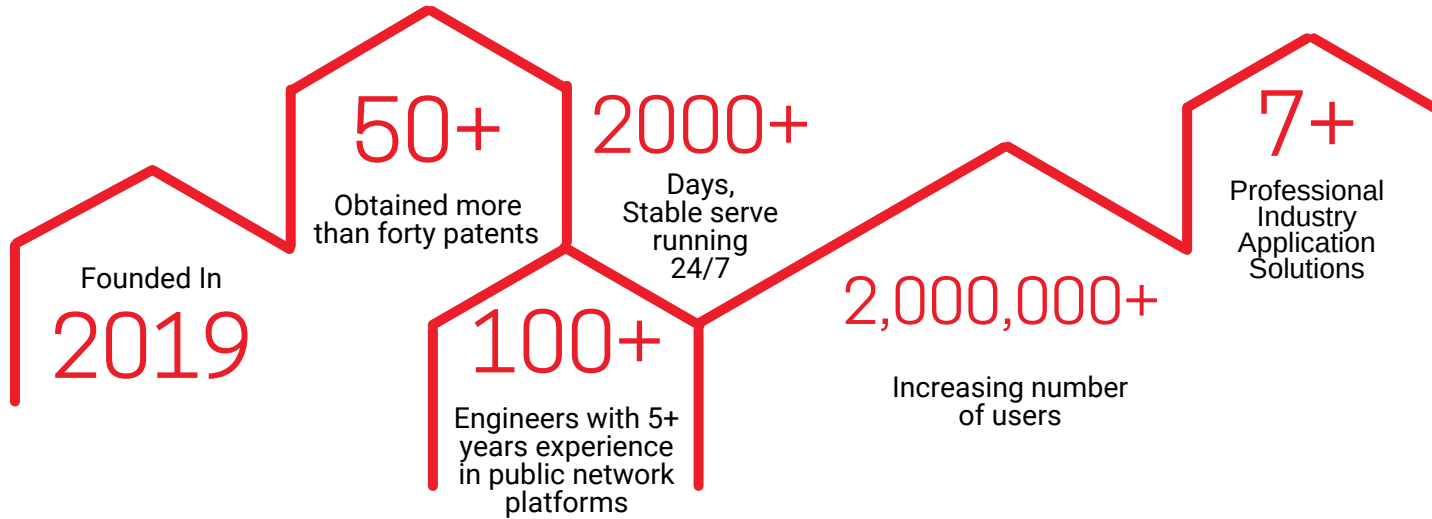


# CONSTELLATION PoC Product Catalogue



TRANSPORTATION | **CONSTRUCTION** | MUNICIPALITY | **SECURITY** | PUBLIC SAFETY

# Who We Are



NIS is an innovative IT-Driven PTT(Push-To-Talk) solution provider which is always committed to promoting the development of the communication field and creating value-added communication solutions for global users through cutting-edge technology.

Founded in 2019, NIS has more than 100 professional R&D engineers with 5+ years' experience in public network platforms. With an annual investment of over USD 2 Million NIS has established two software R&D centers in the field of PTT (Push-To-Talk) in Southern Africa and worldwide has achieved remarkable achievements in its field, winning more than fifty patents.

Adhering to the tenet of quality service, practicing the concept of customer oriented, NIS strives to meet customer needs with advanced technology, wide coverage and long-distance communication to achieve efficient output value, meanwhile jointly develop the global market together with operators, agents and terminal manufacturers to achieve a win-win business eco-system!

# Partners



## Product Features

### Trunking



Private Call



Group Call



Priority Call



Recording



Multi-Group  
Monitor



Channel Switch



Interrupt Call



Temporary  
Disable



Temporary  
Enable

### Command & Dispatch

### Message



Text Message



Picture  
Message



Location  
Message



Short Video  
Message



History  
Message Record

### SOS



One Key  
Alarm



Historical  
Alarm Record

### Location



Tracking  
Playback



Real-Time  
Location

### Video Streaming



Video Call



Video Upload



Video Record



Fence Setting



Real-Time Alarm

### Geo-Fencing



Historical  
Alarm Record



Adding  
Temporary  
Members



Auto-  
Monitoring



Auto-  
Monitoring  
Cancellation



# APP



## Voice Call

Voice call with NISC is similar to that of a professional two-way radio. It offers different types of calls for various scenarios to realize voice dispatching, such as, Group Call, Channel Switching, Temporary Group Call, Temporary Private Call, Group Monitoring, Interrupt Call, Temporary Enable/Disable, Priority Call, etc.



