

Recorder VRS800S

// Recording Solutions

SITTI VRS800S is a flexible recording and replay system which can adapt to many different fields of activity.

It is primarily designed for Air Traffic Control recording, but the openness of its architecture makes it a perfect solution for call recording in fire brigades, police and any call centres.

With **scalability** in mind, it was designed so that the recording infrastructure can easily be expanded, by adding new Recorders to the infrastructure or new input channels to existing Recorders.

The intrinsic **flexibility** that the system benefits from the use of a non-relational database greatly simplifies the implementation and the integration of new interfaces to customer-specific data sources.



The use of a web-based client for the **evaluation** and **the replay** of recorded data reduces to a minimum the administration and the maintenance of client workstations.

All SITTI designs comply with the requirements of the International Aviation Organizations Organism (ICAO) Annex 11 and 13, EUROCONTROL, as well as EUROCAE ED-111.

SITTI co-operates with these Institutes participating in the continued workshops for the new standard developments.

All SITTI production and associated activities are carried out in accordance with the recommendations, control and regulations applicable for **ISO9001:2015**, **ISO 14001:2015** and **ISO 27001:2013**.

Architecture

SITTI **VRS800S** is designed as a modular system centred around a main Recorder application interconnected with a number of external source data acquisition applications (SAI). The SAIs are specialized for the dialog with data sources, the formatting and the transfer to the Recorder of the various types of received data, for example analogue and TDM audio, ED-137, RTP, etc.

Being independent applications, the SAIs can be located on the same server as the Recorder application, on separate platforms, or on specialized SITTI Blade Boards. An advantage is that when required, SAIs can be located closer to data sources in the network infrastructure, or even in another location.

The Recorder is designed as an open and multiplatform application. It works on Microsoft Windows 10, or Windows Server, as well as on Linux, and it relies on state-of-the-art design principles and well-established standards.

The application is based on a core component and a set of loadable modules which are dedicated to specific tasks, for example the reception of SAI data, the storage of the records, database interfaces and the services to be provided to 3rd parties, for example for the replay.

Relying on "NoSQL" database technology, which is more flexible than traditional relational databases, makes the Recorder very open to virtually any kind of customer metadata, from simple key-value pairs to complex data structures from different sources with different sets of metadata.



With reliability, robustness and availability in mind, **SITTI VRS800S** was designed to accommodate many redundancy and load sharing strategies. The system is designed to work continuously, with minimal downtime.

Evaluation and replay of the records are carried out using a **Web-Based Graphical User Interface** which is provided by the Recorder as a service. There is no need of a dedicated application on client computers, Users can connect to any Recorder through the network and using their web browser and login credentials.

// Interfaces

- Analogue with VAD/VOX
- Ambient noise recording
- E1 2MB links
- VoIP ED137; RTP; SIP
- Synchronized replay with 3rd parties (ATM Radars, Emergency replay systems, etc.)
- Time Synchronization (NTP, Master Clock, etc.)
- Replay / Configuration / Evaluation via LAN or WEBGUI

// Features & Key Points

- Flexible User Management with different password policies
- Personalized Dashboards & Themes by user
- ++ 1000 channels recording per platform
- Alarm & Monitoring (SNMP v1, v2c, v3)
- Playback Speed Control with no voice alteration
- AGC / Manual Gain
- Statistics
- Impound data
- Automatic Backup Archiving on removable media and NAS
- Encryption (SSL/TLS)
- Export
- Very low CPU usage
- Live play
- Search Criteria (time, duration, channel, metadata, etc.)
- Emails
- LDAP
- Virtual channels

VRS800S, YOUR TURN KEY RECORDING SOLUTION.

