Skylark SL NEO 2.5 Software Line

Extended opportunities for working with subtitles, EPG support, Transfer Manager supports work with FTP.

Version history

- Skylark SL Neo 2.4 Software Line
- Previous Versions

Additional Information

- Supported Boards
- Skylark SL NEO Software Driver Compatibility Table

Current Version:

2.5.179 (2021-11-05)

- Fixed: the error leading to very quick hiding of teletext captions after non-stop playback for over eight weeks in a row without stopping the playlist.

2.5.176 (2021-03-12)

- Fixed: applying styles in some cases upon displaying open captions.

2.5.175 (2021-03-03)

- Added in the program channel: the variable that allows correct synchronization of playing DVB captions at the backup server upon generating actions in parameter lists.
- Fixed: incorrect usage of color spaces upon conversion of files with transparency.

2.5.170 (2021-01-13)

- Fixed: errors that may lead to incorrect encoding of subtitles to teletext.

2.5.168 (2020-31-12)

- Fixed: the error in the program channel upon playback of some subtitles as teletext.

2.5.159 (2020-19-09)

- Improved: in RSS parameterization settings of the graphics editor, increased maximum numbers of elements that can be used via indicating the element number.
- Fixed: the error in playlist windows of Airmgr leading to incorrect displaying of some fields in group lines.

2.5.158 (2020-09-17)

- Fixed: the error in graphic compositions appearing upon processing some RSS feeds.

2.5.157 (2020-07-09)

- Fixed: Display of some characters in teletext subtitles in Swedish.
- Fixed: skipping frames upon playout of clips with subtitles stored in the external folder of the file system.

2.5.152 (2020-13-08)

- Fixed: import to the media database in the ATTACH MEDIA mode without repacking the material (HIRES ONLY/HIRES+PROXY).

2.5.151 (2020-12-08)

- Fixed: prioritizing access to the disk while preparing clips for playback in the program channel. This must fix the situation with the CUE operation giving a timeout error in some cases.

2.5.149 (2020-29-07)

- Fixed: work with non-Latin symbols in settings of paths to folders with play-lists and Transfermgr.

- Fixed: the error in the program channel leading to incorrect playlist execution upon manual transition to HardStart events.

2.5.148 (2020-26-07)

- Improved: decreased disk load upon working in Media Browser with high-bitrate h264/xavc materials.

2.5.144 (2020-19-07)

- Fixed: incorrect execution of HardStart events at the backup server.

2.5.142 (2020-10-07)

- Fixed: the program channel error leading to incorrect playlist execution in case, when the HardStart line status is set to "CUE" manually or after backup synchronization, and the line starts earlier than the previous line ends.

2.5.141 (2020-03-07)

- Improved: numeration of Airmgr layer windows in the remote mode for cast-lists with graphic layers now starts from "_LAY1". Besides, nine windows with layers are created.

2.5.140 (2020-02-07)

- Fixed: copying secondary events files in the Copy for Playlist mode, when the secondary events list is changed for existing main events.
- Fixed: reconfiguring Airmgr buttons that turn on/off displaying graphic layers upon changing the main layer transparency in program channel settings.

2.5.137 (2020-06-07)

- Improved teletext output: compatibility with decoders that require constant presence of teletext data in both fields of the interlaced frame.

2.5.132 (2020-17-05)

- Fixed: defects upon import/playback of audio-files with the sample rate not equal 48000.
- Fixed: sudden performance drop of the Multiviewer service upon using sound level meters.

2.5.131 (2020-05-07)

- Fixed: the error in AirMgr, resulting in the incorrect request to confirm saving playlists and rec-lists in offline editors.
- Improved: interactivity of work with long playlists and rec-lists in AirMgr.

2.5.130 (2020-05-06)

- Fixed: the error leading to AirMgr closing upon applying the configuration that deletes castlist and/or reclist services.
- Fixed: the error leading to AirMgr closing upon d&d operations in castlists and reclists.

