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Conex™ BorderSecure

Intelligent border surveillance



Ensuring border control

Conex™ BorderSecure provides built-in border surveillance that enables tactical communication between the commander and border patrol. For subsequent analysis, information is provided in tactical procedures and documentation.

Integration of radio systems

- LTE / 5G, GSM
- VoIP (SIP, RTP, RTSP, SRTP, ED137)
- Digital Radio (TETRA, POCSAG, EDACS)
- Analog Radio

Flexible and scalable

Thanks to the robust and flexible concept, Conex™ BorderSecure is easily extensible and suitable for a multi-level architecture to provide N + M redundancy.

Alerting and automated decision Management

To ensure easy operation, the system offers integrated and automated decision management for a wide variety of situations. This allows the operator to design custom processes for specific scenarios.

After a threat is detected, the responsible persons are added to a high-priority conference to enable efficient coordination.

In addition, mission data is sent as voice or text messages to border patrols to ensure a faster communication process.

Encrypted communication

Conex™ not only supports point-to-point encryption but also end-to-end encryption, allowing secure communication.

Smart Communication.



Key features

Conex™ BorderSecure provides a user friendly IP-based communication solution for border control and surveillance scenarios.



Reliable.

Conex™ BorderSecure supports border surveillance regardless of area size.

To arrange effective coordination between patrol and control center several resources are available such as:

- Scenario management
- Tactical communication
- Automated decision management
- Alerting
- Integrated encryption
- Video and voice documentation
- Data analysis

Integration of any infrastructure

Resources (drones, emergency vehicles, helicopters, radios, speakers, phones, cameras, etc.) are connected and coordinated on a central platform independent of technology.

Customizable

Conex™ BorderSecure is customizable and offers the possibility to connect other applications via open interfaces and frameworks.

Integrated management

Conex™ TCMS is a management system used for central monitoring and administration of all Voxtronic products as well as other SNMP-compliant devices.

Individual reports enable intelligent and planned administration of single and distributed communication systems.



Integrated documentation

Conex™ BorderSecure offers an integrated recording system. It documents incoming emergency calls, missions, incidents and communication processes preserving evidence, demonstrating compliance with legal regulations, clarifying communication content and for quality assurance.

Emergency calls and alerts

Allows you to define scenarios that automatically alert specific contacts during an emergency call.

Workflow management

Supports the user in the handling of operating processes which can be defined in the system.

Documentation of voice, data and video

- Video and voice documentation (camera, radio, telephony)
- Recording screen content (screenshot, video clip)
- Live monitoring (listening, open listening, live streaming)
- Search and filter with configurable automatic prefilter

Legal compliant documentation

Conex™ enables legally valid and tamper-proof documentation of audio, video and metadata.

Record of radar data

Supports border patrol in the investigation and prevention of accidents and incidents.

PAS and Announcement

Conex™ allows announcements for groups or individual Public Address System (PAS), at the press of a single button or event. The announcement via a microphone is also possible.

Security.

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Video surveillance (CCTV)

Events and additional information from surveillance cameras are evaluated and provided to the user.

Live streaming

Allows you to view live images of connected video cameras.

Perimeter protection

Areas and borders can be defined, which alert upon crossing. Therefore, countermeasures can be initiated early on to prevent border violation.

Motion detection

Alerts the user audiovisually when detecting a movement.

Counting

Counts the number of objects crossing a defined border. If thresholds are exceeded, the user is automatically alerted.

Heatmap

Heatmaps display the areas with the highest activity.

Everything In Sight.

Conex™ BorderSecure is an application based on Voxtronic Conex™, Operate™ and Join™.

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About us

Voxtronic develops secure communication products and solutions for enterprises with high security requirements and critical infrastructure, organisations in public safety, public transport, military, maritime, financial services and industry, using the latest technologies.

Smart dispatching

Operate™ controls the optimal handling and information flow in business processes.

Gateways for special applications

Join™ combines technologies, interfaces and protocols.

Solutions for secure documentation

voxlog® professional records communication processes for compliance with legal requirements, content clarification and quality assurance.

Public address system (PA)

SmartAmp™ - the intelligent electroacoustic system in IP technology for the acoustic irradiation of buildings and outdoor areas.

Alerting, notification and conferences

Applications for emergency crews as well as specialists according to defined scenarios.

Certificates

- ISO 9001
- ISO 14001
- ISO 27001

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For more information visit us on
voxtronic.com

Voxtronic.

+43 1 8174846-0

sales@voxtronic.com

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