



NEW PRODUCTS AND FUNCTIONS IN 2012

- **FAB TELETEXT DATA GENERATOR FOR HD-SDI**
 - Insertion of teletext into HD-SDI as OP47 and SMPTE 2031
 - Real time teletext decoding from HD-SDI as OP47 and SMPTE 2031
- **FT-HT 11 HD-SDI PCI-EXPRESS CARD**
 - The card has a bypass relay and can be used in any PC/Server 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
- **FAB SUBTITLER**
 - Insertion of teletext subtitles into HD MXF files as S436M
 - Teletext subtitle decoding from MXF files
 - Open and DVB subtitles can now have a box and a border
- **FAB SUBTITLER BCAST**
 - Multilingual transmission of teletext and DVB subtitles
 - Improved FAB Automation Protocol
 - Transmission of closed captions CEA-608 and CEA-708
- **FAB WEB ACCESS**
- **FAB SOFTWARE ASSURANCE**

For detailed information visit: www.fab-online.com

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
- 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



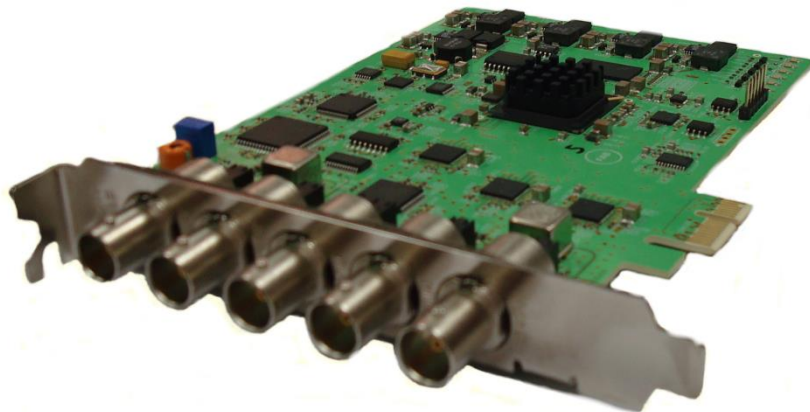
FT-HT 11

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)

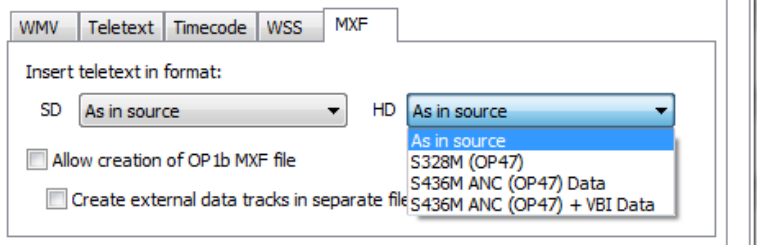
Multiple cards can be installed in a single PC when multiple channels are transmitted by multiple FAB Subtitler instances.



FAB SUBTILER

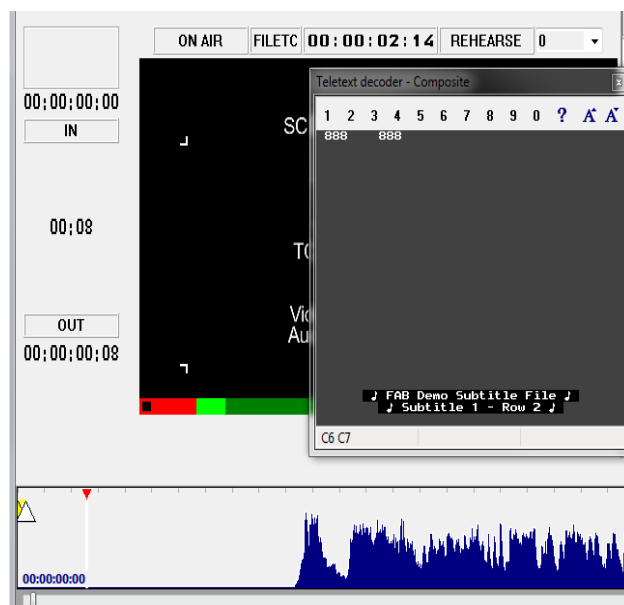
Insertion of teletext subtitles into HD MXF files as S436M

- FAB Subtiter MPEG can insert teletext subtitles into HD MXF files as a separate S436M track
- This functionality enables teletext and DVB subtitle transmission directly through a video server



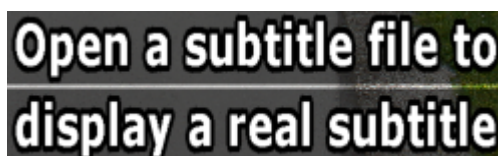
Teletext subtitle decoding from MXF files

