FAB

NEW PRODUCTS AND FUNCTIONALITY 2014

- **FAB TELETEXT DATA GENERATOR FOR HD-SDI**
  - o **A low cost FT-DBR 5 version is available which is limited to 100 pages**
- **FAB TELETEXT EDITOR**
  - o **Newly developed modern Windows 7/8 compatible Teletext Editor**
  - o **Full text and graphics editing support with spell check**
  - o **Installation with MSI installer for corporate PCs**
- **FT-HT 11 HD-SDI PCI-EXPRESS CARD**
  - o **The card has a bypass relay and can be used in any PC/Server for**
  - o **Insertion of open subtitles into SD/HD-SDI**
  - o **Insertion of closed captions CEA-608 & CEA-708 into SD/HD-SDI**
  - o **Decoding of teletext subtitles from SD/HD-SDI**
- **FAB SUBTITLER**
  - o **Full support for XML subtitle files (DFXP, EBU-TT-D, Timed Text) for internet video players**
  - o **Automatic operation through watchfolder and RESTful API for conversion of subtitle files and insertion of subtitles into video files**
- **FAB SUBTITLER LIVE**
  - o **New integrated speech interface**
- **FAB SUBTITLER BCAST**
  - o **Transmission log for easy control of which subtitles were transmitted**
- **FAB TECHNICAL KNOWLEDGEBASE**

FAB TELETEXT DATA GENERATOR FOR HD-SDI

FAB Teletext Data Generator and FAB Teletext Data Bridge products are used for insertion of teletext and teletext subtitles into SDI video.
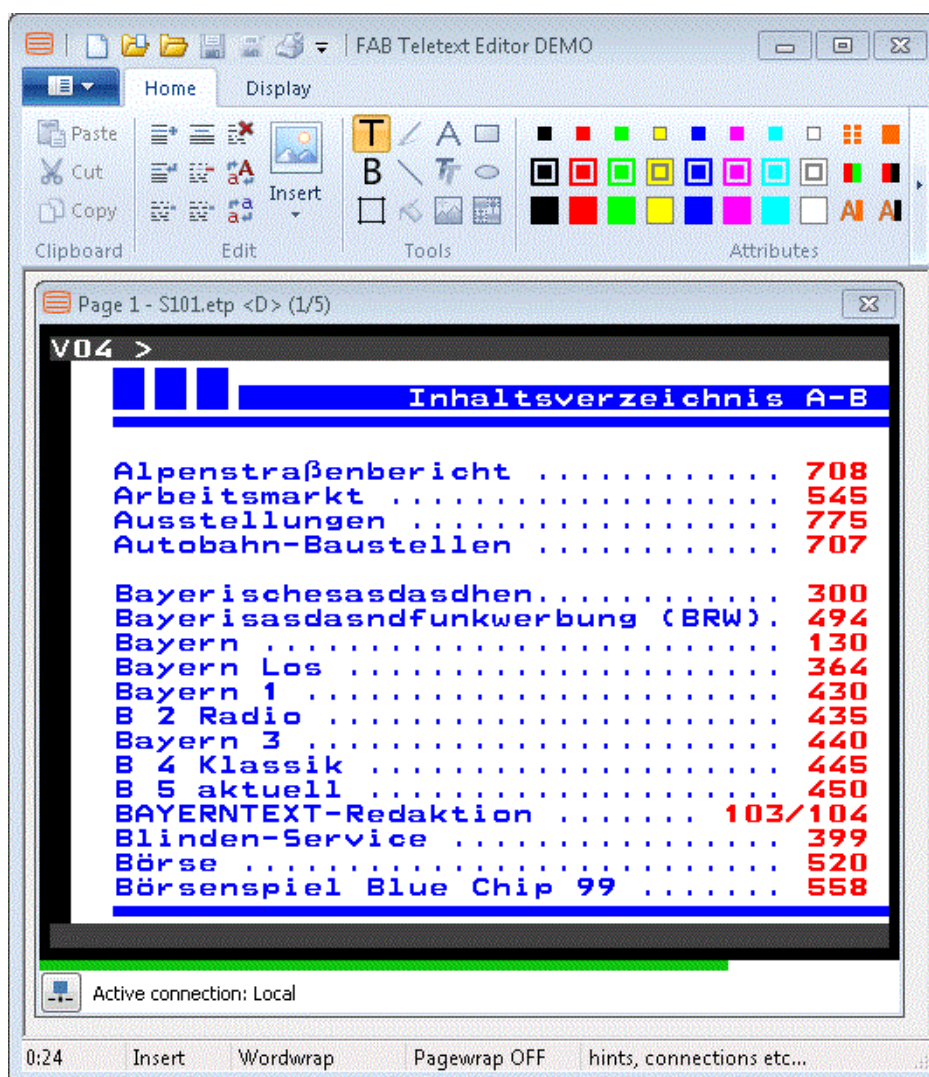
- ➢ **New versions of FAB Teletext Data Generator FT-DGS 5 and FAB Teletext Data Bridge FT-DBR 5**