## Multimedia Message

The APP can send text, voice, picture, short video, location and other multimedia messages to enable interactivity, integration and synchronization of group and individual communications.



## Video Streaming

It enables the visual dispatching and communications solutions by transmitting video to the dispatch console and make individual or group video calls.



## Location Tracking

The APP reports real-time GPS position to the dispatcher to enable with understanding of user's position and trajectory and shares its real-time position with other group members.





## Dispatch Console

### NISC Dispatch Console

NISC dispatch console integrates voice communication, multimedia messaging, video streaming and real-time positioning as a visual dispatching system. It effectively helps with rapid response and scientific decision-making ability of related departments to realize the daily business and emergency handling. Timely and accurate decision making is key to minimize various risks and control damage.



### Voice Dispatch Solution

NISC dispatch console is a location-based push-to-talk system. The dispatcher can fulfil a series of operations to the user, such as voice call, channel switching, interrupt call, temporary disable, temporary enable and monitoring.



### Visual Dispatch Solution

NISC dispatch console can send text, pictures, videos and location information through multimedia messages to ensure accurate delivery of key information. Though video streaming, you can watch live situation and make decisions accordingly. Problems are solved quickly and remotely.

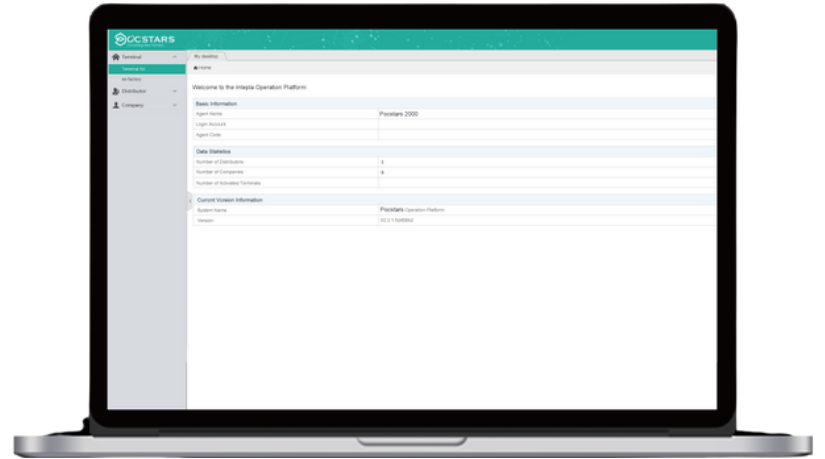


# Operation Platform



## End User

End users can conveniently and quickly manage channels and user accounts. They can enable value-added functions through the user admin panel to make more versatile PTT service available for different working scenarios and requirements.



## Permission Setting

End users can conveniently and quickly manage channels and user accounts. They can enable value-added functions through the user admin panel to make more versatile PTT service available for different working scenarios and requirements.



## Solutions



### NISC empowers industries with customizable and versatile PoC solutions

NISC PoC solution taps into carriers' wireless networks and offers solutions running in carriers' cellular network, which breaks the spectrum limitation of traditional Push-to-talk (PTT) systems. The solution is customized to create a dedicated command and dispatch system without blind spots, supporting voice call, positioning, multimedia and other convergent features. It also supports interconnection the existing PTT system to protect users' early investment. With the new system in place, there will be no information silos. Users from sectors such as public safety, security, logistics, transportation and healthcare are able to achieve unified command and dispatching and work with better audio quality, faster data transmission, more versatile features, and safer communications.