2.5.129 (2020-05-05)

- Fixed: the error in the program channel that may lead to subtitles not being played after several weeks of working with subtitles.

2.5.125 (2020-04-24)

- Added: support of interface management through XKeys-12 Jog.
- Fixed: adding a subtitle outside the out-point of the exported fragment upon export of clip fragments with subtitle tracks.

2.5.122 (2020-04-18)

- Fixed: the error in AirMgr that led to incorrect displaying of time zones for clips in "Create time"/"Last Modified" fields of the Metadata View window.
- Note: to work with Matrox boards, this version requires the 10.1.100 driver. This driver version fixes the problem with single black frames appearing upon SDI output via Matrox boards.

2.5.121 (2020-04-17)

- Improved: settings of DVB IPTS outputs now allow specifying a random number of language and subtitle pages.
- Added: the slow motion and instant replay module now allows simultaneous launch of several services at the same set of recorders.

2.5.120 (2020-04-15)

- Fixed: the error resulting in the MarkerDisplay position being saved to the file incorrectly for newly created displays.

2.5.119 (2020-04-10)

- Fixed: the error that made impossible sending WSS to IP outputs.

2.5.118 (2020-04-09)

- Fixed: the error in the program channel leading to incorrect switching in case of using the server output and external lines/router.

2.5.117 (2020-04-02)

- Added: the criteria that allows specifying a folder for searching in the media search window.

2.5.116 (2020-03-31)

- Added: specifying the maximum number of repeats for the rolling text in text elements of graphic compositions.
- Improved: upon encoding audio in the module for IPTS output, audio-frames are grouped now, which allows reducing bitrate usage upon batching.
- Fixed: the error in AirMgr that may lead to MarkerDIsplay blinking.

2.5.115 (2020-03-27)

- Fixed: the error in AirMgr that leads to interface crashing upon online usage of the playlist editor.
- Fixed: processing ìDataî fields upon import of playlists from XLS.
- Improved: batches not containing necessary teletext fields are ignored in various algorithms of teletext processing.

2.5.113 (2020-03-23)

- Fixed: an error upon executing the Sync Once command in the program channel, leading to the playlist stop instead synchronization, in case if the time till the end of the played event is less than 4 seconds.

2.5.112 (2020-03-22)

- Fixed: an error in TransferMgr that may lead to freeze of the interface when switching the rule in case if TransferMgr has been working awhile without switching the current rule in the interface.
- Improved: the "^" symbol may be entered in the beginning of the folder name, making turning on the folder non-recursive upon the Include Folders configuration for external volumes of the media database.

2.5.111 (2020-03-20)

- Fixed: RTMPS streaming to Facebook.

2.5.110 (2020-03-18)

- Added: support of the Debug option for the VininX.v128 protocol.
- Added: the configuration option in AirMgr/MaConnect/PlayerList/Newscut that allows turning off the possibility of changing window size in the Dock mode for the user.

2.5.109 (2020-03-13)

- Improved: upon import from P2 cards, generation of file names excludes appearing of ":" symbols unacceptable for file names in the Windows file system.

2.5.108 (2020-03-10)

- Fixed: the error in AirMgr, which in some cases may lead to the wrong choice of the active window of play/rec-lists.

2.5.106 (2020-03-03)

- Fixed: the error of captions alignment by the left side in the program channel upon encoding teletext from STL, when using colors for text.

2.5.104 (2020-02-29)

- Fixed: the teletext pass-through function for graphic layers of the program channel.
- Improved: the RCP interface in the slow motion and instant replay module.

2.5.103 (2020-02-24)

- Fixed: memory leak in the IP Playout module of the backup encoder upon using the h264 codec.
- Added: the RCP call in the slow motion and instant replay module, allowing for deleting key points.

2.5.102 (2020-02-23)

- Fixed: loading of key points with negative angles in the graphics editor.
- Added: the option for sending metadata upon generation of CUE-points in the XML-RPX interface of the slow motion and instant replay module.

