# Safe & Converged Cities with NDIS

Law enforcement, emergency services and local governments are trying to coordinate various systems, communications and devices to streamline operations and response times to more effectively protect cities and deter crime in cities.

This mission requires an end-to-end, fully integrated solution that converges multiple systems, devices and hardware into one **centralized command and control platform**.

NDIS is an agnostic video platform developed with open architecture for flexibility, scalability and interoperability between multiple brands and systems to minimize cost, maximize infrastructure and provide for future expansion.
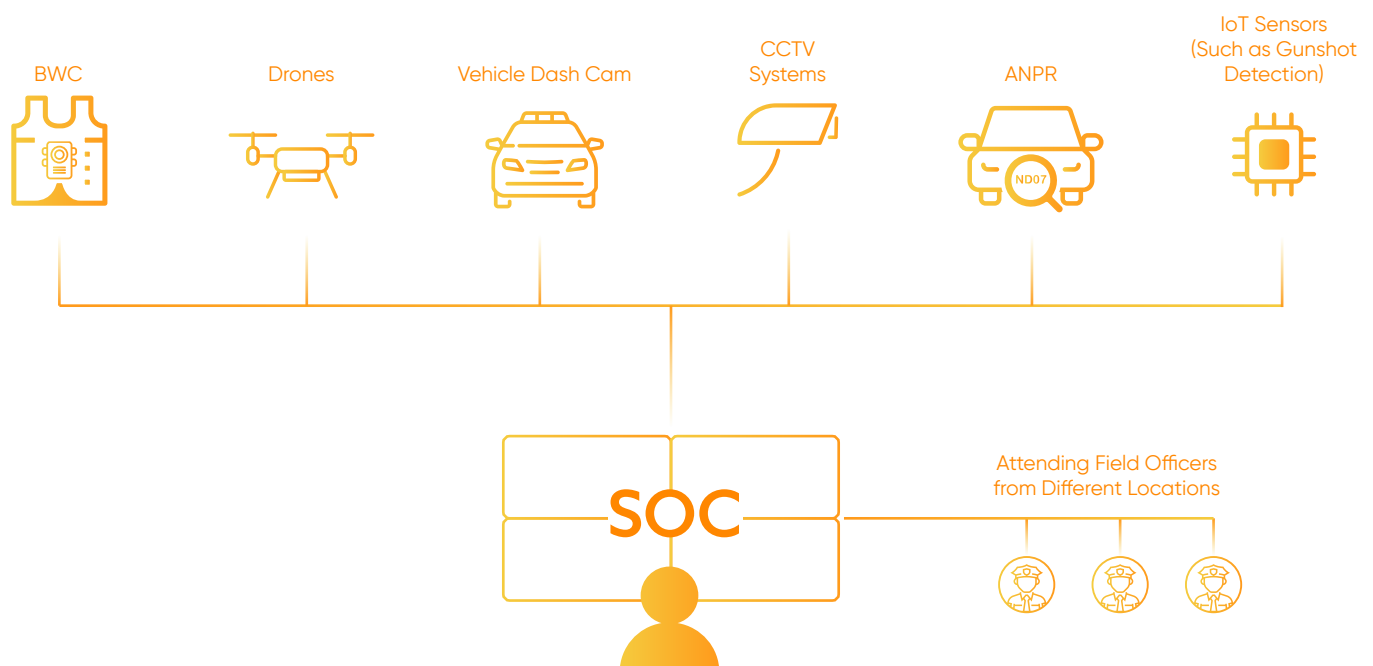

- Law enforcement can easily access different types of networks, including APN, VPN, or other technologies under one platform, without encountering repetitive access requirements.
- They can easily track live events through mobile cameras on visualized GIS maps of the area and switch from one live view to another.

rubisec

What is NDIS?

NDIS, short for Nanodems Integration Server, is a powerful Physical Security Information Management software that centralizes control, management, and monitoring of security ecosystems, including closed circuit television systems (CCTV), perimeter intrusion detection systems, access control systems and many more., regardless of brand and technology.