- ➢ **FT-DBR 5 is functionally equal to FT-DGS 5 however only 100 teletext pages can be transmitted. An upgrade from FT-DBR 5 to FT-DGS 5 is possible at any time.**

- ➢ **Insertion of teletext data into HD-SDI and SD-SDI is supported**

- ➢ **SMPTE 2031 and OP47 standards are supported for HD-SDI**

- ➢ **Real time teletext decoding is supported for combining multiple teletext SDI sources**

- ➢ **Bypass relay is included in SDI insertion video path for broadcast applications**

- ➢ **The product is based on HP ProLiant DL360 Server with special FAB plug-in card**

- ➢ **Redundant power supply and mirrored RAID-1 hard disk are delivered as standard**

- ➢ **Compatible with older FT-DGS 4, FT-DBR 4 and FT-DGS 2.5 models**

FAB TELETEXT EDITOR FOR WINDOWS 7/8

FAB Teletext Editor has been newly developed. A modern user interface is available for easy operation by persons that are familiar with Windows 7.

- ➢ **Text and graphics editing is fully supported and spell check is included**

- ➢ **Advanced graphics editing, insertion of QR codes**

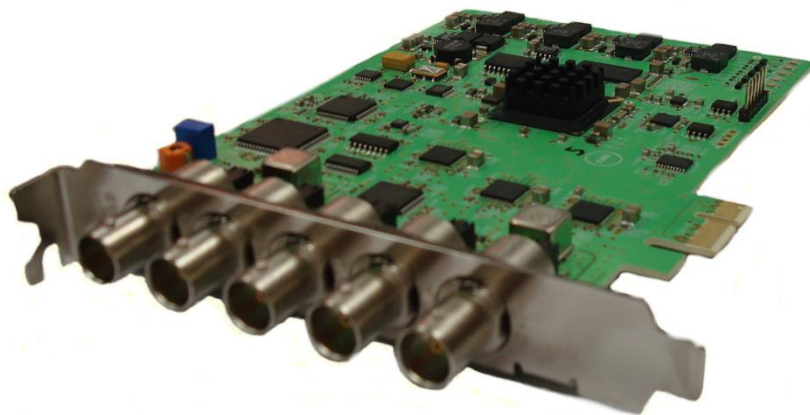- ➢ **Functionality from the previous FAB Teletext Editor is included**

FT-HT 11
HD-SDI PCI EXPRESS CARD

The new PCI-Express card has a bypass relay and can be used in any PC/Server with FAB Subtitler for

- ➢ Insertion of open subtitles into SD/HD-SDI

- ➢ Insertion of closed captions CEA-608 & CEA-708 into SD/HD-SDI

- ➢ Decoding of teletext subtitles from SD/HD-SDI (VBI / OP47 / SMPTE2031)

- ➢ 2 Video inputs and 1 video output

- ➢ Display of video on PC monitor

Multiple cards can be installed in a single PC when multiple channels are transmitted by multiple FAB Subtitler instances.

