Main Profile In IPTV encoder can now be set to 384 Kbps
- FF-8762: Delivery with "K2 GV" Destination no longer truncates filenames to 32 characters
- FF-8747: ProRes SD files now have correct 720x486 resolution
- FF-8711: Corrected ITX playback issue
- FF-8693: Resolved RPC errors with MXF Encodes to Omneon MediaGrid store via FSD protocol
- FF-8545: QuickTime H.264 output now matches the specified video bit rate
- FF-8538: FTP monitor now works for filenames with # character in them
- FF-8474: ProRes file flipping to Omneon AVC Intra - output no longer shows A/V sync issue

- FF-8392: ProRes 1080i to VOD outputs will now preserve Closed Captions
- FF-8371: Closed captions are preserved from an XDCAM HD 1080i source to LXF output
- FF-8312: LXF DV25 files now transcode to QuickTime outputs
- FF-8298: MXF AVC-I now transcodes to WMV
- FF-8253: Inserting open subtitles (burn-in) into VOD now works
- FF-8111: Decoding of MXF Jpeg2000 now works
- FF-8007: Decoding Seachange MCL files now works
- FF-7951: ProRes SD encoded files are now tagged with SD color space
- FF-7923: Transcoding Omneon source with pre-charge frames, output now has correct frame count
- FF-7879: Fade in fade out filter no longer causes error
- FF-7824: Flipping to H.264 m4v baseline with streaming enabled now succeeds
- FF-7800: V-Chip Insertion into VANC now supported
- FF-7751: Samma Interlaced Jpeg2000 files now decode
- FF-6631: Now support reading/decoding VANC data from DVCPProHD .mov files
- FF-6547: Non-Drop Frame Timecode in Avid TM encodes is now supported
- FF-5896: Decoding when source path contains double-byte characters now works
- FF-5710: We can now create AVC Intra P2 products for Avid Airspeed ingest
- TXC-4002: Using the Media Trim Filter will produce outputs that are frame accurate
- TXC-3906: Allow MXF Encoder Codecs to select more than just 8 channels of audio
- TXC-3861: Fixed Text Overlay Default Character Spacing
- TXC-3859: H.264 and IPTV encodes no longer crash with high video bit rates
- TXC-3801: Can now decode DV direct converts from GXF encoder if Preserve VANC selected
- TXC-3766: FCP/Avid QuickTime AVCI 4:2:2 1080i50 direct converts succeed
- TXC-3750: MPEG-2 Program Stream output files have color levels that match the source
- TXC-3736: Send to Playback TIFO DVCPProHD progressive sources now decode
- TXC-3717: Alpha Channels are correctly remapped in the Color Remap Process filter
- TXC-3716: Video Fade In/Out filter now visible
- TXC-3681: Fixed H.264 white frame issue with Streaming enabled
- TXC-3632: MediaTrim on GXF sources causing A/V Sync issues has been corrected
- TXC-3622: MediaTrim timecode on DNxHD Direct Convert now correct on output
- TXC-3610: P2 MXF Stream DVCPProHD 720p encodes now succeed
- TXC-3598: KeyFrame Encoder works with Pipeline generated TIFO IMX30 sources
- TXC-3523: XDCAM HD MXF outputs can have Stereo Audio Tracks
- TXC-3465: Fixed A/V Sync issue transcoding MAV70 files to MXF D-10
- TXC-3461: Fixed Nielsen Watermark random crash
- TXC-3316: AVC HD MTS files successfully transcode
- TXC-3315: Fixed progressive sync issue going from Mpeg2 PS 23.98 to H.264/MP4 @ 23.98
- TXC-3295: Transcoding 1080i source to 720P 4:2:2 60frames/sec to Avid TM/TE XDCAM 422 succeeds
- TXC-3261: Start TimeCode correctly preserved going to GXF DV 50 with LXF source
- TXC-3255: Fixed Media Expansion filter color shift issue
- TXC-3238: Fixed long transcode time from 720p60 source to FCP when enable 608 captions checked
- TXC-3228: Added aspect ratio selection in P2 SD (DV)