2.5.101 (2020-02-21)

- Fixed: the error in the key point editor of the graphics editor that didn't allow setting the scaling rate to 0.
- Improved: AC3 settings of the IPTS output module allow setting Center Level, Surround Level and Downmix from 5.1 to stereo.

2.5.100 (2020-02-20)

- Fixed: upon using the playlist editor, spaces in the end of the Media field are not deleted if present in the clip ID.

2.5.99 (2020-02-18)

- Fixed: the error of writing large MXF files to the media database.
- Improved: source filters in Transfermgr may be configured to check the mask for File and FTP sources by the actual file path instead of the short title. Thus, the mask can be used to test full filenames, including extensions.
- Improved: the PROXY switcher in FileMonitor now has two options and can be used for viewing only proxy-copies, if there are any.
- Added: the "Include Folders" field in Volume settings of the media database.
- Added: the "Media-List" command in the folders right-click menu of Media Browser.
- Improved: upon import of assets with subtitles to the media database, subtitles are now created for LRV too and can be used for viewing in case if BRV is archived.

2.5.97 (2020-02-13)

- Changed: the default order of audio channels for assets can be changed in the program channel, depending on the number of audio channels in the asset.
- Changed: a certain line can be specified for the VANC-packet upon output of SCTE-104 in SDI.
- Fixed: the error in the program channel leading to buffer overflow when rebroadcasting teletext with a big number of pages.
- Changed: upon output of teletext in SD-SDI via Matrox boards, OP-42 teletext can be displayed along with active VANC output.
- Fixed: captions with two newline characters in a row are correctly processed upon recording SRT files.

2.5.96 (2020-02-07)

- Fixed: the error leading to closing apps upon encoding captions in CEA-608.
- Added: the parameter in the Pulse Pin command of the GPI module, which allows setting the signal duration.

2.5.94 (2020-02-02)

- Fixed: the error in the recorder model, leading to deactivating main/back synchronization after the end of recording.

- Added: RPC (Remote Procedure Calls) in the slow-motion and instant replay module, allowing for setting key frames in random places, and start/stop recording.
- Added: Replace and ReplaceDifferent modes in TransferMgr for overwriting existing clips.

2.5.93 (2020-01-29)

- Fixed: signalization of the field number upon output of OP-47 teletext.

2.5.92 (2020-01-26)

- Fixed: NDI driver color distortion in semitransparency modes.

2.5.89 (2020-01-21)

- Fixed: generation of the 100th teletext page.
- In MediaBrowser, Edit Status and Delete At commands open local editing dialogues of the corresponding parameters.

2.5.87 (2020-01-17)

- Fixed: occasional delays of the program channel that may lead to skipped frames.
- Upon output of teletext in MPEG2TS, VBI lines specified in the configuration are now considered.
- Fixed: SW-P-8 switcher control protocol.
- Fixed: captions disappearing from the program channel upon non-stop back-to-back playback of clips for over 24 days in a row.
- Word wrap is applied to avoid moving text off-screen upon output of open captions.
- Upon output of teletext, lines 7-11 and 17-20 are now used by default. Teletext output now works with default parameters on Matrox boards in the 1080i50 mode.

2.5.86 (2020-01-15)

- Fixed: clicks upon using Playout Loudness with big maximum gains.

2.5.85 (2020-01-14)

- Port numbers of players in program channels starting from 7th are shifted to the unused

channel zone. This allows avoiding conflicts with the module for switchers control.

2.5.84 (2020-01-30)

- Fixed: the Captions column in AirMgr is displayed correctly after export of playlists to XLS.
- Services may be turned off without being deleted in EasyMuxer settings.
- Fixed: retrieving some H264 TS streams.
- Added: support of GrassValley Vega routers by the SW-P-08 protocol.

2.5.82 (2020-01-04)

- Fixed: import of PNG and JPG images with shades of gray.

2.5.81 (2019-12-30)

- Fixed: using user2-user8 attributes in AirMgr, when dragging clips from MediaBrowser with checked Folder Tags.
- Upon import and recording of assets that have subtitle tracks but don't have actual captions, empty subtitle files are no longer created and assets are not marked as having captions.