FAB SUBTITLER

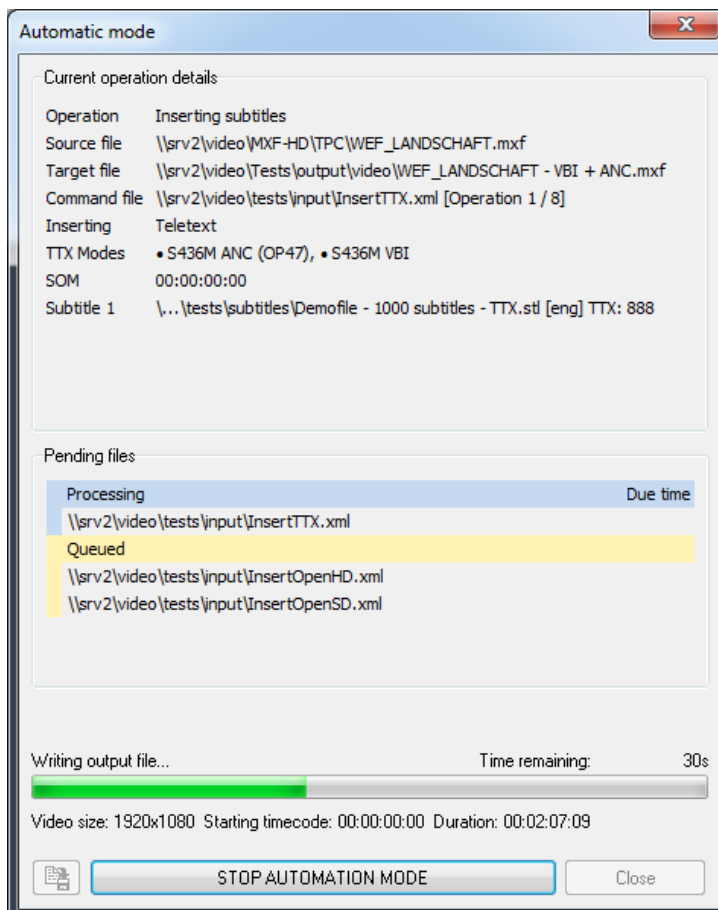## Improved playback of video files: MPEG1/2, WMV, MP4, MXF

- MPEG1 and WMV files are processed internally which results in much faster operation

- MPEG4 files with HE-AAC/v2 audio are supported

- MXF files with h264, DNxHD (VC-3), DVCPro and AAC audio codecs are supported

Teletext subtitle decoding from MXF files

- FAB Subtitler PRO/LIVE/MPEG can open HD MXF files directly and play the video and at the same time display the decoded teletext subtitles

- This functionality enables checking the presence and correctness of teletext subtitles in MXF video files

Webservice for control of insertion of subtitles into video

- A webservice can be activated so that REST API functions can be called to start the insertion of subtitles into video files