- TXC-3227: Correctly reading timecode from Seachange BML outputs
- TXC-3198: All Final Cut/Avid QuickTime codecs now have "Insert 608 Captions" and "Insert 708 Captions" options
- TXC-3194: Fixed Transcode hang when decoding Dolby E from Pitchblue source
- TXC-3185: Start timecode preserved going to FCP 720p60 outputs from a P2 source
- TXC-3183: Start timecode preserved going to FCP 720p60 outputs from a P2 source Ikegami source
- TXC-3112: TIFO decoding off ISIS storage is no longer extremely slow
- TXC-3017: Popup captions corrected in MDML
- TXC-3014: Fixed 1 second of black added to the tail of the program
- TXC-3008: SCC files with italics no longer causing missing spaces on CC playback in MDML
- TXC-2989: Precharge frames and post roll frames are no longer propagated to output
- TXC-2982: Fixed repeat frame in MPEG1 system stream
- TXC-2953: Omneon files are now working with Windows Monitor
- TXC-2933: Added option to select Interlacing or Progressive in WMV codecs (VC-1)
- TXC-2928: H.264 product outputs no longer have white frame after transcoding MXF XDCAM HD 422 source file
- TXC-2921: Fixed playout issue after transcoding long form XDCAM 422 MXF to H.264/MP4
- TXC-2902: XDCAM source with Timecode that goes past Midnight now succeeds in MXF XDCAM Direct Convert
- TXC-2895: ProRes HD 23.98 transcoded to H264 1080p M4V, fixed sync issues
- TXC-2881: Fixed ancillary data preservation from older GXF files
- TXC-2872: Fixed MP4 decoding with "white flash" issue
- TXC-2843: Enabled decoding of ProRes 4444 2k resolution source file
- TXC-2835: Fixed 608 to 708 SCC up conversion causing issues in 708 with displaying French accented characters
- TXC-2805: Fixed black line at bottom of Mpeg output after field order conversion
- TXC-2799: Fixed GXF 720p to GXF DV50 SD sync issues
- TXC-2694: Added more capability for QT ProRes Language Tagging and Audio Assignment
- TXC-2619: MXF Sony XDCAM PAL transcodes no longer crash when SMPTE 436 track is checked
- TXC-2548: Transcoding of specific QT Prores source to Matrox HD no longer fails
- TXC-2306: Harris LXF direct converts of DVCPRO50 sources no longer put black lines over video
- TXC-2292: Added support for decoding MTS files with LPCM audio
- TXC-2270: MAV 70 sources no longer missing one frame after transcode to MXF (IMX50)
- TXC-2249: Improved quality of H.264 encoding
- TXC-2239: Fixed Pitchblue A/V Sync issue with decoding Dolby E
- TXC-2219: Specific MP4 sources now succeed when encoding to QT output when 'source timecode burn-in' is enabled
- TXC-568: Encode to Seachange with Interlace Resize filter no longer needs long time and high CPU usage
- TXC-3138: Audio overlay from video only sources is now available
- TXC-3105: P2 AVC Intra 50 files now decode successfully
- TXC-2997: Avid DV100 now decodes successfully
- TXC-2898: IBPBPBPBPB GOP structure corrected in GXF files
- TXC-2896: MXF DVCPROHD 720p have correct field order description
- TXC-2855: MXF DVCPROHD outputs now play correctly