2.5.78 (2019-12-20)

- Fixed: incorrect frame frequency definition of some P264 PAFF files.
- Fixed: playback of captions using in_point in the Playout module.
- The recording module now implements name check of files and folders for invalid characters.

2.5.77 (2019-12-19)

- Fixed VDCP interface.
- Fixed: hanging of different components upon using FTP access.
- ONAIR status switching events are now recorded to AsRun logs.

2.5.75 (2019-12-16)

- Fixed: playback of MKV files.
- Fixed: rounding the teletext vertical position when using "middle" alignment.

- Fixed: losing control of playlist when using scrubbing control and dragging the current position outside the clip.

2.5.74 (2019-12-06)

- The Captions column in MediaBrowser now works with media database captions available via Captions Dir.
- Parameterization in playlists of program channels now allows specifying an RSS-feed to be used for elements of graphic compositions with the RSS type of parameterization.

2.5.73 (2019-12-05)

- Fixed: distortion of non-latin symbols in the Active Folder configuration of the program channel.
- Added: the Captions column in MediaBrowser, displaying subtitle text tracks.
- Fixed: support of subtitle files with the language suffix specified with capital letters.
- Editing PIP-objects in graphic compositions within playlists now allows displaying duration along with IN/OUT points.

2.5.71 (2019-01-12)

- In Airmgr, playlists of secondary events with the From End type of start now display Stop Time relative to the end of the main event.
- Fixed: incorrect time of playing captions during playback by the "Play subtitle" command in the Playout module.
- Fixed CEA 608 encoder.
- Fixed: displaying CEA 608/CEA 708 preview.
- Added: a command in program channel that allows temporary deactivation of the clip trimming mechanism used to fit the playlist to the needed duration.

2.5.70 (2019-29-11)

- Fixed: the default line while encoding subtitles to Teletext.
- Fixed: the "Audio Transparency" column is now supported when using the "Secondary as graphics" option in the program channel.
- Added: the "Playback correction (frm)" setting in the program channel, allowing for specifying a minimal difference between the player and playlist positions that activates the algorithm of trimming adjacent clips.

2.5.69 (2019-23-11)

- Added: an option in the Playout module that allows processing color parameters: brightness, contrast, hue and saturation.
- Fixed: regression of encoding 608/708 captions.

2.5.68 (2019-21-11)

- Fixed: correct processing Teletext Pass Through in he program channel.
- Fixed: errors in transfermgr that could lead to incorrect transfer of several links to the same media-file.

2.5.67 (2019-19-11)

- Source Specific Multicast (IGMPv3) can now be used while capturing IPTS streams in Capture and easymuxer.
- Added: a command in the media browser, generating CCH indexes for MXF files already present in the media database.
- Added: a configuration option for media database volumes that allows automatic generation of CCH indexes for MXF files.

2.5.66 (2019-18-11)

- Fixed: occasional picture break-up while capturing some h264 IPTS streams.
- Added: the option of setting event generation conditions for input rows while retrieving data via the RS port of the GPI module.
- When using OrigTC, information on the segment starting point is now logged in the program channel.
- Added: user-defined As-Run logs in the program channel now can have rules of generating records for secondary events.
- Added: using matrices up to 256×256 dimension for routers operating by the Leitch protocol.

2.5.64 (2019-12-11)

- Added: the right-click command in AirMgr playlists for marking playlist elements as "Skip".
- Improved: the algorithm of pre-buffering during video playback in the program channel.

2.5.63 (2019-11-11)

- Fixed: activation of the AirMgr window for editing segments by clicking on the window title in the MDI mode.
- Added: setting the "EndMode" attribute to "Skip" for playlist items in the program channel: the item is temporarily excluded from the playlist and will be skipped.
- Fixed: when no new subtitles come, the last subtitle disappears from preview in the Multiview server module.
- Added: using substrings of input parameters values, when retrieving parameters in the module for receiving GPI signals.

