

REAL-TIME TV GRAPHICS FOR NEWS BROADCASTING IN SD, HD and 4K.

Graphics workstation EXPRESS-TITLES is using for template creation for graphics and information broadcasting: TV news, live broadcasting, broadcasting for 4K videowalls, weather forecasts, etc.



MAIN CAPABILITIES

- Creating and editing of database on different sections: cities, studio guests, exchange rates, weather, etc.
- Import data into database from official sources (NEWSROOM, data system, external database, Internet, etc).
- Creating and editing of graphics templates for TV broadcasting.
- Real-time creating and playback of 2D compositions.
- GUI customization (graphic control interface): distribution of control buttons into logic groups, adjustment of their position, size and color.
- Autofill of graphics compositions from the database.
- SD, HD and 4K formats.

ADDITIONAL CAPABILITIES

- «Picture-In-Picture» «live» video window.
- Support of MOS-protocol and XML data format.
- Output to the air up to three news crawls.
- Integration with automation systems.
- Spell checking in Database.
- Digital clocks and countdown timer up to next event.
- TimeLine for editing in/out effects of graphics composition.
- Unicode support for text encoding and representation.
- Real-time connection to on-line services Yandex. Probki, Yandex. Weather, Currency exchange rates, News, etc.
- SMS and phone voting system with diagram results playback to the air.
- GPI and VBI STCE104 commands for control of TV news graphics playback.
- Remote control unit (RCU) for reactive playback of TV news graphic.
- Jingle player with synchro-start of titles and graphics compositions, audio mixing.

GRAPHICS WORKSTATION EXPRESS-TITLES

Control panel

Elements field from the Database.

Comfortable GUI (graphic control interface), customization of control buttons position, size, color, «hide» buttons function.

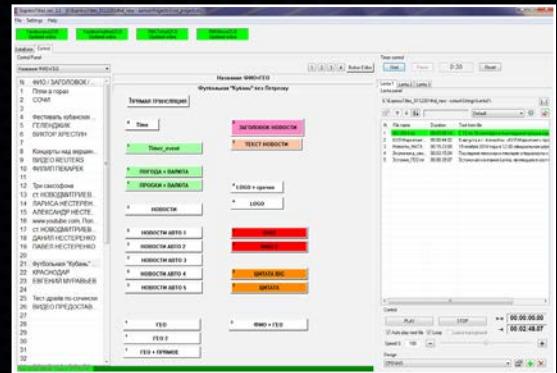
Control panel of a countdown timer.

Player of graphics compositions.

Crawl and News ticker control panel.

Indication of connecting to on-line services.

Indication of CPU loading.

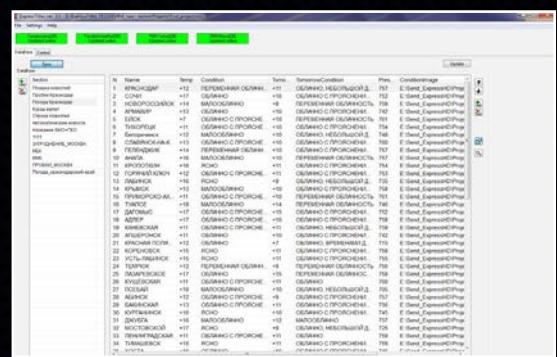


Database

DataBase on different sections, allows to add necessary amount of rows and columns to table and to format table information, using text and graphics data.

Database storage in *.xls format.

Spell checking (support of a lot of dictionaries with possibility of adding new words).



Graphics template designer

TimeLine - editing in/out effects of graphics composition.

Multilayer composing. Alpha-channel graphics (control from 0 to 255 for every graphic layer).

Adding to composition text, image, animation, colored rectangle, element «ticker», «Picture-In-picture» «live» video window.

Countdown timer, local time, xml-import.

2D in/out effects, time delay, crawl speed.



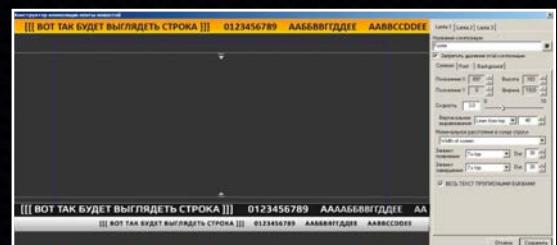
Crawl editor

Data xml-import of weather, news, traffic, other.

Editing of crawl playback: position, speed, in/out effects, vertical text/image alignment.

Editing of text parameters.

Adding of background from animation, image or colored rectangle.



- **AUTOMATION-PROXY** program option.

Control of graphics composition output by broadcast automation systems Harris, AVECO, Pebble Beach, etc, through Chyron Intelligent Interface (CII), Oxtel, MOS, etc.

- **DB-PROXY** program option.

Provides integration with external databases, located on NAS.

- **VOTING-PROXY** program option.

Provides integration with systems of collecting statistics data (phone/sms voting).