- TXC-2851: Direct convert from MXF DVCPPro50 to Omneon MOV reference works when "Make Standalone VBI file" is enabled
- TXC-2780: Decode of Video Only Transport streams now works correctly
- TXC-2777: VOD TS Direct Convert now has "Preserve Enhanced Television Packets" option
- TXC-2772: SCC File insertion functionality restored
- TXC-2766: Dual TimeCode entries in 720p XDCAM outputs resolved
- TXC-2763: TimeCode reads correctly from Harris MXF files
- TXC-2755: SCC Reader Force Non-Drop Timecode option now works correctly
- TXC-2693: Aspect ratio control is now available for DVCPPro in MXF Encoder
- TXC-2684: 16 bit audio option is now available for XDCAM in Avid Transfer Engine encoder
- TXC-2650: FCP ProRes SD 24/23.976 outputs now have correct captions
- TXC-2636: AmberFin generated ProRes MOV files now decode
- TXC-2610: Audio sync is correct for transcodes from MXF MJPEG2000 EMC sources
- TXC-2551: Problematic Mpeg 2 Program Stream Files now decode correctly
- TXC-2545: GXF IBPBPBPBPB GOP structure now available
- TXC-2463: Resolved missing frames issue when transcoding QT XDCAM HD sources
- TXC-2426: Caption timing corrected for HD Pathfire shows down-converted to GXF SD
- TXC-2420: Files generated with Seachange encoder can now be decoded with Seachange decoder
- TXC-2389: Captions now present in FCP XDCAM output
- TXC-2376: FCP AVC Intra FourCC codes are now correct
- TXC-2611: VOD encoder AES audio packet size is now valid for 720p 60 Hz output
- TXC-2568: VANC Insertion now works for Omneon HD PAL frame rates
- TXC-2537: TIFO metadata is correctly not being passed when Preserve Source Metadata is deselected
- TXC-2384: Creation of audio only MPEG1 System Stream is now working
- TXC-2319: VANC Scanning now works on problematic source files
- TXC-2303: MXF D-10 outputs transcoded from MAV70 now have audio
- TXC-2291: FCP DV product now shows Lower Field First in the UI
- TXC-2256: Slate/Spot detection now works on longer files
- TXC-2252: Large EDL with 300 entries now transcodes correctly
- TXC-2200: Fixed WMV to MP3 encode
- TXC-2166: PAL is now supported for Audio Metadata VANC insert
- TXC-2144: FCP/Avid XDCAM 4:2:2 video direct convert now succeeds
- TXC-2118: Artifacts when decoding Jpeg2000 Samma files have been fixed
- TXC-2094: Fixed issue with truncated audio output in Dolby E decode
- TXC-2079: MediaComposer and Interplay correctly detect XDCAM after direct convert through Avid TM
- TXC-2052: Problematic MPEG2 PS files with LPCM audio now decode with correct A/V sync
- TXC-2006: Overlay opacity now works with certain PNG files
- TXC-1887: 3:2 Pulldown from problematic sources no longer cause A/V Sync issues
- TXC-1874: Timecode is now preserved from P2 sources