2.5.61 (2019-09-11)

- Fixed: an error leading to a player hang while encoding subtitles in Teletext.
- Fixed: an error leading to distortion of subtitle files while recording subtitles to the media database in the remux mode.
- Improved: algorithm of pre-buffering during video playback in the program channel.
- Fixed: the "Audio opacity duration" setting is now considered when using the "Secondary as graphics" option in the program channel.
- Added: the option of control via REST API for the recording module.

2.5.60 (2019-01-11)

- Fixed: uploading assets from AirMgr/Maconnect to editors windows (FileMonitor/SegmentEditor/KeyFrames) in case of a swift asset change in the media-browser or playlist and switching to the editor window.
- Added: "Segment Field" function in the ActiveFolders section of the program channel.
- Added: support of overlapping insert regions that use different program_id/event_id while processing input SCTE-104/35 messages.
- Fixed: output of a column containing the Type field while generating AsRun logs in the V2.2 format.
- Confirmation dialogs of playback stop in AirMgr now display a name of the playlist to stop.
- Fixed: work of the "Split at Key-Frames" command in AirMgr.

2.5.59 (2019-10-31)

- Fixed: positioning operations when reading some MXF files.

2.5.58 (2019-10-29)

- Support of up to 8 DVB subtitles channels for IPTS output.

2.5.57 (2019-29-10)

- Fixed: correct hiding of teletext subtitles, when trimming a clip in the middle of a subtitle element.

2.5.55 (2019-25-10)

- When launched from the command line and scripts, cpmedia now takes parameters in local languages.
- The Slow Motion and Instant Replay module now allows using up to 16 recording channels. Cameras are switched by the following key combinations:
    - 1-4 - `<1>` - `<4>`
    - 4-8 - `<Shift-Release>` + `<1>` - `<4>`
    - 9-12 - `<Shift-Hold>` + `<1>` - `<4>`
    - 13-16 - `<Opt-Hold>` + `<1>` - `<4>`
- In the program channel PlayClip action, the event_id parameter now goes to the Item ID column of the corresponding graphic playlist and is output to AsRun. Also added: a separate parameter that allows setting the Title column of a created event in the graphic playlist.

2.5.52 (2019-16-10)

- When loading playlists in AirMgr, specifying layers for secondary events now is implemented by a separately activated "Fix secondary layers on playlist load" setting (reassigning only those secondary events that do not have a layer set).
- Fixed: incorrect "continuity error" signaling in PID 8191 (suffing), while capturing transport streams.
- Fixed: program channel error occurring while setting the output sound mixer in cases, when a sum of layers is used as a source (src layer = -1).
- Fixed: error leading to closing apps when decoding ProRes in the 444 profile.
- When importing/recording MXF files to the media database, .cch files are created, caching information from MXF files, necessary for building indexes. With these files, opening big MXF (10 Gb and more) ones with highly fragmented index happens in a split-second, which allows placing them into the playlist (without .cch preparing such clips for playout may take dozens of seconds).

2.5.49 (2019-11-10)

- Fixed: error leading to closing the program channel player during output of open captioning containing elements with absent text.

2.5.48 (2019-10-10)

- Added: horizontal and vertical text positioning in Teletext subtitles generation configuration.
- Fixed: generating titles while forming AsRun logs in the Custom format.

2.5.46 (2019-10-08)

- Fixed: launch on Windows 7 (regression appeared in 2.5.44, 2.5.45).
- Advanced compatibility with other applications when recording Interlaced/PAFF H264 in MOV and MP4 containers.
- Fixed: audio signal level when activating the "Output mixer" function of the program channel.
- Added: launch of 13+ program channels at one server.

2.5.45 (2019-06-10)

- Fixed: launch on earlier Windows versions before Server 2016 and 10th assembly 1703.