- FAB Subtiter 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



Open and DVB subtitles can now have a box and a border

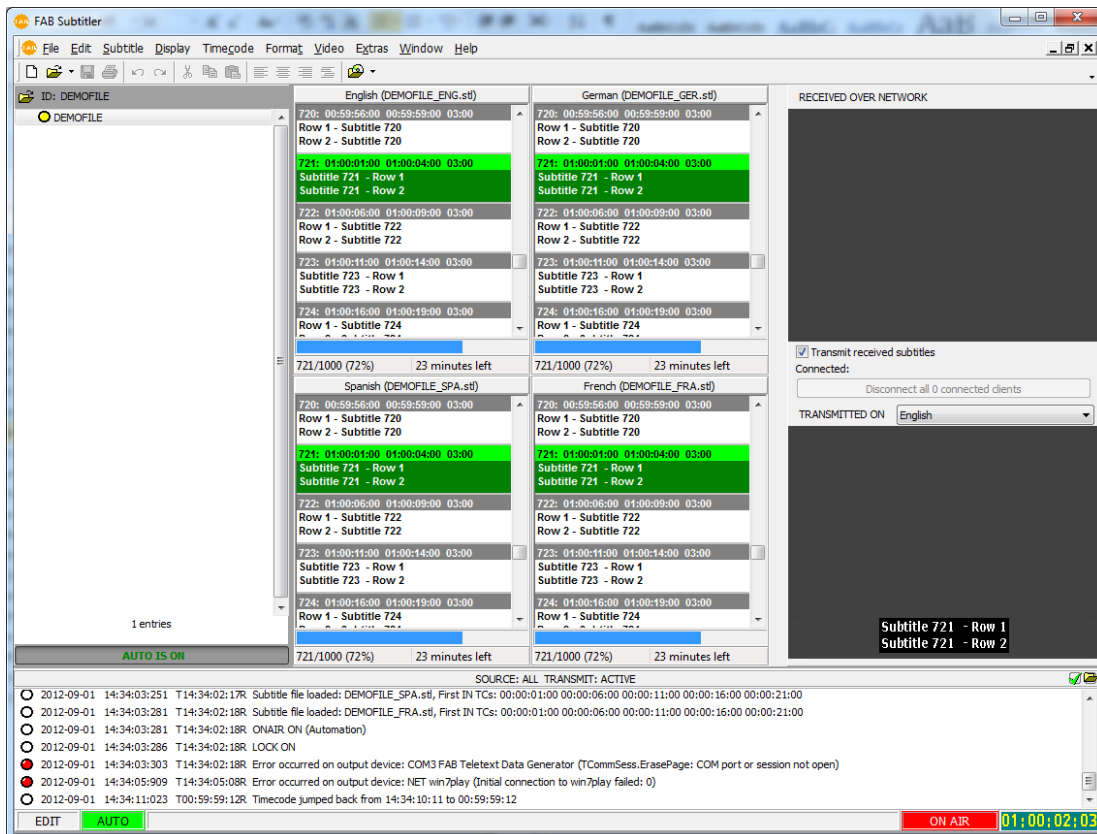
- FAB Subtiter can transmit bitmap subtitles (Open/DVB) in a box with a border surrounding the characters. It is also possible to activate multiple border colors in a single subtitle
- This functionality increases the legibility of bitmap subtitles



FAB SUBTITLER BCAST

Multilingual transmission of teletext and DVB subtitles

- A single FAB Subtitler BCAST instance can be configured to transmit multiple languages
- Files for every language must have a different suffix, i.e. ID001_GER.STL for German, ID001_ENG.stl for English, ID001_SPA.stl for Spanish
- The display is showing all transmitted languages for immediate control of transmission



Teletext Decoding for HD-SDI

- The functionality for decoding and retransmission of teletext subtitles now supports teletext decoding from HD-SDI using the standards OP47 and SMPTE 2031. The new FT-HT 11 PCI Express card is required for this functionality.

Improved FAB Automation Protocol

- Automation systems using the latest version FAB Automation Protocol can control FAB Subtitler BCAST over TCP/IP and also control which subtitle source should be used for the currently active ID: SUBTITLE FILE / NETWORK (Live Subtitling) / TELETEXT DECODER
- Aveco, Harris, Pebble Beach and Etere Automation systems have already implemented the protocol

Transmission of closed captions CEA-608 and CEA-708

- Transmission of closed captions as CEA-608 and CEA-708 is supported
- Insertion of closed captions into SD/HD-SDI is done by the new FAB FT-HT 11 PCI Express card

FAB WEB ACCESS

FAB Web Access is a browser based application where users of FAB Software can view their software licenses and download the latest versions of software.

After logging in, the user is presented with a list of registered licenses. Anyone with a valid serial number can create an account and log in on the following page:

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

The screenshot shows the 'FAB Login' page. On the left is a dark sidebar with 'Web Access' and 'FAB' logo. The main content area has a header 'Login' and a message: 'To access your software licenses and online support please login or create a new user account'. Below this are two input fields: 'Email address' and 'Password'. The 'Email address' field has a checked checkbox labeled 'remember my email address'. Below the fields are two buttons: 'Log in' and 'Forgot password'. At the bottom, there is a link 'If you do not have a user account you can create one here' and a button 'Create a new account'.