- TXC-1814: FCP H.264 Config File Import encoder is no longer extremely slow when "Insert 608 Closed Captions" are enabled
- TXC-1785: Omneon Encoder: Encodes no longer hang if both "user data" and "source timecode" options are checked
- TXC-1779: Decoding GXF source files no longer have Timecode shift when using Timecode Burn-in
- TXC-1778: Slate detection spot results are now frame accurate
- TXC-1775: Insert 708 Captions option now available with ProRes HD Codecs
- TXC-1773: MP4 wrapped AVC source flipping to MXF IMX format now completes
- TXC-1125: 720p60 source w/SCC to FCP ProRes 720p60 output has Captions in sync
- TXC-726: Resolved issues decoding customer's audio only source files
- TXC-692: Fixed BWav insertion issue with MXF source & WAV file
- TXC-581: FCP H.264 with CFG now creating interlaced TFF output at acceptable speed
- TXC-574: DolbyE decode now works for sources with mixed PCM and DolbyE
- TXC-571: Fixed MXF IMX to MXF XDCAM HD issue with wrong duration when using interlaced resize filter with simple motion resolve
- TXC-564: Captions are now in sync when encoding Mpeg TS 720p to FCP ProRes
- TXC-550: Insert VANC data can now be based on video filename
- TXC-2183: Problematic SCC insertion workflows now succeed
- TXC-2033: Decodes of problematic PitchBlue now succeed
- TCX-2032: Fixed caption extraction from specific PitchBlue sources
- TXC-1878: Transcodes to MXF D10 outputs no longer lose two frames of videos
- TXC-1849: Video end of sequence marker is now correctly added to MPEG2 bit streams
- TXC-1846: Fixed memory leak decoding Dolby E from certain PitchBlue source files
- TXC-1837 / TXC-1607: Aspect ratio checkbox for IMX and DV in Avid TM product now works
- TXC-1800: Problematic FLV files now decode
- TXC-1754: Now correctly handles 60 Hz time code in QuickTime encoder
- TXC-1725: Improved performance when transcoding DV sources to audio-only outputs
- TXC-1724: EVS Encoder now correctly handles timecode
- TXC-1715: H.264 720x480 encodes now support 4:3 Display Aspect Ratio correctly
- TXC-1714: Fixed audio popping issues when decoding source DV file
- TXC-1712: Fixed creation of keyframes from LXF DV files
- TXC-1674 / TXC-1364 / TXC-761: Addressed file corruption issues with Final Cut / Avid Encoder when writing directly to network-attached storage
- TXC-1667: Addressed A/V sync issues when decoding partially restored GXF DV files
- TXC-1659: Outputs from some 360 Systems MXF source files now have correct duration
- TXC-1643: Addressed crash in Transport Stream MPEG-2 encoder when encoding from certain QuickTime files
- TXC-1615: Resolved issue using Media Trim filter when using LXF source files
- TXC-1599: Added support for DVCPProHD direct convert to MXF encoder

- TXC-1480: Avid TransferEngine user interface now correctly reads 185Mb (not 220) when creating DNxHD 1080i 25fps 10 bit
- TXC-1438: Addressed issue when converting from WMV to P2 AVC-Intra MXF
- TXC-1432: Corrected errors decoding captions from Transport Streams with H.264 essence
- TXC-1327: MainConcept .CFG files interlaced outputs no longer create bad video when creating MOV files
- TXC-1274: QuickTime encoder no longer creates a short file if the network connection to the source is lost; it now triggers an error instead
- TXC-950: Addressed issue where audio overlay channels were not being correctly mixed with audio from the source file
- TXC-815: TSEDL files referencing some Omneon MXF no longer have an extra frame in the output
- TXC-577: Addressed issue when performing caption insertion during a direct convert to MPEG-2 Transport Stream
- TXC-522: Fixed duration reporting on Omneon Server for Omneon outputs

New Known Issues in this Release

The following issues reported since the FlipFactory 7.3 Release remain unresolved:

- TXC-4030: A/V Sync issues when decoding Mpeg Audio from recent PitchBlue sources.
- TXC-3962: We are no longer detecting timecode in .MTS files
- TXC-3959: Transcode time of Pitchblue files to Avid MediaStream has significantly increased since FlipFactory 7.3
- TXC-3958: Transcode time of Pitchblue files to Seachange has significantly increased since FlipFactory 7.3
- TXC-3955: MXF DVCPRO HD Harris Source file fails to decode
- TXC-3948: GXF 1080 down converted to GXF SD DV shows bad artifacting/color shifts on text
- TXC-3944: Blocking artifacts when creating MXF XDCamHD 422 output
- TXC-3941: EMC's WMV8 source file fails to transcode
- TXC-3938: MXF DNxHD 23.976 outputs won't import into Avid
- TXC-3932: P2/AVCI 100 Encoder slow
- TXC-3927: MXF IMX50 Direct Convert output cannot be played by certain playout devices
- TXC-3902: Issue decoding WMV1 source file
- TXC-3876: H.264 Encoder PSP container is making bad outputs with PAL settings
- TXC-3867: Wav file that has WAV_FORMAT_EXTENSIBLE tag in header cannot be decoded
- TXC-3849: DV-AVI Liquid encoder has Memory leak on long form sources
- TXC-3846: QuickTime DNxHD 23.976 output Timecode is incorrectly rounding up early
- TXC-3827: Avid Transfer Manager: AVC Intra 1080i crashes
- TXC-3813: Blocking artifacts when transcoding DnxHD to XDCAM HD422
- TXC-3811: Fade In/Out filter has an uneven fade out on a certain source file