2.5.44 (2019-06-10)

- Fixed: Segmentation Desctriptor SCTE35 generation.
- Fixed: several things in the media database web-interface.
- Fixed: regressions while reading MXF OP1A that appeared in 2.5.43.
- Playlist automation: changed algorithm of processing situations when preparing clip for playback exceeds maximum time of preparation set in the configuration. Now in such cases the player is marked as "malfunctioning" and playlist execution continues with the "malfunctioning" player, then player reconnects and attempts to synchronize with the playlist. User-visible changes:
    - If synchronized playlists are connected to this automation, they switch to free execution.
    - Player resynchronization leads to defects in the output video.
    - Playlist does not shift for time of exceeding the set preparation time and all start times stay as in the playlist.
- Attempts to "awake" disks once per minute.
- The counter of player failures for program channels is now exported to the SNMP tree.
- Fixed: displaying graphic interfaces on monitors with high pixel density.
- Fixed: playlist synchronization in case, when there are events with the set duration and HOLD

status.

2.5.43 (2019-02-10)

- Added: a configuration option that allows opening MXF-OP1A files without preliminary index scanning. Index scanning for big files may take quite a while, leading to inability of playing MXF files directly in a playlist. The option is activated by adding a "mxf_op1a_no_idx=true" line to the "run/vars" file.
- Added: support for outputting closed captions into teletext (when playing from STL).
- Maximum value of sound amplifying increased from 200% to 400% for mixing sound channels.

2.5.42 (2019-30-09)

- When Matrox implements output and capture of "fill+key", "key" is scaled to the 16-239 range now.
- In program channel, DRC is applied after R128 Loudness now.

2.5.40 (2019-29-09)

- Fixed: locking <Del> button in keyboard locking mode for AirMgr/MaConnect/PlayerList.
- Added: option in IPTS (UDP and RTP) playout driver for parallel playout to backup address .
- Added: recording module supports recording codec for video with alpha channel.
- When moving clips from MediaBrowser to AirMgr playlists, sticky-tags for folders are now considered.

2.5.39 (2019-25-09)

- Fixed VDCP protocol.
- Frame separating batches are now generated while encoding to H264 and HEVC using NVENC.
- Added: media database now supports active disks by periodic cycles of non-buffered recording/reading.
- Fixed: error in program channel leading to playout reset when using subtitle files.
- Added: support of displaying symbols with combining accents while encoding subtitles to Teletext.

2.5.37 (2019-19-09)

- Fixed: some errors leading to incorrect displaying of subtitles in teletext.

2.5.36 (2019-18-09)

- The loader of Excel/TXT playlists now removes spaces in the beginning and end of these columns when there's no opening or closing symbol.
- Fixed: the error in the slow motion and instant replay module, leading to closing the application when using the h264/xavc codec.
- Fixed: the error in the slow motion and instant replay module, leading to blinking of the preview channel when switching to the PVW mode.
- Added: the PGM mode in the slow motion and instant replay module, which is activated by simultaneous pressing shift+PVM.
- Added: the configuring option in the slow motion and instant replay module, which allows separate switching of the current page and bank for playlist modes and tray.
- Added: support of Matrox XMIO3 boards (select LE4 during configuration).
- Added: support of text styles during playback of open subtitles from STL files.
- When encoding subtitles into teletext, the symbols that cannot be displayed in the selected language, now are replaced with spaces.

2.5.34 (2019-11-09)

- Paths to composition parts in News Cut shot lists and graphic compositions are now taken into account only in editors. Search during playback is now implemented only within the storage from which the composition has been loaded.
- Smoother peaks of processor load when preparing clips for playback in HD and SD resolutions.
- The loader of TXT/CSV playlists now allows configuring text templates for data columns.

2.5.32 (2019-09-09)

- Fixed: positioning video with frame-by-frame accuracy while marking materials in the video player of the database web-interface.
- Added: support of several key frames for the same time code in the key frame list of the database web-interface.
- Fixed: minor database web-interface and download manager interface bugs.
- Fixed: video shaking in the Playout module, when switching the 4×3/16×9 frame format.
- Fixed: processing of closing time codes for captions while viewing in FileMonitor.