#### Geo-Group

In various large-scale activities or emergencies, the on-duty law enforcement personnel need to be grouped by region. The NISC geo group feature can effectively group users according to different regions. Once someone crosses the border, the system will immediately trigger an alarm. When the user enters the group fence area, the system automatically 'monitors, and when the user leaves the fence, the system automatically cancels the monitoring, which is convenient for the command center to implement cross-regional dispatching of personnel

#### Multimedia

With powerful features of smart terminals, the system can provide the integration of multiple functions such as trunking call, visualized command and dispatch, real-time positioning, picture / video transmission.

#### SOS One-Key Alarm

The command center will immediately dispatch nearby personnel to support after receiving the one-key alarm SOS triggered by frontline staff to ensure the safety of the team.

#### Location-Based Dispatching

NISC system provides geographic information system (GIS) based dispatching and management capabilities. The visualized dispatching and management platform empower the managers with real-time dispatching, efficient interaction, accurate and effective task management.

#### Track Playback

The dispatcher can play back the movement track of a certain terminal on a certain date through the dispatching console and 'can query the track up to a month.

#### Video Streaming

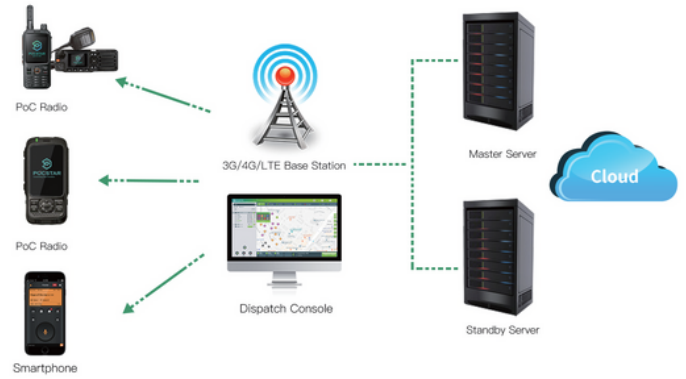
The terminal transmits the video back to the dispatcher, which is able to monitor 4 different livestreaming at the same time.

# Server



## NISC Server System

NISC provides 24/7 hours hot backup deployment to help customers with server fault recovery. According to different customer and project requirement, NISC provide suitable PoC server solutions. We offer the flexibility for customers to either choose NISC global cloud server solution or standalone servers.



## Cloud Servers

NISC cloud server system has been deployed and tested in many countries & regions, Reliable performance & fast deployment are the key advantages. No additional investment in server deployment for using NISC PTT communication solution.



## Client's Standalone Server

NISC software can be deployed to the client server to make its own, standalone system. NISC system has independent intellectual property rights and patents of the software, supports interface customization, and fully meets the demand of 100% self-owned system. It ensures the independence and privacy of user data and computing, and effectively guarantees the exclusive rights and interests of user assets.



## NISC MiniServer

NISC enables you to have your own communications system with the latest Push-to-Talk over Cellular (PoC) technology. The MiniServer is powerful and secure, while it's light and compact, flexible to configure, and easy to maintain. The client only needs to link it to the IP network and. PoC radios to set up a full functioning private PTT services with public networks.



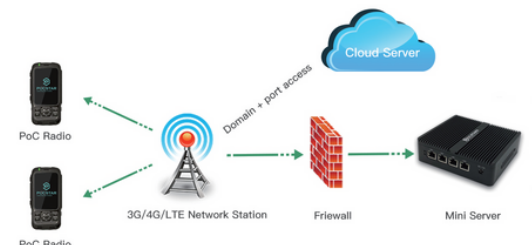
## The Advantages of NISC MiniServer

Superior data confidentiality. Rapid deployment and easy to maintain. Small initial investment.



## The Cloud Server Backup Service for MiniServer

The cloud server backup service offers redundancy by automatically importing the database when the client's MiniServer is down or unavailable. This service provides clients with peace of mind for its push-to-talk communication system.







## **Netstream Intergrated Solutions**

Bringing together the latest development of different frontiers of communications, NIS Constellation offers world leading PoC software and a great variety of terminals.



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