- TXC-3809: IPV Spectreview output does not create idx3 and idx4 if Specify Multiple Languages is enabled
- TXC-3803: VOD HD workflow fails Manzanita Analyzer when Captions are enabled
- TXC-3800: Dolby AC-3 > Dolby Digital Parameters lack options for MPEG2 PS
- TXC-3798: "Garbled captions" on Mediastream 1600 layout after upgrade to FF 7.3
- TXC-3789: Keyframe not working on some sources
- TXC-3786: The last frame in an Omneon MXF file is being cut off
- TXC-3784: Cinnafilm's Source XDCAM HD file hangs at 93% on any transcode
- TXC-3746: Mpeg2 PS Direct Converted to VOD produces a progressive A/V Sync issue
- TXC-3737: Send to Playback TIFO IMX source video is not decoding
- TXC-3728: Avid created AVC Intra QT source fails on direct convert
- TXC-3700: SCC Generation fails transcoder action with Mpeg2-PS source file
- TXC-3697: 360MAXXHD encoder/decoder color issue
- TXC-3685: MXF Op1a 720p60 outputs have an extra black frame at the end of clips
- TXC-3665: XDCAM HD output created by TSEDL produces a/v sync issues
- TXC-3649: We don't currently support QT files without a Sync table
- TXC-3648: Quantel DV 720p source, transcoded to any output has slow video on playout
- TXC-3647: Certain Omneon native files will not transcode to FCP 720p with 708 Captions enabled
- TXC-3640: Can't decode certain J2K PAL files
- TXC-3636: Audio Fade in/out doesn't work with Audio Only source to Audio Only outputs
- TXC-3634: Burning in Hebrew subtitles will cause mirrored numbers
- TXC-3631: FCP DVCPRoHD 720 60p memory leak using XDCAM 420 & 422 native source files when "Enable 708 Caption Track" is enabled
- TXC-3623: Decoding Source Omneon w/ AC3 audio does not work
- TXC-3606: Certain Mpeg source has A/V Sync after transcode
- TXC-3603: Nexio DV SD Transcoding to Omneon SD loses Captions
- TXC-3602: IPTV - Insert closed captions not working going to 60 FPS
- TXC-3597: Transcode of corrupt QT MOV files hang forever and does not abort
- TXC-3585: Final Cut & QT NLE H.264 Main, default and flash high give bad outputs
- TXC-3566: Final Cut & QT NLE AVC Intra 720p 422 hangs @ 90% and then times out when 708 Captions Track is enabled and using PAL Source
- TXC-3565: Final Cut & QT NLE AVC Intra 720p dropping frames when transcoding Apple ProRes 422 720p 59.94 source
- TXC-3563: Final Cut & QT NLE XDCAM 422 720p 60 output jumping when source is AVC Intra 1080i 25fps
- TXC-3562: Sub-clipped Snapstream source file that fails to transcode
- TXC-3536: 720p60 Mpeg2 essence source Direct Converted to Mpeg2-TS more than doubles the output file size and duration
- TXC-3529: The default field order option is incorrect for the 360 HD files
- TXC-3528: Transcoder is creating Nexio DV that doesn't show the video info or the Picon frames when using the Nexio Clip info tool
- TXC-3527: The Grass Valley MXF codec under MXF is creating bad outputs
- TXC-3520: A/V sync issue when having Media Trim filter applied on MXF wrapped XDCAM HD422 sources

