

TV CLOCK GENERATOR IN SD AND HD FORMATS



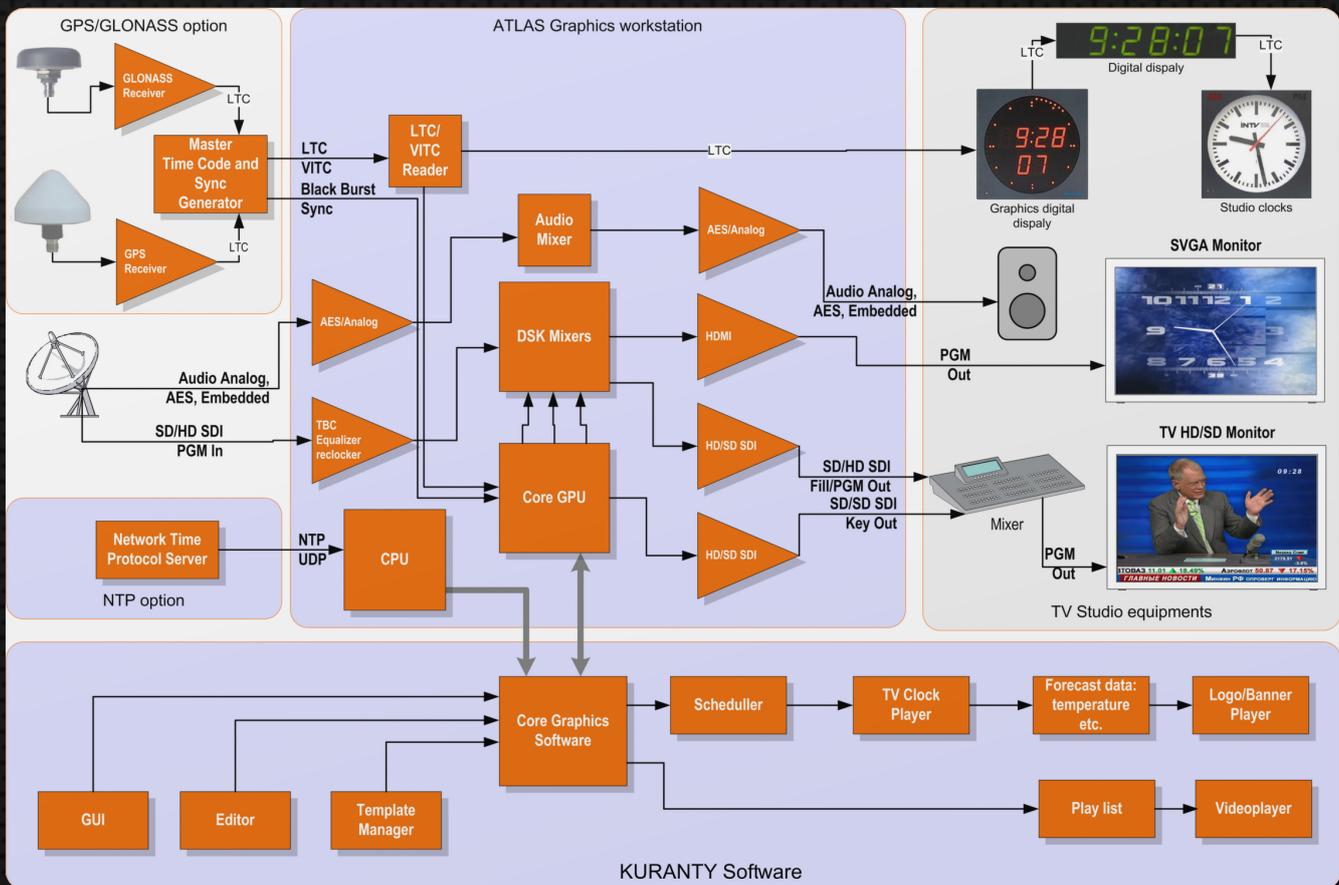
MAIN CAPABILITIES

- Real time TV clock graphics rendering.
- Time code synchronization to GLONASS and GPS reference signals, NTP for synchronization over network.
- LTC and VITC input interfaces.
- Slim case RACK 2U.
- Creating, editing and playback of 3 clock types: analog, digital and graphic clocks. Possibility of selecting time zone and manual time shifting for PC clock reference compensation.
- Possibility of using in a TV template several clocks, adjusted to different time zones.
- Schedule of TV clocks compositions..
- Function «Calendar»: data output on [DD:MM:YY] format.
- Playback of full screen background (generated from TGA files or AVI video clips), synchronized with sound.
- Possibility of using external video mixing (Fill&Key signals) and internal video mixing («transit»).
- SD and HD formats.

SPECIFICATIONS

- ATLAS workstation: Windows 7 Professional 64-bit Intel Core i7, 16 GB, Interfaces - LTC, VITC, NTP.
- Video interfaces: BM DeckLink 4K Extreme, BM DeckLink SDI 4K.
- Basic software KURANTY for creating and playback on air multilayer graphic compositions, synchronized to GLONASS and GPS signals.
- Embedded DSK keyer for superimposing clocks templates to PGM signals.
- Player of clocks templates on schedule (option).
- On-screen preview of clocks composition.
- Graphics library: arrows, clock faces, background, sound.
- Indication of CPU loading.
- Countdown timer in format [DD:HH:MM:SS] (option).
- Banners player (option).
- EXPRESS-VIDEO - player of branding video clips (option).
- Time code reader.
- Master Time Code generation (option).

