

Kronos

IT platform for monitoring station management

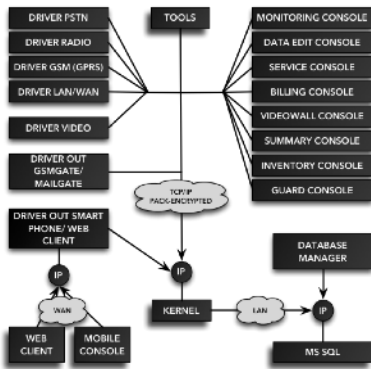
Use

The platform combines in a single environment:

- Monitoring of all alarm systems,
- Service department management,
- Client billing management,
- Archiving of agreements,
- Stocktaking of equipment,
- Preparing guard schedules,
- Advanced reporting for the board,
- Remote access via the Web and SmartPhone.

Architecture

- Fully web-based architecture,
- Independent modules,
- Safe, three-layer model,
- Support for scattered applications even over a large geographical area.



Performance

- Automatic scaling of number of processing threads depending on the amount of signal sources,
- Sending only changes in data,
- Compressed transmission,
- Division of data into smaller blocks,
- System of agents preparing larger summaries concurrently to other processes,
- Our own, high speed communication protocol,
- Extremely efficient signal analysis algorithm.

Cooperation

- Data exchange with subcontractors during alarm handling,
- Sharing information with remote consoles only from a specified group of accounts,
- Simplified, remotely administered consoles for fire brigade, police and subcontractors,
- Communication with external systems.

Safety

- Transmission encryption,
- Disk buffers to prevent data loss from volatile memory,

- Automatic startup of backup centers,
- Replication of data at the system level,
- Repeating action in case of error,
- Black box mechanism recording system events,
- Central management of user rights,
- Multi-layer, secure access via the Internet.

Communication

- Communication based on TCP/IP through a single port,
- Automatic management of reserve channels (GPRS),
- Static IP address required only for the central module.

Monitoring

- Monitoring of buildings, vehicles, people, guards, environment, CCTV, vending machines, working hours in one environment with full support for the individual characteristics of each type of monitoring,
- Compatible with more than 100 base stations from different manufacturers,
- Tracking position of vehicles using a map and intervention group management via SmartPhone application,
- Control of vehicle presence in designated areas,
- Separate alarm handling and servicing,
- Advanced control function mechanisms dependent on time (tests, opening/closing, status changes, guard rounds, reports from security personnel, reminders), and values (meter readings/thermometers)
- Automatic sending of e-mails and text messages,
- Integration with PBX (SIP/TAPI) and call recording,
- Advanced reporting system,
- Operator work statistics.

CCTV Monitoring

- Preview of different producers cameras in one environment (including ONVIF and RTSP),
- Definable camera layout,
- Video patrols and video verification,
- Video recording,
- Camera control (PTZ),
- Two-way audio transmission.

Service

- Support for the process of servicing, maintenance, modernization, installation and dismantling of alarm systems,
- SmartPhone consoles for service personnel,
- Work planning on Gantt charts,
- Remote viewing of accounts serviced,
- Maintenance calendar,
- Technician work summaries.

Billing

- Automatic invoicing based on services provided,
- Flexible mechanisms for building price lists and discounts,
- Invoice export to external systems.

Inventory

- Simple management of equipment in accounts (drag-and-drop method),
- Store for direct orders of Arrow, 4Time and Xamelo devices,
- Automatic creation of inventory documents and their export to an external system.

Physical Security

- Preparing guard schedules and monitoring guard working hours (based on 4Time),
- Reception module available via the Internet.

Management

- Remote system status control with full register of events,
- Error reporting via text message,
- Intuitive system operation indicator.

Additional features

- Actions - scripts automating the handling process,
- Tool for creating your own summaries (including analytical: total, amount, minimum, maximum),
- Access to data for clients via Internet (browser) or SmartPhone (application),
- Automatic sending of summaries (e-mail),
- Archiving of agreements,
- Remote management of Arrow, 4Time and Xamelo devices (including remote activation).

Requirements

- Operating system: Windows 2008/2012/7/8/10,
- Database: Ms SQL Express 2005/2008, Ms SQL 2005/2008/2012/2014,
- IIS 7/8/10,
- SmartPhone: Android 4.x, iOS 9.x (iPhone),
- USB hardware key.