- TXC-3519: IPTV advanced settings, Target Overhead Rate and Reserved Bandwidth, do not have any impact on the output file
- TXC-3499: Final Cut & QT NLE XDCAM 422 720p Direct Convert has Caption Sync issues in output
- TXC-3487: DNxHD profiles listed as 175 Mb/sec instead of 185 Mb/sec
- TXC-3486: Final Cut & QT NLE HDV & XDCAM 420 1080i 50 quality issues
- TXC-3479: Final Cut & QT NLE DV, DVCPPro, IMX and XDCAM 420 quality issues
- TXC-3460: Final Cut & QT NLE DNxHD sync issues when "Timecode" enabled, "Timecode visible" enabled and "708 captions" enabled
- TXC-3448: Transcoding of MXF IMX to H.264 with Media Expansion crashes
- TXC-3446: Crush whites/Lifted Blacks after transcoding MXF J2K source to ProRes SD
- TXC-3443: Final Cut & QT NLE with 708 captions enabled have issues playing out files made using FCP ProRes 720p
- TXC-3436: Omneon QT Direct Convert 'User Data Creation' box does not preserve captions
- TXC-3421: Transcoding AVC/MP4 sources with 1080@59.94 Progressive framerate, creates an output with double the playout speed
- TXC-3413: Final Cut & QT NLE ProRes 422 color drop down list shows 701 HD and it should be 709 HD
- TXC-3402: Progressive Sync issue on ProRes 1080@29.97i to XDCAM MXF 1080@23.976p transcode
- TXC-3355: GXF source with MPEG2 HD essence cannot be flipped
- TXC-3314: We are creating files with squashed colors when making EVS JPEG-M files
- TXC-3309: 16 Bit Windows Media Audio WMA does contain 24 Bit for some bitrates
- TXC-3308: Omneon Long form sources timeout on Direct Convert to Mpeg-PS
- TXC-3307: Final Cut Trimmed file (from Omneon) drops captions when transcoded
- TXC-3293: MXF XDCAM UI audio only lets you select a minimum of 4 channels
- TXC-3292: Captions are lost if Source File has a Bumper/Header without a caption track
- TXC-3282: Progressive A/V sync issue going to MPEG2 with customers source
- TXC-3277: SCC files with "Byte Order Mark" indicating UTF-8 encoded file fail to insert the captions during transcode
- TXC-3196: Issue decoding captions from a certain SD GXF source file
- TXC-3192: Video only WMV/VC-1 source file fails going to Flash9 or WebM codecs
- TXC-3100: Intermittent errors writing MXF XDCAM output to Sony PDW-U1
- TXC-3075: A/V sync when using MediaExpansion and Audio Overlay in a transcode
- TXC-2959: .SAF files fail to direct convert to Seachange encoder
- TXC-2908: Crash when Direct Converting AVC Intra sources to GXF
- TXC-2868: Output file duration is incorrect when using QT Interstitials in Media Expansion
- TXC-2860: Issues decoding 720p DVCPProHD from Avid Playback Service
- TXC-2834: Media Expansion "Insert Black Frames" have high luma values
- FF-9496: FlipFactory Omneon FTP Monitor does not recognize new files appearing in the FCP folder on the Omneon server when the Omneon server is running version 7.0
- FF-9398: Errors doing more than two simultaneous deliveries to newer Nexio servers

Other Known Issues in this Release

The following issues were known in FlipFactory 7.3 and remain unresolved.

FF-6919 – Known issues with HD encodes failing in QuickTime H.264 codec on certain machines, this is an inherent issue with the QuickTime API from Apple that we can't rectify. We recommend using the H.264 option in the Final Cut encoder in these cases.

QuickTime 7.7 Issues

Issues have been reported when using the Apple 3GP and Apple MPEG-4 encoders with QuickTime version 7.7 – note that Telestream recommends using QuickTime 7.6.9 as the preferred version. Issues have also been reported on systems where QuickTime version 7.7 has been installed, even after reverting the QuickTime version to 7.6.9.

Smooth Streaming Encoder

Microsoft Smooth Streaming DRM does not work on older operating systems. DRM encryption libraries from Microsoft only work on Windows Server 2008; please upgrade to this OS if you require PlayReady DRM encryption for Smooth Streaming.

