



ELETTA
S U I T E

ElettraSuite Recorder Unit

DESCRIPTION

The new SELEX Communications **ElettraSuite Recorder Unit** combines a user friendly design approach with competitive Professional Mobile Radio features.

Based on the most modern technologies it ensures the highest level of security on sensitive access, taking care of voice communications recording.

Scalability and reliability are provided by a modular approach, letting you to decide storage type and capacity as well as hardware performances.

It is the ElettraSuite solution for safety storing, managing and analyzing traffic (both voice and data) in a TETRA network, working on all our platforms.

The system is based on client-server architecture: the centralized recording system is connected through dedicated gateways to each TETRA network switch, collecting and locally recording data and voice.

Despite of TETRA advanced encryption mechanisms improved on the network, the recording station may be considered as a security threat and a potential weakness point.

For this reason we are paying particular attention on how data are managed, and how a user can get access to stored data.

To prevent any unauthorized access, all data recorded may be encrypted also when stored on cd/dvd supports.

Operators' replay stations, based on standard Windows PC, can be connected to the main centralized recording system to support playback and offline analysis.

Replay stations can be locally or remotely deployed wherever a data connection with suitable bandwidth is available; any kind of wired or wireless media is supported (xDSL, leased line, ISDN, Wi-Fi, WiMax).

An overlay VPN network is built on top of the data link to make the connection secure.

In each replay station several profiles (associated to different hierarchy levels) can be configured: this allows any operator to gain access for just a subset.

Only the supervisor has a complete access to databases: this mechanism guarantees complete system traceability.

Operators at the replay station can listen in real time individual and group calls and search a recorded data based on different criteria.

Up to twenty simultaneous replay stations can be managed by the system.

A supervision mechanism is used for process monitoring and hardware/software faults alerting.

TECHNICAL CHARACTERISTIC

In terms of HW configuration, the centralized recording system is hosted in one single cabinet and it is composed of:

- One recorder station, able to manage up to 4 E1 PRI.
- Up to 640 TETRA channels supported
- One administrative Server.
- One RAID storage system (NAS) with Serial ATA disks, configurable with suitable capacity. In typical storage system configuration, 100,000 recorded hours are guaranteed.
- Optional S-AIT storage system, to further expand the storage capacity (each tape has 480GB of storage capacity).

TECHNICAL DATA

Physical

Overall Dimension (W×H×D) [cm]:	700 × 1200 × 800
Weight [kg]:	150

Primary power supply requirements

Power supply:	100 V- 240 V (50 - 60 Hz)
Power consumption:	270 W
Power consumption (running mode):	1200 W

Environmental conditions

Operating Temperature:	5-30 °C
Product Safety and Ergonomic:	IEC 60950 • EN 60950 • UL 60950 3a Ed., CAN/CSA-C22.2 No. 60950 3a. Ed.
Electromagnetic Compatibility:	FCC classe A • VCCI classe A • AS/NZS 3548 classe A • CNS 13438 • 89/336/CEE
Installation:	In 19" standard rack



Recording dispatcher station



Server rack system element