Many technical, financial and administrative benefits can be achieved by centrally managing different security systems, especially CCTV, with NDIS software.
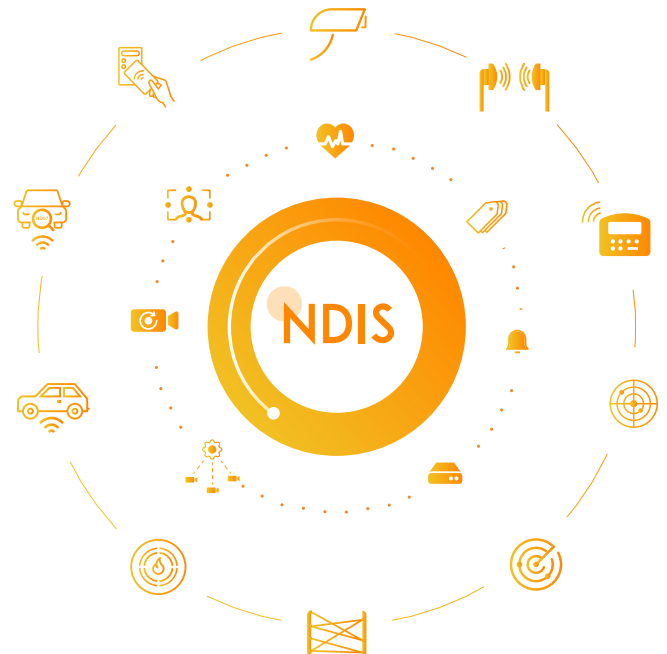
Converged physical security management in a single, graphical user interface

Cost-efficient with being brand independant

Easy to install and learn

Compliance with GDPR and other regulations, along with extensive reporting capabilities

as the CCTV and security systems inventories and solution needs of the customers are different, Customer-specific installations are prepared and configurations are made in NDIS.

NDIS software works in server–client architecture and has two separate software as configuration (server) and operator console (client). The server requirements, where server services and configuration software will be installed, vary according to the size of the system to be managed, and the main parameters affecting the system size are the number of video recorders and cameras in the area to be managed.

- **Brand Independence**

  With over 200 brands and counting, NDIS' open architecture makes integration with any device manufacturer possible, regardless of their brands.

- **Different Technologies**

  Different technologies including Video Recorder Types (NVR/DVR/XVR) are supported.

- **Centralized Managements**

  NDIS enables full remote system configuration and management of the server, distrubuted devices, recording backups and user rights.

- **Health Check**

  NDIS runs extensive checks of CCTV systems, monitoring their statuses in the background while diagnosing problems and sending live notifications and alerts to users. Any notification is customizable, can be set and arranged for regulations and company policies.

- **Scheduled Export**

  Designed for lower bandwidth consumption, the Scheduled Export feature lets you save video footage in bulk from a timeline and destination of your choice, including on-premise and cloud. Automate your exports, follow their statuses on an animated dashboard, and continue where it was left off in it was disrupted.

- **Remote Configuration**

  NDIS lets you configure video recorders and cameras in bulk with the Remote Configuration feature, equating settings of devices of your choice for smoother operation. Change stream types and bitrates of multiple cameras at once, adjust their display settings according to the lighting and configure many other parameters without visiting each brand's respective interfaces.

- **Bodyworn Camera Management**

  Enhance situational awareness with seamless integration of body-worn cameras. NDIS captures real-time video and events from wearable devices, linking footage with access control, alarms, and other security data. Ideal for law enforcement, field teams, and critical sites, this integration provides a complete, unified view of incidents—helping operators respond faster, ensure compliance, and protect both personnel and assets.

- **User Management**

  The extensive User Management feature lets you remotely manage each user signed up on your system individually or through their groups. Set up detailed profiles for users, and give authorization or set limitations over numerous actions ranging from which cameras they can view, to which parts of NDIS they can access. Easily view and track which user is watching a camera or their last action. This also lets you block a user or force a user to log-off from the system immediately.

- **Active Directory Integration**

  Integration with your Active Directory System offers a connected environment with synchronized user details in NDIS. NDIS will gather the information from your AD and transfer their rights for centralized management. Users can also sign-in with their AD credentials.

- **Intrusion Alarm Panel Management**

  NDIS lets you manage rights of each user authorized for an IAP while ensuring security by automatically distributing encrypted and unique passwords to them.

- **Alarm Panel Integration**

  NDIS can integrate with various alarm panels, associate CCTV cameras with them, and let you receive and manage alarms on the same interface.

rubisec

- **Alarm Monitoring / Incident Management**

  NDIS offers a consolidated and concise overview of security and device-related alarms on your workspace. NDIS receives all alarms from disparate systems into its memory, categorizes them with customizable priority settings and descriptions and presents them to users to drive faster responses. Cameras can be associated with different securtiy devices on the system to provide visual data of events.

- **Users' Audit Trail**

  NDIS enables extensive logging of all user system accesses, configuration changes and user actions. All information, including current and removed/deleted users, is securely logged in authorization-required areas for evidence reporting and assessment.

- **Map Function**

  GIS integration offers multi-layered and interactive visualization of the locations and statuses of every camera and device on your system, along with the ability to control, track and command alarm panels, access control systems and IoT devices. Live tracking of mobile devices such as armored vehicles and cars is also possible.