- A watchfolder operation mode can be selected so that insertion of subtitles into video files or conversion of subtitle files can be started automatically as soon as source files are present in the watchfolder
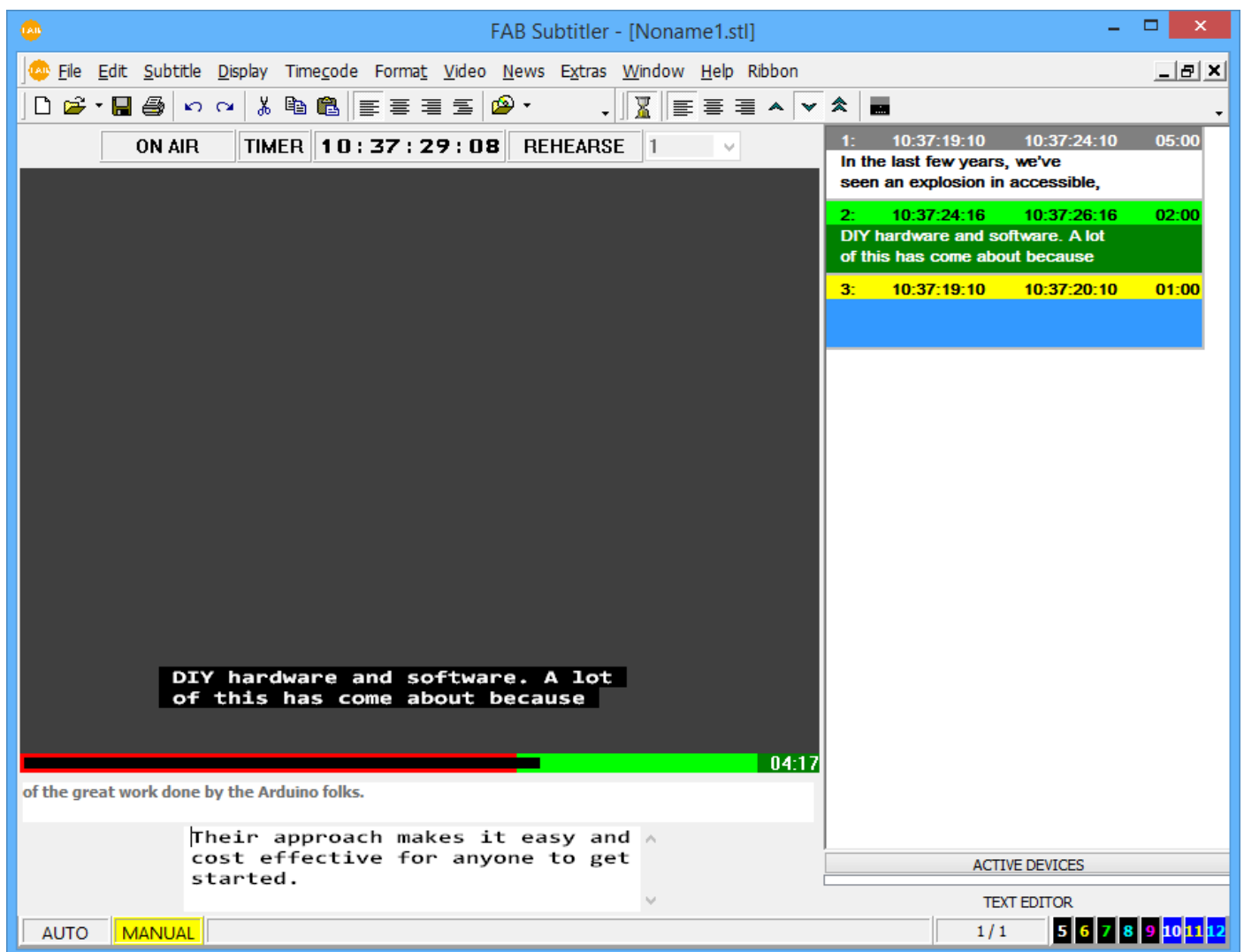
FAB SUBTITLER LIVE

New integrated speech interface (version 2)

A new interface for speech dictation is available in FAB Subtitler LIVE. The new speech interface allows dictation from any speech recognition, however it is optimized for Dragon NaturallySpeaking versions 12, 12.5 and 13.

New features and improvements when compared to the previous speech interface include:

- Simultaneous dictation and manual transmission from a subtitle file is possible

- Dictated subtitles are inserted with timecode into the currently open subtitle file

- Transmitted subtitles can be corrected and retransmitted

- Operates in Manual and Automatic modes. In the Manual mode the dictated text can be corrected before it is transmitted.

