Product brief: DIVOS
Advanced mission-critical recording

The DIVOS recording system provides thorough documentation of all events and activities in a control room environment. It collects and archives voice communication, call related information, as well as operator screen and radar data. Based upon a highly reliable and available standard IT platform, it lets investigators search and play back recorded incident information from any desktop PC via the web-browser. Incident reports can be shared between users - ensuring access control and integrity - or easily exported to third party stakeholders. DIVOS supports single site standalone systems, networked systems, and systems hosted on a data-centre virtualisation platform.

Key features

Legal recording of voice and data

DIVOS supports recording of diverse voice communication channels and is fully compliant with ED137 standard. Operator screen recording provides further relevant details logged for future investigation.

Designed for investigators

DIVOS Investigate is a client specifically designed for incident investigators. Users can manage their investigations, search and play back recordings of interest from different channels and add findings to their report. They can add voice annotations, prologs and epilogs to their reports and even collaborate during an investigation, sharing the report with other users and protecting the results.

Scalable and reliable architecture

DIVOS scales from small to large, distributed and fully redundant system configurations. Administrators can monitor and manage all instances from any desk via the browser.
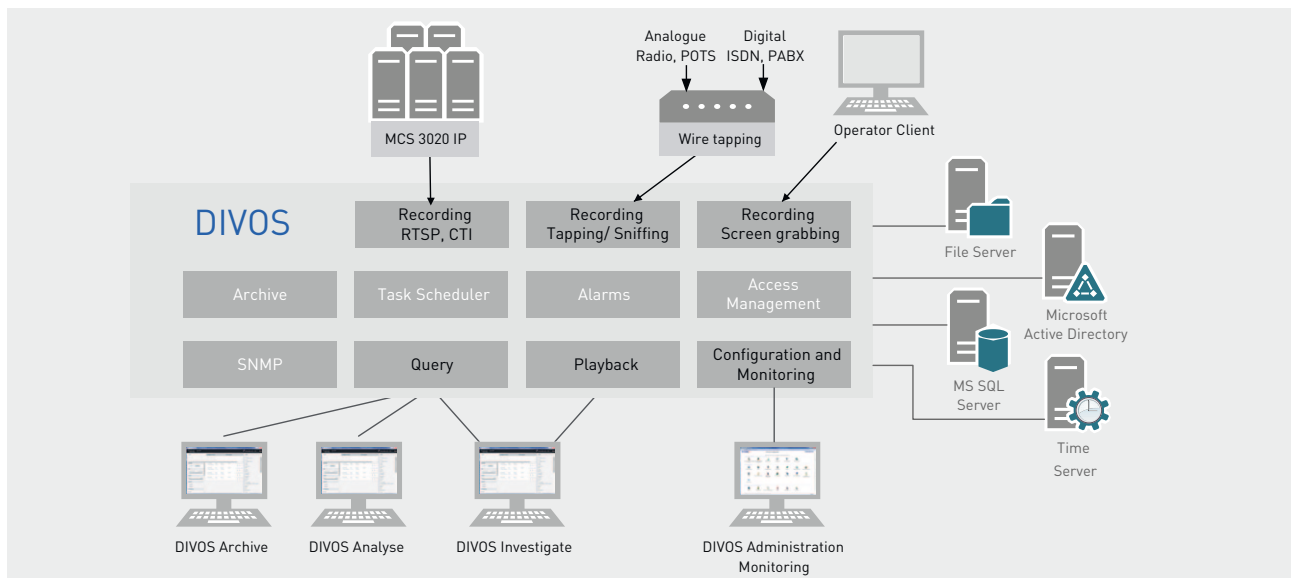
Secure storage and access

Confidentiality and integrity-protection of all logged information is ensured during recording, storage and user access. The integrated audit log services document all user activities.

DIVOS at a glance

- Radio, screen and radar recording
- Seamless integration in ED137 IT infrastructure
- Supports standardised recording interfaces, such as ED137, SIPREC
- Highly reliable interfaces for tapping of lines
- Scalable up to 10.000 concurrently recorded channels
- Specifically designed for the needs of investigators
- Timeline view of radio channel activities
- Voice annotations for investigation reports
- Management of investigation reports
- Scales from single-site system to hosted solution in a data center
- Fall-back procedures for reliable recording

Maritime

FREQUENTIS
FOR A SAFER WORLD

Diagram: DIVOS system architecture showing MCS 3020 IP; Analogue Radio, POTS / Digital ISDN, PABX connected to Wire tapping; Operator Client. DIVOS blocks: Recording RTSP, CTI; Recording Tapping/ Sniffing; Recording Screen grabbing; Archive; Task Scheduler; Alarms; Access Management; SNMP; Query; Playback; Configuration and Monitoring. Clients: DIVOS Archive, DIVOS Analyse, DIVOS Investigate, DIVOS Administration Monitoring. Servers: File Server, Microsoft Active Directory, MS SQL Server, Time Server.

Benefits

Flexible system DNA

Highly reliable and available system design makes DIVOS easy to integrate with domain-specific voice communication systems and radio equipment.

Migration to an integrated network

DIVOS is based upon standard IT-components with a set of Frequentis line recording interfaces, deployable as a stand-alone recording system at radio sites, as well as a recording service on a virtualisation platform that records radio traffic over the network.

Efficient use of IT infrastructure

For analogue and digital line logging, the recording interfaces are deployable over the network, allowing complete virtualisation of recording and storage services and clients. The elimination of dedicated, proprietary hardware needed also reduces training efforts.

Break the barriers

Administrators and investigators can now do their job from every networked PC or tablet using the web-browser. There is no need for dedicated workstations, while confidentiality and access control is still enabled for all users protecting the recorded information.

Technical specifications

Recording	Phone and radio communication via IETF SIPRec, ED 137, PBX-CTI, SIP sniffing, ISDN, analogue lines, VGA/DVI/DP screen capturing
Availability	Support for redundancy on system level
Clients	Fully web-based clients with integrated playback
Scalability	Up to 2000 concurrent recording streams
Performance	Simple and fast query procedures for immediate and quick investigations
Environment	Standard physical or virtual IT environment
Security	Encryption and integrity protection of recordings