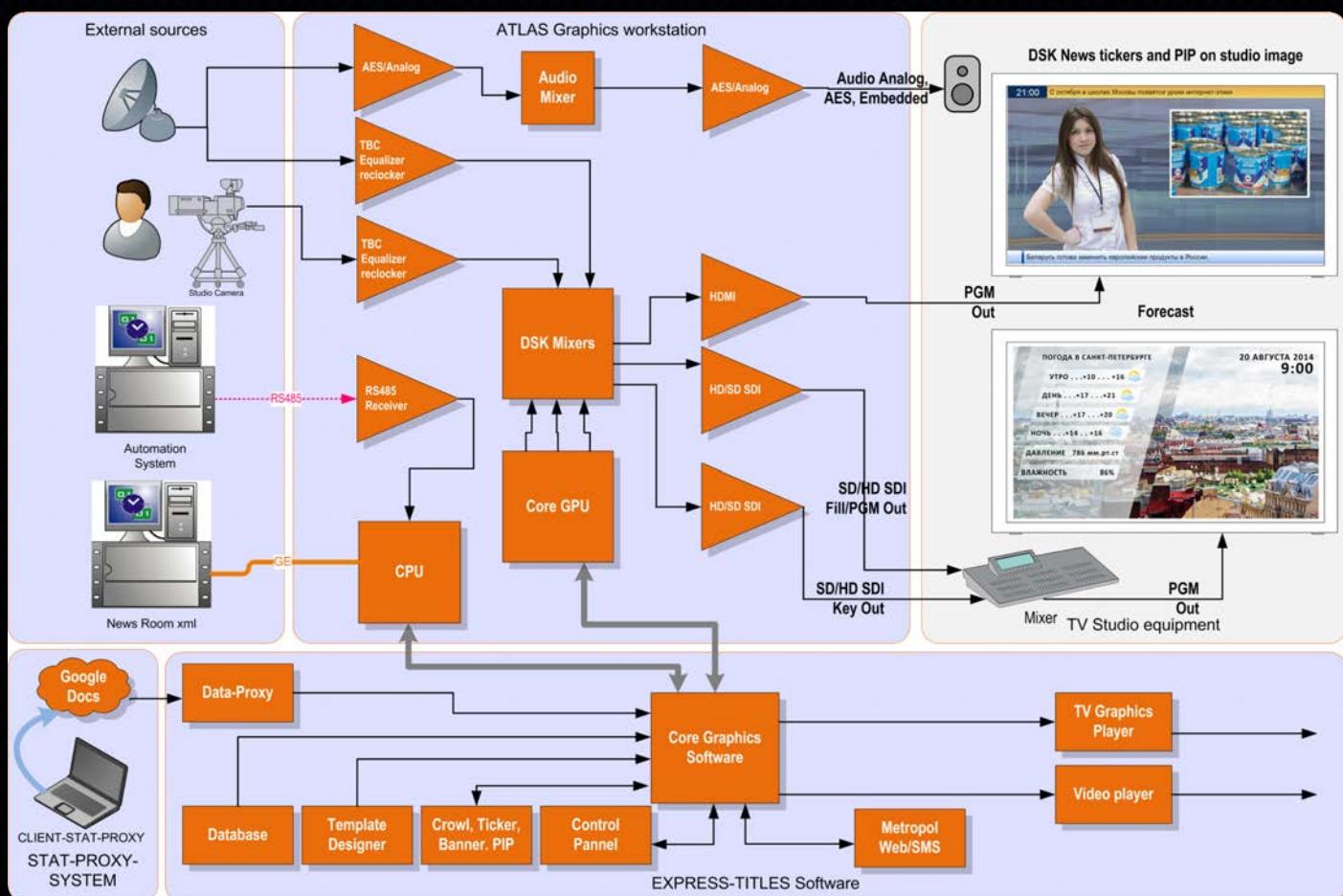
- **VANC-READER** program option.

Provides automatic control of graphics composition playback on the air on VBI SCTE104 commands.

- «**Picture-In-Picture**» program option.

Provides «Picture-In-Picture» effect: forms several scale «live» video windows. Multi codecs.

EXPRESS-TITLES WORKSTATION STRUCTURE



TECHNICAL SPECIFICATION

Graphics workstation «ATLAS»: Windows 7 Pro 64-bit Intel Core i7 / RAM16Gb / 2xHDD (System, RAID 1), 2xHDD (Graphics, RAID 0) / RJ45 1GbE / GPU NVIDIA reinforced / Interfaces - GPI, LTC, RS232/422/485 / Hot Swap PSU.

Video interfaces: BM DeckLink 4K Extreme | BM UltraStudio 4K | Matrox | AJA for connection to Air studio and OBVan. Graphics output in the TV standard (Fill&Key signals).

Supported standards: SD - 625/50 | HD - 1080/50i, 1080/60i, 1080/25p, 720/50p, 720/60p, 1080/50p | 4K (4x1080/50p) | HDMI.

Input video signals. PGM In: SD-SDI - SMPTE 259M, HD-SDI - SMPTE 292M, Sync Black Burst PAL, Tri-Level Sync.

Output video signals. Fill, Key, PGM Out: 2xSD-SDI - SMPTE 259M, 2xHD-SDI - SMPTE 292M, HDMI.

Audio interfaces: Analog balanced (XLR) and digital (Embedded, AES) stereo - input and output.

Relay bypass.

Dimensions: 4RU 440 x 176 x 500, 20 kg.

2RU 440 x 88 x 710, 25 kg.

Notebook + SDI interfaces unit, 8 kg.

EXAMPLES



REAL USERS OF EXPRESS-TITLES STATION