- **Multiple Language Support**

  NDIS can currently be displayed in six different languages: English, German, Arabic, Spanish, French and Turkish. Users can add support for their local language as well.

- **Cyber Security**

  NDIS passes regular static and dynamic Cyber Security tests, providing peace of mind for all of our customers. Certificates and the cyber security tests that NDIS is constantly subjected to are Static Source Code Analysis, Independent Periodic Pen Tests, Gartner Magic Quadrant Synopys Coverity.

- **Inventory Tracking/Blacklisting**

  Save inventory of your devices with specific attributes, easily filter through and blacklist a device you don't want to be interacted with by anyone. NDIS will send an alert immediately when it detects the device is being used.

- **Radar & Sonar Integration**

  NDIS can integrate with Radar and Sonar systems, providing information and alarm states received from these systems and video verification of events with camera association.

- **ANPR/UVIS**

  NDIS can be integrated with Automated Number Plate Recognition and Under Vehicle Inspection Systems, providing information and alarm states received from these systems and video verification of events, along with filtered search through license plate numbers.

- **Image Processing**

  NDIS' AI-based analysis provides users with practical alarms that can be life-saving, detailing the exact issue with the camera system and whether it needs configuration remotely or on the field. Tampering, light and noise issues, image issues, and more can all be detected and managed through Alarm Monitor.

- **MACRO and Scene Designing**

  On the monitoring section, camera views can be changed every few seconds or according to the user's wish to provide dynamic scenes.

- **24/7 Customer Support**

  The expert support team of Nanodems is ready 24/7 to provide practical solutions and advice for all technical questions. Receive replies in less than 30 minutes through our support ticket system.

- **Multiple Platforms (Web-iOS/Android, Desktop)**

   NDIS runs on multiple platforms; as desktop applications, browsers and also on mobile platforms. You can access it anytime, anywhere.

- **RPA (Robotic Process Automation)**

   With the embedded Process Automation Technology, users can automate their daily recurring tasks that are time-consuming, such as sending daily reports. They can also create their scenarios and let NDIS run the process without manual intervention. RPA helps prevent human error and increase efficiency.

- **Reporting**

   Extensive reporting in NDIS enables complete or function-specific documentation of system configuration, logs of all actions occurred in NDIS; device changes, alarms, authorization and many other processes. Custom and site-specific free-text information, user notes and logo are added to the printer-friendly reports. Reports can be exported in any format such as PDF, Excel, or HTML.

- **E-Mail & SMS Notifications**

   Alarm or customized event notifications can be automatically sent as an e-mail to provided mail addresses or SMS to provided numbers.

- **Customizable & Open Architecture System**

   The open architecture of NDIS provides customizable solutions that allow industries to incorporate new technologies and keep up to date with security trends and challenges.

- **High availability, Redundant structure & Failover**

   Uninterrupted operation of the system with redundant architecture support.

Integration Capabilities

NDIS has extensive integration capabilities, and systematically expands its integration portfolio.

ATMs

With its ability to integrate with sensors, NDIS will integrate an ATM into its system and visualize them on GIS maps, easily pop-up their associated camera footage, show information about their light status, vout, heat and deliver alarms on these and many other events.

Access Control Systems

NDIS can integrate access control devices and provide extensive control over them. Users can view access control events and grant/deny access to the premises, associate devices with cameras to visualize all alarm and events on NDIS.

Active Directory

Integration with AD offers a connected environment with synchronized user details in NDIS. NDIS will gather the information from your AD and transfer their rights to centralized management. Users can also sign in with their AD credentials.

Intrusion Alarm Panels

Along with managing Access Authorization with IAPs, NDIS can supervise and log events & alarms such as Burglary, Fire, Low Battery, and many more.

IoT Devices

NDIS supports the integration and control of IoT devices of many types. Visualizing them on maps, controlling and monitoring their attributes and the ability to pop up associated cameras is possible.

License Plate systems & UVIS

License plate recognition systems and under-vehicle inspection systems can be integrated with NDIS, allowing automatic reading, tracking, and listing of vehicle license plates and alarms received from UVIS to show up on its interface with the ability to pop up associated cameras.

POS, ERP systems

NDIS integrates CCTV systems with point-of-sale (POS) and enterprise re-source planning (ERP) systems to manage loss prevention, fraud, investigations, and evidence reporting.

Recommended NDIS Server Requirements

Server Type : Virtual
CPU : 10 Core
RAM : 16 GB
Disk : 250 GB (OS)
Operating System : Windows Server 2016 Standard Edition or higher
Ethernet : Gigabit Ethernet

All the above features will depend on the Software Development Kit (SDK) and/or Application Programming Interface (API) exposing the functionality.

System Topology