The screenshot shows the 'FAB Software licenses' page. The top header includes the 'FAB' logo, the title 'Software licenses', and the user name 'Hello, Istvan Agoston' with a 'Log out' link. A search bar contains the text 'Filter licenses' and 'Press Ctrl-F to search'. A button 'Copy all licenses to clipboard' is also present. The main area displays three license entries, each in a yellow box with a colored status icon (red X, green circle, yellow circle).
1. License 1 (Red X icon): Product name 'FT-SUBTITLER 5 MPEG FAB SUBTITLER MPEG EDITION', Serial number '3 A', Purchase date '2008-09-15', License expires on 'Never', Warranty expires on '2009-09-20', Download software 'sub5full_2009-09-09_v5-17j.exe', Password 'F W', Unlock code 'E A', Unlock code 2 'F A', Available version '5.20a / 2009-12-23', Latest software version '6.19b / 2011-08-20'.
2. License 2 (Green circle icon): Product name 'FT-SUBTITLER LIVE FAB SUBTITLER LIVE EDITION', Serial number '4 F', Purchase date '2007-08-03', License expires on 'Never', Warranty expires on '2011-09-02', Download software 'subtfull.exe', Password '9 P', Download license file 'FABLicense-4 F.pdf', Available version '6.19b / 2011-08-20', Latest software version '6.19b / 2011-08-20'.
3. License 3 (Yellow circle icon): Product name 'FT-DVB FAB NFR (Not For Resale) Demo License', Serial number '4 2', Purchase date '2010-02-22', License expires on '2011-11-23', Warranty expires on '2011-11-23', Download software 'fabdvbinterface.exe', Password 'H m', Download license file 'FABLicense-4 2.pdf', Available version '2.22c / 2011-08-23', Latest software version '2.22c / 2011-08-23'.
At the bottom, there is a form to 'Add a new license to the list' with a 'serial number' input field and an 'Add' button.

FAB SOFTWARE ASSURANCE

FAB Software Assurance is a new product available for all FAB subtitling software products.

- FAB software is improved constantly and adapted to new hardware, Windows versions, file formats, protocols and other new developments
- FAB Software Assurance includes Extension of warranty for additional 12 months at an attractive price
- Is much less expensive than buying a software update
- Includes technical support and all (major and minor) software updates
- The software assurance is only available up to 6 months after end of previous warranty. If not bought within this period it is necessary to buy a complete software update which is considerably more expensive

DETAILED LIST OF NEW AND IMPROVED FUNCTIONALITY OF FAB PRODUCTS

FAB Subtitler

- Improved video playback over network
- Generation of subtitle bitmaps is using multiple CPU cores and is about 4 times faster
- Import from TimedText DFXP XML format
- Reading and display of audio graph is faster
- Scene change images are read faster from video
- Video rendering uses less CPU
- Improved video playback when spell check is turned on
- Support for playback of v210, DNxHD (VC-3) and ProRes video in MP4 files
- Support for playback of JPEG2000 video in MXF Files
- Improved support for inserting subtitles to MXF Files (S328M, S436M, Omneon, VBI)
- Support for OP1b MXF files
- Reading and playback of external essences
- Writing of multiple S436M (ANC + VBI) tracks; tracks can be external
- Improved image quality when inserting open subtitles over interlaced video
- Teletext can be decoded from MXF files (S328M, S436M, Omneon, VBI)
- Subtitles can be transmitted as ClosedCaptions
- Native CEA-608 over serial port or using FT-HT11 card
- Native CEA-708 using FT-HT11 card
- 3D depth can be adjusted for multiple subtitles
- 3D depth is displayed on-screen
- 3D output can be displayed on Decklink cards
- Progress of long running operations is displayed in Windows 7 Taskbar
- The file COMMAND.TXT can contain the name of the FCF configuration file that should be used when controlling insertion of subtitles into video files through a command file
- Transmission of word-by-word DVB subtitles is supported for many DVB subtitling standard compliant receivers
- DVB transmission supports separate input and output interface

FAB Media Converter

- Improved support for input file formats
- Improved support for irregular sized video
- Image quality is improved for most video files
- Convert progress is displayed in Windows 7 Taskbar
- Sends email notifications on successful and unsuccessful conversion
- Multiple Media Converters can run simultaneously on one computer processing the same input folder

FAB DVB Interface

- Improved IP streaming support
- Separated configuration for reception and transmission
- Support for receive-only IP interfaces
- Output mirroring is supported on all interfaces
- Input on an interface can be mirrored to an IP address
- Implemented PID remapping
- Simplified Logging configuration
- Supports Subtitler BCAST configurations with different input and output interface
- Added support for SDT tables with more than nine programs
- Reduced memory usage
- Faster operation

FAB Subtitle Database

- Improved support for non-latin scripts
- More responsive user interface during lengthy operations
- Faster import from network drives
- Supports multilingual Subtitler BCAST mode
- Video files can be attached to playlist entries.