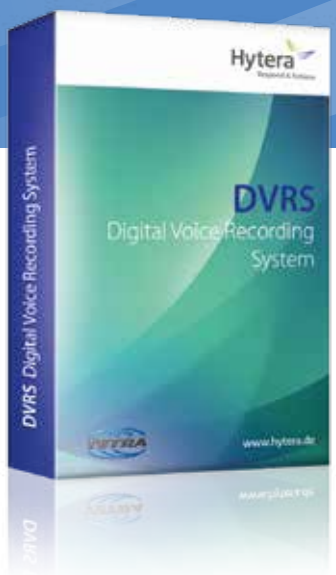
Hytera
Respond & Achieve

# DVRS

## Professional TETRA voice recorder system




DVRS (Digital Voice Recording System) is a professional voice recording solution made by Hytera for the TETRA mobile radio system ACCESSNET®-T IP. The DVRS records several calls simultaneously in the mobile radio system in order to log them and permanently retain them for subsequent analysis. In addition, all short messages can be permanently saved in the system.

TETRA

www.hytera-mobilfunk.com

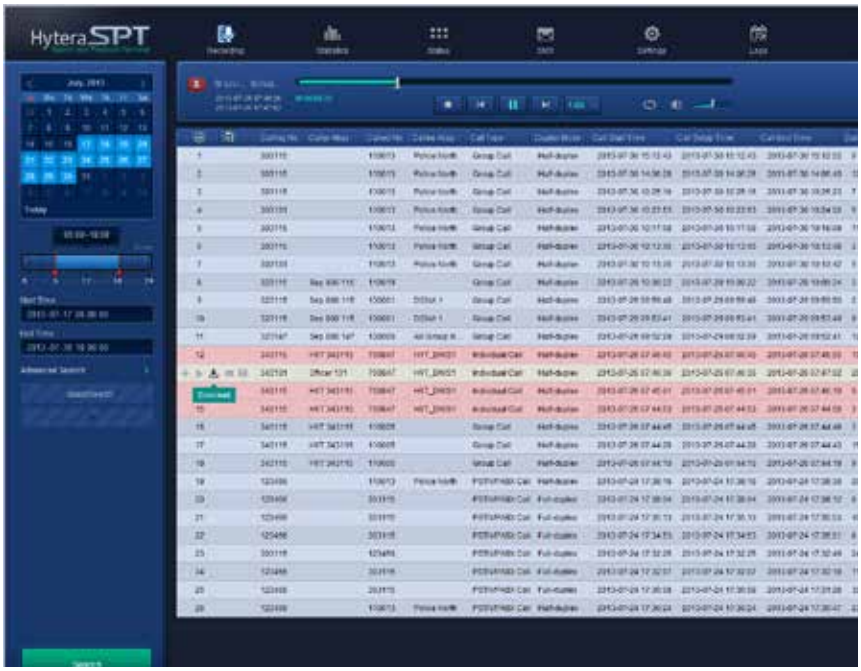
# Voice Recorder

## DVRS

**Professional TETRA voice recorder system**

TETRA users expect reliability from their mobile radio system to be able to respond quickly and without delay, particularly in critical situations. For this reason, the use of a voice recorder is indispensable whenever the point is to analyse complex applications in retrospect or simply to log the voice and message communication of radio subscribers.

Due to comprehensive functions, the voice-recorder system DVRS permits network operators of the ACCESSNET®-T IP TETRA system of Hytera not only to record and play back voice communication in high quality but also to evaluate and analyse it for statistical purposes.




### Recording in high voice quality

The integrated TETRA vocoder ensures that all calls can be stored in the usual TETRA quality with zero losses. Upon demand, all the recordings can be exported to any data carrier and stored in a redundant way.

### Flexible access

DVRS permits flexible access over an Internet browser to data stored centrally. Hence, the recorded data can be accessed reliably via the Internet at any time if required.

### High security

To ensure that your recordings are secure, all users must log on using a user name and a password, before you can use the DVRS client. The web service can be installed on a separate server hardware to enable secure access over the Internet.

### System stability through redundancy

The DVRS server can be redundantly operated for maximum system stability. While the primary server is active, the recordings are redundantly stored on the hard disks of the standby server. If the primary server malfunctions, the system switches automatically to the backup server. Each DVRS server is equipped with its own hard disk RAID system to ensure redundant storage of the data here, too.

### Versatile playback functions

DVRS provides a comfortable interface for searching for and playing back recordings. To be able to navigate through the large number of recordings and messages, the DVRS offers extremely detailed and extensive filter functions. They allow locating the required call without delay and immediately playing it back. You can also create your own playlists, e.g. to create a communication history encompassing several calls.

### Comprehensive statistics

To conduct accurate analyses, the DVRS server provides comprehensive functions for statistical analysis. You can, for example, display the various call types across the entire system or relative to a specific base station. In addition, the utilisation of the server hardware and the status of the network connection are displayed to check and ensure a stable operation.