KURANTY WORKSTATION STRUCTURE



TECHNICAL SPECIFICATIONS

Supported standards: SD - 625i, 525i / HD - 1080i 50, 1080p 25.

System configuration: SDI video interface with embedded 10-bit DSK, PC Win'7 64, i7/ RAM16GB / HDD System / RAID / RJ45 1GbE / LTC time code reader / Hot Swap PSU.

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: 2 SD/HD-SDI - SMPTE 259M or 292M, HDMI.

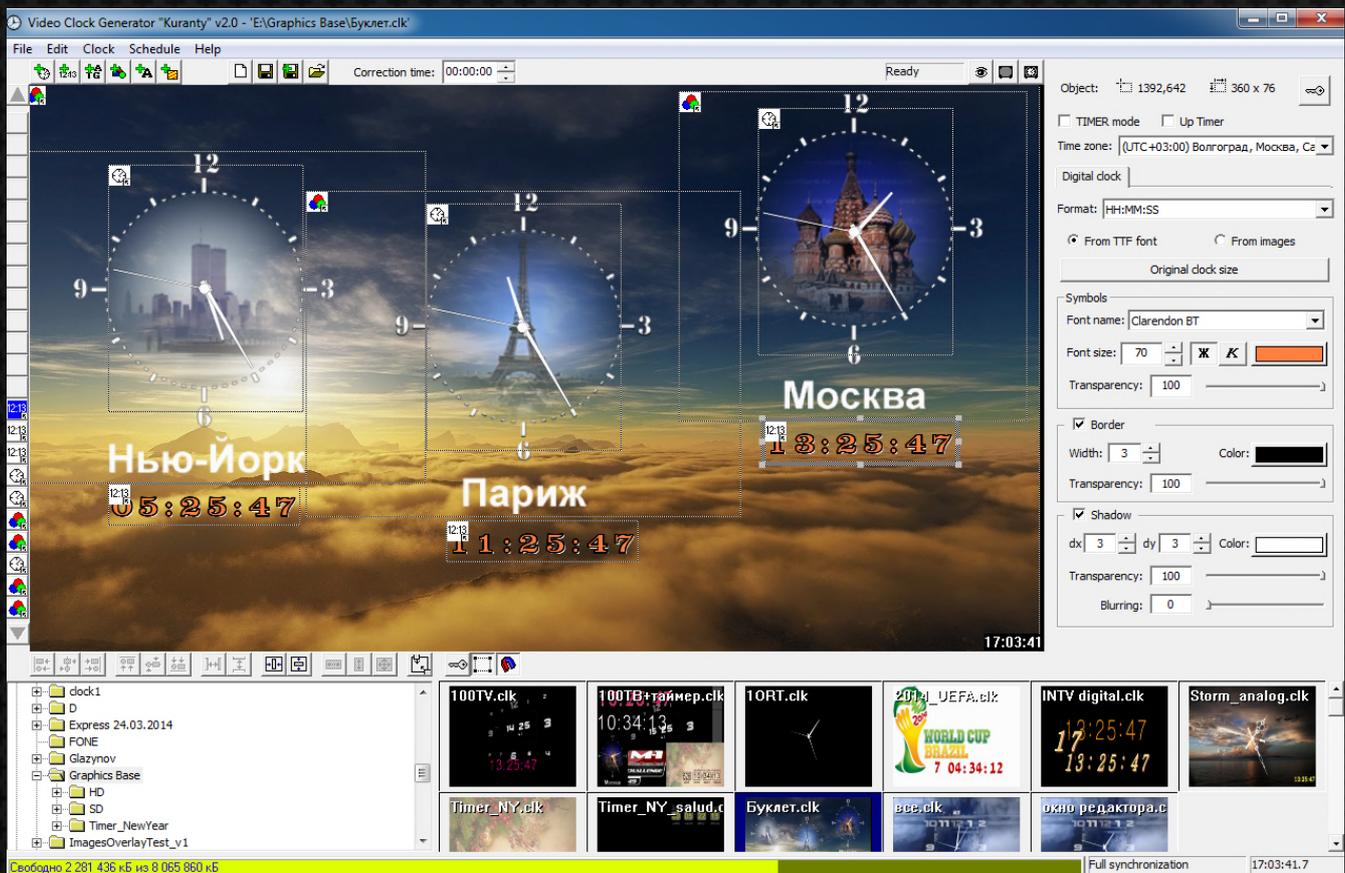
Audio interface: Analog balanced (XLR) and digital (Embedded, AES) stereo - input and output.

Time code: LTC and VITC inputs.

Dimensions: 2RU 440 x 90 x 600;
3RU 440 x 135 x 550.

Weight: 20 kg.

PROGRAM INTERFACE



- main menu of program,
- editor window,
- menu of current project elements (at the left),
- menu of element setting (at the right),
- clock templates manager,
- indication of CPU loading.

EXAMPLES



Example №1.

100TV Channel TV clock project.
Analog and digital clocks.
Animated background.
Synchronized sound.
HD format.



Example №2.

Analog TV clocks.
Animated background.
Synchronized sound.
HD format.



Example №3.

Countdown timer in [DD:HH:MM:SS]
format.
Animated background.
Synchronized sound.
HD format.

REAL USERS OF SOFTWARE KURANTY



197101, Russia, Saint-Petersburg, 10 Kamennoostrovsky prospect, 30-N,
+7(812) 922-37-92 info@intvco.ru www.intvco.com