- The quality of speech recognition is improved because of a better interface to the speech recognition software

FAB SUBTITLER BCAST

Improved support for FAB FT-HT 11 PCI-Express card

- SD/HD-SDI Video can be displayed on PC monitor

- ATC timecode and teletext can be read from SD/HD-SDI video

- Main and Aux SDI inputs can be used simultaneously

- Insertion of CEA-608 and CEA-708 closed captions into SD/HD-SDI

New and improved functionality

- A transmission log file is written every day which contains information about all subtitles that were transmitted (subtitle filenames, number of subtitles, IP addresses of live subtitle sources, …)

- GPI can be used to change a configuration profile or to disable all outputs

- Automatic subtitle source priority can be defined: File / Video / Network in any order of priority

- Special actions can be defined in subtitle database record or in the file playlist.inf

FAB TECHNICAL KNOWLEDGE BASE

FAB Technical Knowledge Base page is available on FAB's website. This enables easier and faster self-service support. The content of the knowledgebase will be extended in the future.

http://www.fab-online.com/kb/sup/start.html

DETAILED LIST OF NEW AND IMPROVED FUNCTIONALITY OF FAB PRODUCTS

FAB Subtitler

- All opened subtitle files are automatically stored in the folder EditLog even when they are not saved manually. This way even subtitle files which were not saved by accident may be restored
- Starting timecode can be defined for export of multiple subtitle files
- Automatic operation through watchfolder or RESTful API is supported. Multiple watchfolders with different functionality can be configured and can be active simultaneously
- All audio tracks in video files can be selected simultaneously and switched while playing
- Audio from a TV Tuner card and a secondary audio source can be mixed and switched while playing
- Advanced audio dialog for channel selection with channel and track names
- Audio volume for video files and live video can be boosted and adjusted from the status bar
- Enhancements to automatic insertion of subtitles
    - option to delete source files
    - operation using watchfolder.xml configuration file
    - completed operations are re-run if any source file changes
    - incomplete operations can be retried and the retry count is written to the result
- Teletext lines for VBI insertion and WSS/AFD can be configured more exactly
- Improved playback and seeking performance for MPEG-1/2 PES files
- Improved video playback in virtual machines
- Improved compatibility and compliance for MXF files
- A new integrated speech interface (version 2)

FAB Subtitler LIVE

- Operation mode editor/corrector where two workstations can work at the same time is now supported. One workstation is used to enter the text. The text then appears on the second workstation where it can be corrected and transmitted.

FAB Subtitler BCAST/XCD

- A transmission log file is written every day which contains information about all subtitles that were transmitted (subtitle filenames, number of subtitles, IP addresses of live subtitle sources, …)
- Two instances of FAB Subtitler BCAST/XCD can use two SDI inputs of FT-HT 11 SDI Decoder card simultaneously on the same PC

FAB Teletext Editor

- A completely new version of the software was developed, compatible with Windows 7/8
- MSI installer is available for corporate installations
- Licensing per number of running instances is available

FAB Teletext Data Generator

- TCP/IP protocol implementation was completely rewritten
- Reinstallation of software to a new hard disk is possible from a USB stick. Necessary files are included in the software update file on FAB's website

- Typing SHUTDOWN [ENTER] on the command line shuts down the computer and makes sure that there is no visible interruption in the video signal. The bypass relay will be switched in the correct moment to avoid disturbances in the visible part of the video

FAB Teletext Data Bridge

- 100 Teletext pages can be transmitted (before only 2 teletext pages could be transmitted). The number of subpages per page is not limited.
- Up to 32 teletext subtitle pages can be used.

FAB Teletext Network Controller

- Backup ZIP files are created automatically with all configuration files every day in the folder \nc\Backup

Note: Customers with software under warranty or with a valid support contract can download the latest version of FAB Software from:

http://www.fab-online.com/fwa