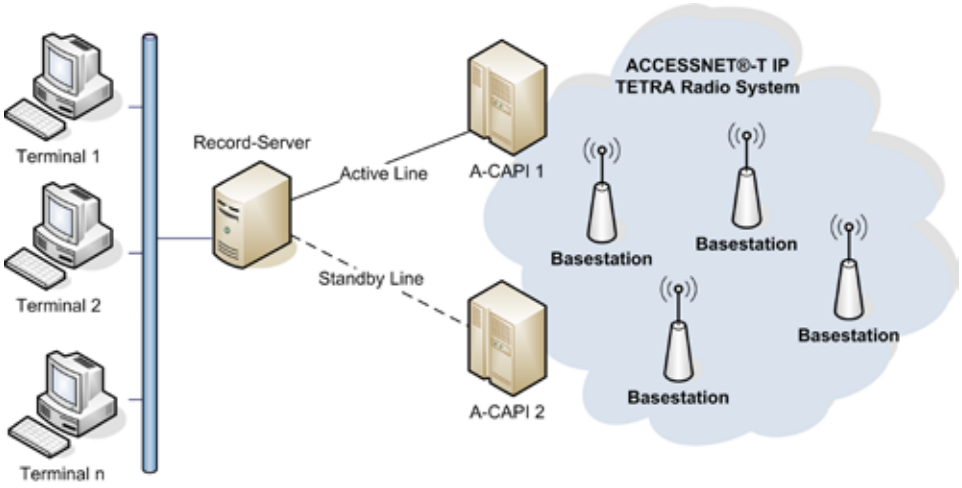
# Main features

## Overview of highlights

- Loss-free, TETRA-coded voice recording
- 24-h voice recording, ensured via redundancy in the system architecture
- IP-based, network-wide voice recording as well as logging of short messages (SDS)
- Client-server structure for flexible data access
- High security when accessing recordings
- Statistical analyses of all calls
- Online playback and download of recordings
- Detailed display of server utilisation level in DVRS terminal

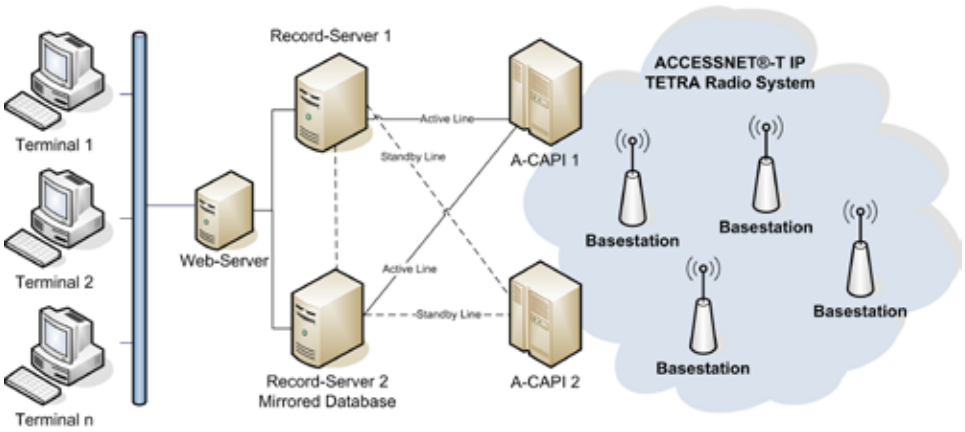
## System architecture

In order to easily integrate itself into existing IT environments, the DVRS voice recording system can be installed and operated on a single server.




DVRS installation on one server with redundant connection

An additional DVRS server can ensure the highest possible availability, if needed. In this configuration, the two servers can also be redundantly connected with the ACCESSNET®-T IP. To be operational immediately whenever the first server fails, the topical database of the voice and SDS recordings is at the disposal of the redundant server at any time. Enhanced by a web server, access to the recorded data is possible from any location.




An additional DVRS server ensures the highest possible availability through redundancy.

## Technical Data

| Software specifications | |
|---|---|
| Recording codec | G.711 – 80 channels in parallel<br>TETRA (ACELP) – up to 400 channels in parallel |
| Redundancy | Additional hot-standby server (optional) |
| Storage medium | Server hard disks (RAID 5)<br>Storage array (optional) |

| Recommended installation environment for servers | |
|---|---|
| CPU | Quad-core processor with 3.6 GHz |
| Hard disk | 250 GB (RAID 5) |
| Main memory | 8 GB |
| LAN | 10/100 Mbit |
| Operating system | Microsoft® Windows Server 2008 |

| Recommended installation environment for clients | |
|---|---|
| CPU | 3.0 GHz |
| Hard disk | 250 GB |
| Main memory | 4 GB |
| Operating system | Microsoft® Windows 7 |
| Screen | Widescreen |
| Browser | Internet Explorer 8/9 |

All technical indications were tested according to the corresponding standards.
Subject to change on the basis of continuous development
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**www.hytera-mobilfunk.com**

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Ref. No.: 90dvrs_fly_ENG_v02