Omneon Encoder

The following are known issues with the Omneon encoder:

TXC-1927, TXC-1812: Some direct converts are failing in the Omneon encoder

TXC-2817: Direct convert of 24fps DNxHD sources fails

TXC-421: Encode to SD Mpeg-2 4:2:2 may cause severe artifacts in the video

TXC-1647: Captions are not preserved transcoding from XDCAM HD with 436M to Omneon SD MOV MPEG-2

IPV Spectreview

IPV does not support Spectreview software on Windows Server 2008.

EVS Encode

TXC-1640: Encoding to 1372x1080 or 1440x1080 will introduce color shifts.

EVS Decode

TXC-1975, TXC-1726: Audio decode issues from certain EVS sources

SQL

SQL Express 2005 SP4 is not supported for FlipFactory 7.4.

Upgrading from Previous Versions

! NOTE: Please test before upgrading your production environment

It is always advisable to run a separate copy of this new build, staging your production workflow in a test environment, before updating your FlipFactory production server. Telestream can provide you with a limited license in order to configure and qualify this new release in a test environment prior to upgrading your production server. For details on how to replicate your FlipFactory accounts database onto a test/qualification server please reference Importing and Exporting Accounts, in Chapter 10, Database Implementations and Operations, in the FlipFactory User's Guide; alternatively, email Telestream Support support@telestream.net or call our technical support team at 877-257-6245 in North America or 1 530-470-1300 outside of North America.

For complete upgrade instructions please refer to the FlipFactory 7.4 User's Guide, Chapter 2, Installing FlipFactory, Upgrading from Earlier Versions, on page 2-5.

If upgrading to 7.4 from FlipFactory 6.1, please uninstall FlipFactory first. If upgrading from 6.0 or earlier, please contact customer service.

Please make sure that QuickTime is present on your FlipFactory server before installing FlipFactory 7.4.

Note: When you first launch the FlipFactory console, you may be asked to re-install QuickTime. To remove this warning, simply un-install QuickTime, then re-install QuickTime.

Automatic Factory Upgrades

You can enable Automatic Factory Upgrades, to revise all factories and accounts to the latest version of FlipFactory. This feature eliminates the requirement to manually re-build factories when performing an upgrade. This automatic upgrade option adds new options to all monitors, notifications, and codecs in each factory. To enable automatic factory upgrades, check "Automatic Account Update" under Advanced Settings in the FlipFactory System Settings window, and then restart the Flip Engine service. All accounts and factories in the database will automatically be upgraded when the service starts; any subsequent accounts that are imported will also be upgraded automatically. Note that if this option is used, it may take several minutes to upgrade the accounts; during that time you may not be able to connect to FlipFactory. **Alternatively:** You may right-click on any individual factory to upgrade it.

While the automatic factory upgrade feature saves users from the requirement to manually re-build factories when performing an upgrade, we strongly recommend that you manually inspect the settings in upgraded factories prior to putting them into production.

Note: The IPTV and VOD codecs do not upgrade correctly if the factories were made in versions of FlipFactory prior to version 6.1. If your factories use these products, please note your settings *before* automatically upgrading your factories. You may be required to re-create these products by hand.

Upgrading and Custom Stylesheets

If you use stylesheets for metadata processing or other workflows, and have modified the default XML templates, to preserve your settings please make a copy of each modified stylesheet and change its name to something unique to your environment. Then, restart the FlipFactory service and select the

newly named stylesheet in the factory where it is used. FlipFactory will not overwrite uniquely-named stylesheets during an installation.

Windows Media Encoding

Windows Server 2003 does not include the WMV V9 Advanced Profile codec (VC-1), included in the Windows Media Format SDK. If you need to encode WMV V9 Advanced Profile files using Windows Server 2003, please contact Telestream Technical support for assistance.

Windows Server 2008 requires that you enable the Windows Desktop User Experience prior to creating WMV outputs.

Disabling Bonjour: It is recommended that you disable the Bonjour service after installing FlipFactory.