2.5.31 (2019-01-09)

- Added: the option to load the start date column for playlist elements from files, when loading table playlists (xls, txt, csv).
- Changed positioning of the WSS signal during output in SD PAL.

2.5.30 (2019-23-08)

- Fixed: non-latin title entry for the 100th teletext page.
- Fixed: losing teletext batches during output within IPTS.
- Added: the option to control external graphic stations of other providers by the CII protocol.
- Added: support for reading AVI files made in Edius9.
- Video output in HwScale and HwOverlay modes is no longer supported for client applications.

2.5.29 (2019-19-08)

- Fixed: teletext output in the VANC mode in case, when VANC lines are used by default.
- Fixed: loading the audio level parameter for the audio part of PIP elements in graphic compositions.
- Added: support of analogue inputs and outputs for the Decklink 4K Extreme 12G driver.
- The database configuration now allows specifying an external folder with subtitle files, which are automatically added to assets with corresponding names.
- Added: the Subtitles column in AirMgr playlists, showing presence of subtitle files for a playlist asset.
- Added: program channel logs now receive additional debug information on delays in access to files.

2.5.28 (2019-14-08)

- Added: the "Audio transp change" setting in the program channel, which allows a smooth change of the sound level of overlapped layers, and using the Audio Transparency playlist column.

2.5.27 (2019-13-08)

- Fixed: the teletext generation module is now displaying some symbols absent in the basic teletext coding.
- Added: "Flat folder Structure" for As-Run logs in the program channel settings.
- Multiscreen now recognises RDP Audio settings.
- Added: the Router Bus module now allows users to configure event generation and calling actions of services while monitoring routers, for conditions like switching certain inputs and outputs.

2.5.26 (2019-09-08)

- Added: the Capture module now allows writing separate VBI lines to logs for their further

debugging in case, if capturing VANC batches fails.
- Fixed: errors while broadcasting IPTS in HEVC with B-frames

2.5.25 (2019-07-08)

- Added: the program channel now has the option of generating all necessary service packages and a primitive teletext start page. This allows to broadcast subtitles showed by regular TVs in conditions, when no other teletext generation systems are used.
- When encoding subtitles to teletext, now there are no limitations to a maximum number of simultaneously showed lines, as teletext permanently works in the POPUP mode.
- Fixed: errors in reading some EBU-STL files with subtitles.
- Fixed: key points navigation in the MAM Web-interface.
- Fixed: generating HEVC IPTS with using B-frames (can be used with NVENC supporting B-frames in HEVC).

2.5.24 (2019-03-08)

- Added: playlist actions now have parameters with values received by calculating estimated time till the end of one of the following playlist elements. The feature can be used to calculate duration of the insert window while generating SCTE-104 messages.
- Added: 25 and 50 fps HD/UHD modes now have the option of specifying output lines for teletext.

2.5.23 (2019-31-07)

- Added: now IP outputs on Dektec boards support Master Unit.
- Fixed: support of CEA-608 subtitles in some MOV files.

2.5.22 (2019-30-07)

- Added: the Break Lines option in open captioning generation settings for Playout and program channel. The feature allows disabling automatic line wrap for long lines.
- Added: the `File→Configure→Actions→Broadcast List Actions→Show Sched Time in Item Editor` option in airmgr, which activates the ScheTime editing mode by default in the StartTime playlist column.
- Added: the `File→Configure→Actions→Broadcast List Actions→Show over/under for Auto in status` option in airmgr, which activates displaying Overrun/Underrun in the Status column for elements with the Auto type of start.
- When adding media to the playlist by double clicking, the StickyColor attribute is now also transferred from Media Browser.

2.5.20 (2019-07-27)

- Added: Delete Jobs in Transfermgr now has a column with information on material deletion policies.
- Added: Transfermgr rules now have a filter of original files, which allows processing only input files with executed policies of filtering by XMP fields.
- Added: Decklink 8K PRO boards now support four simultaneous independent capture/playback channels (Decklink drivers of 11.2 version and higher are required).
- Fixed: TransferMgr work by FTP with folders containing spaces in names.
- Fixed: TransferMgr work of deletion policies by FTP. FTP does not give information on free space, so the policy of deletion by free space is not considered, if any other deletion policies are specified.
- Fixed: error in TransferMgr, which caused UI hanging while configuring Main Pool in case, if there are active tasks.

