MEMBER OF CSG aerospace

ReDAT

ReDAT 5 Recording Unit

A complex recording device for recording of analogue, digital and IP telephony, PC screens, HID channels and data communication.

The device is intended for recording, archiving, viewing and playback of audio records, video and other communication data. The modular concept of the system enables the recording of various types of data according to the installed HW and SW modules.

RETIA

retia.eu redat.eu

RETIA, a.s. | Pražská 341 | 530 02 Pardubice | Czech Republic | +420 466 852 531 | redat@retia.cz

KEY FEATURES

The new generation of recording unit offers:

- operating system Linux
- All-in-One Solution - recording device together with the application platform in one device
- web server for recording management in “basic package”
- SW level modularity
- HW platform variability
- elimination of installed LAN Client application
- above-standard system security
- easy solution of service requirements
- easy system upgrades and extensions
- extension of the technology of automatic installation and management of the operating system

Other features:

- automatic reliable and stable voice, screen and data recording
- 365/7/24 operation
- various levels of user access rights
- modular and scalable
- secure data storage
- remote access for sort, search, filter, download, playback, etc.
- remote configuration
- administrative and configuration functions accessible locally and remotely via LAN/WAN

DEVICE SPECIFICATIONS

- support of multiple HW platforms
- Client-Server architecture system
- possibility of archiving to removable media
- redundant solution supported
- acoustic and visual alarms
- integration to LAN/WAN networks
- possibility of thousands of voice channels configuration, simultaneous recording of hundreds of channel
- supported codecs: G.711, G.723, G.729, G.722, iLBC
- supported audio compressions: WAV, MP3, RAW
- IP telephony supported protocols: SIP, SIPREC, RTSP, RTP, H.323, MGCP and proprietary protocols
- various methods of records triggering
- mono/stereo recording
- time synchronization support (GPS, NTP, etc.)
- automatic balancing of recording level (AVC)
- support of statistics and system diagnostics
- availability of ReDAT eXperience Application Platform functionality

DESIGN

ReDAT5 Recording Unit provides a wide variability of possible HW sets and functions for recording audio-video-data communication. Depending on customer requirements, ReDAT5 Recording Unit is always configured to connect specific recording sources. Using the components allow users to gradually expand the system.

SUPPORTED INTERFACES

ANALOG INTERFACE

- analog telephone lines, GSM gateways with an analogue interface, audio outputs of radio sets, microphones, VCS analogue outputs and different sources of analogue audio signals
- **support of signalling:**
  - “In-band” tone detectors, FSK detectors, pulse choice
  - ringing detection, on/off connection detection

IP TELEPHONY AND TCP/IP INTERFACE

- recording via an Eth. interface
- IP phones, VCS/GRS systems (active/passive)
- screens (intrusive/non-intrusive way)
- radar and flight data (multicast/unicast)
- data-link, HID channels
- CCTV
- additional (signaling) information from CTI servers
- other Ethernet data

DIGITAL INTERFACE

- digital phones of the PBX manufacturers with proprietary Up0 interface (Unify, Ericsson, Alcatel-Lucent, Bosch, Matra, Panasonic, etc.) and DECT stations
- Euro ISDN S0 interface, ISDN phones
- GSM gateways with ISDN interface
- G.703/G.704 interface (PCM 2Mbit/s), including serial data flow
- E1 trunks between PBX and PSTN (ISDN30, ISDN PRI, ISDN BRI)
- GSM-R recording at the interface between MSC and BSC
- trading and VCS systems with E1 interface
- **support of signalling:**
  - ISDN digital
  - proprietary protocols of selected PBX manufacturers

ReDAT Recording Systems, a business division of RETIA, a.s., which provides a sophisticated system for recording voice, screen and other relevant data. The system automatically analyzes the data to make it available to system users in a clear and structured way.

RETIA, a.s. is a Czech company based in Pardubice, founded in 1993. It develops, manufactures and modernizes radars, command and control systems, UWB localization and communication systems and ReDAT Recording Systems.

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