

GRANIT

RECORDING AND PLAYBACK SYSTEM

GRANIT recording and playback system is designed for continuous recording of voice, radar, direction finding, flight plan data, weather information, consoles operations, video flows from IP cameras and workstation displays. This enables live monitoring in ATC systems at civil aviation units and other entities.

The hallmark of GRANIT Recorder is the capability of simultaneous playback of all the data received from selected sources in coupled mode at one workstation with reference to a single timescale. This enables operator to find out appropriate information quickly and playback it.

FUNCTIONALITIES

GRANIT system provides:

- Recording of various types of data:
 - voice on digital and analog communication channels
 - VoIP data
 - surveillance data (PSR, SSR, MLAT, ADS)
 - direction finding data
 - ATC system data (FPL, weather, controller actions, conflicts and potential conflicts logs, other logs, technical control and monitoring, etc.)
 - information from IP-cameras
 - workstation displays images
- 100% backup for hardware and recorded data
- data storage for the monitored period (30 days minimum) at internal drives and removable storage devices
- capture and export of fragments for preset period to external media
- data export to standard audio and video formats (WAW, AVI, etc.)

STRUCTURE

Recording hardware including:

- data and voice recording modules (100% backup)
- recording modules for workstation display images
- recording modules for information from IP-cameras

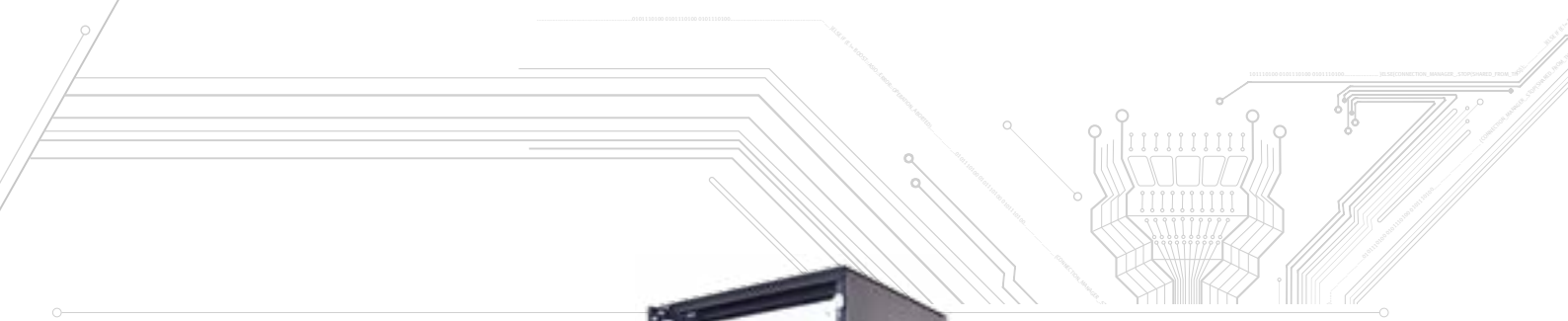
Playback hardware:

- Decoding workstation

Technical control and monitoring:

- recording remote control workstation
- remote alarm panel

IP-cameras



Availability and number of recording modules and various workstations depend on supply package based on volume and contents of data to be registered.

The system architecture enables any scale of the system to be arranged depending on tasks from small (up to 8 voice channels) to large-scale projects (1000 and more data streams of various types). GRANIT recording system installed in Moscow ATC center is one of the largest in Europe.