2.5.17 (2019-07-23)

- Added: TransferMgr now has an option of using the global pool of copy streams for several policies. A big number of policies may cause a situation, when even if every policy has one copy stream, the general number of streams is too large. A global pool allows using a fixed number of streams for a set of policies.
- Added: an option in database volumes, which allows deleting assets by deleting the corresponding files from a volume (by default, the asset is switched to OFFLINE, but not deleted).

2.5.15 (2019-07-19)

- Fixed: IP capture for Dektec boards and the Ethernet port.
- Fixed: WEB-UI for MAM.

2.5.14 (2019-07-18)

- Added: the server MultiViewer part now supports displaying 607/708/Teletext subtitles.
- The Clear/Upload once mode of playlists loading in the program channel now allows the user to activate reloading in case of changing the latest uploaded playlist.
- The Clear/Upload once mode of playlists loading in the program channel now allows the user to activate playlist reloading only when playback is stopped.
- When changing the main media file extension, the material will re-register in the database volume (instead of appearing the Import N suffix).

2.5.8 (2019-07-08)

- Added: when parametrizing PIP objects in graphic compositions, users can specify a list of clips for chains like "opening clip - cyclic part - closing clip".

2.5.7 (2019-07-07)

- Added: "Set logo with params" and "Set graphics with params" actions in the program channel, which allow sending parametrization for logo and graphic layers.
- Added: during auto generation of secondary events in the program channel, data from playlist columns can now be used to fill in fields of generated events.
- Added: during auto generation of secondary events in the program channel, regular expressions can now be used to test generation policies.
- Regular expressions can now be used in AirMgr for the MarkerDisplay feature that uses policies for triggering.
- Added: A default folder for recording can be set for the recording service in cases, when auto generation of folder names is turned off.

2.5.6 (2019-03-07)

- Added: Neovid logs manual stop of server software work by the user.
- Fixed: graphic layers numeration when launching graphics in program channel layers from the graphics editor.
- The maximum number of audio tracks in IPTS increased to eight.
- Fixed: default page value for the teletext descriptor in IPTS.
- Fixed: decoding 708 subtitles for some MXF files.
- Added: support of JLC Slowmo-Elite controllers by AirMgr.
- Added: a marker display in AirMgr, which allows automatic calculating the total duration of a certain type of content in every hour.
- The autoloader of program channel playlists can now use a suffix from a playlist name as the loading time value.

2.5.4 (2019-26-06)

- Fixed: configuration of external graphic stations in AirMgr playlists settings.

2.5.3 (2019-21-06)

- Fixed: Transfermgr uses the active FTP mode (PORT) instead of PASV. This requires FTP support for work, because of the NAT router, yet works much more steadily than PASV.

- Added: recsrv now allows selecting the HQ video encoding mode.

2.5.1 (2019-06-17)

- Transfer manager bug fix: when rule is set to MOVE source clip to several destinations and a clip is deleted from one of the destinations, clip is not transfered to this folder when reimport of the clip is done.
- Fix for import of the files with subtitles in conjunction with audio tracks mapping.
- EazyMuxer now can extract EPG from incoming stream and save it to a folder in a format suitable for further insertion of this EPG to output stream.
- EazyMuxer web interface now can control several EazyMuxer applications.
- Several independant EazyMuxer services now can run on a single server
- Several independant MAM web access services can run on a single server
- Subtitles (SRT/SMI/STL/TTML, 608/708, Teletext) preview is implemented in AirManager FileMonitor, Newscut, Multiscreen, AirManager ServiceMonitor.
- Adding ability to use FTP sources and destination in Transfer Manager and cpmedia.exe

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