

# CommX Discover

Creates Smooth & Flawless Streams to Investigate



**Keep Streaming**

**Start Recording**

**Fast Investigation**

**Create Missions**

## The power of CommX Discover

Stream and manage real-time media in your browser with low-latency technology.



### AI-Powered Analysis

Leverage AI for instant searches, event detection, and live alerts in both real-time and VOD, ensuring you never miss a critical moment



### Multimedia

No matter what and where you record, everything is connected, monitored, and recorded in one place.



### Web-Based H.265

Elevate your streaming with our all-in-one website for easy access, seamless integration, enhanced security, and improved experience.

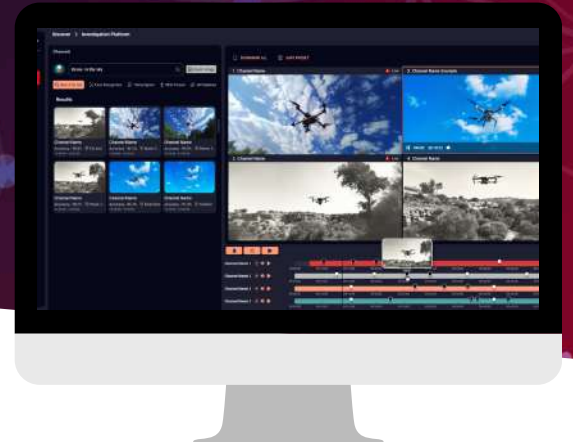


### Real-Time Map Integration

Effortlessly monitor and control live recordings with an interactive map, providing real-time oversight and streamlined management of all sources



# System Functionality



## AI-Powered Investigation and Real-Time Alerting

### AI-Driven Security Enhancements

Real-time AI for instant alerts and notifications, boosting security response times. VOD capabilities for rapid, post-event analysis, streamlining investigations.

### Advanced Analytics Integration

- **Face Recognition** for identifying individuals under non-standard conditions.
- **Speech-to-Text** for voice channels, enabling conversation transcription, speaker identification, and text-based search within recordings.
- Enhanced video and audio analysis for precise content identification and **context-based search**.

### Effortless Navigation

Simple text search for VOD records, allowing quick access to relevant video or audio segments based on your query.

### Flexible Deployment Options

Available for both On-Premises and Cloud, ensuring security and adaptability to your specific needs.

Investigation platform

AI Insights

Embedded to C2

Anomaly Detection

Free Text Video Search

On-premise  
\Cloud \Hybrid



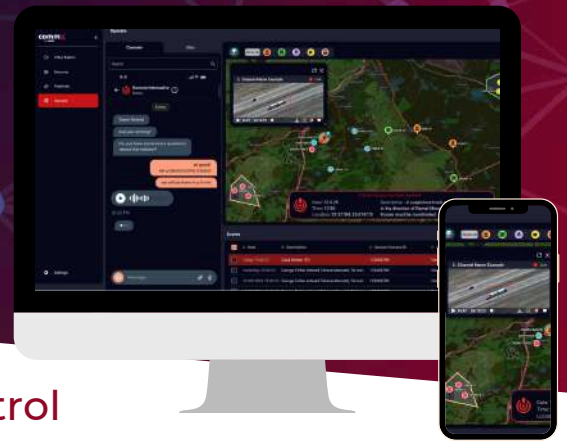
CLOUD



ON-PREMISE



# System Functionality



## Integrated Real-Time Map and Mission Control

CommX Discover offers a robust integration with live maps, enabling seamless monitoring and management of all communication channels in real-time. This powerful feature allows users to visualize and interact with their operational environment more effectively, ensuring that every element of a mission is under precise control.

### Live Map Integration

- Monitor all Live channels, including video, audio, and data streams, directly through an interactive map interface.
- Effortlessly call your team members in the field by clicking their icon on the map, streamlining communication and response times

Map  
Integration

Operational  
Chat

### Mission Control Platform

- Centralized control for planning, executing, and managing missions with real-time updates and adjustments.
- Coordinate multiple teams and resources efficiently, ensuring all mission-critical tasks are handled effectively.

Easy & Quick  
Collaboration

### Operational Chat with Polygon Integration

- Secure, mission-specific chat that connects relevant team members based on their roles and locations.
- Use of Polygon technology to create dynamic, geo-fenced communication groups that adapt to the mission's evolving needs.

Event Alerts

### Event Alerts and Reporting

- Receive real-time alerts and reports on critical events, whether flagged by field users or automatically detected by AI modules.
- Pre-configured AI modules continuously monitor for suspicious activities, providing timely intelligence to enhance security and decision-making.



# System Capabilities



- **Easy installation** and integration based on containers.

Linux operating system.

Compatibility with cloud environments based on **Kubernetes/OpenShift**.

- **Standard REST API** external interface for controlling recorded channels.

Support for RTP audio channels over multicast or unicast:

Standard audio codecs: **G.711, G.729, AES67**.

- Unicast recording system for encrypted (SRTP) and non-encrypted phone calls.
- Full compatibility with Cisco central systems.
- Call recording in forking mode with SBC or CUBE.
- Multicast-based audio recording for encrypted and non-encrypted radio systems (RoIP).

Support for **RTP video** recording over multicast or unicast:

- Standard video codecs: **H.264, H.265**.
- Hardware transcoding (using NVIDIA graphics accelerator).
- Synchronized video with data integration (KLV).

Support for recording accompanying telemetry data:

- Over standard interfaces: **KLV, STANAG4609**.
- A web interface that supports Hebrew and English languages and is open for support of additional languages.

## High availability installation configuration:

- The recording module operates in an active-active configuration, ensuring **zero data loss** in case of a failure of one of the system servers (for multicast data).
- Support for sending alerts to external servers via Syslog.

## Centralized management configuration with distribution:

The recording system is installed at each site in a distributed configuration (including recording module and management module for local investigation), along with the installation of a centralized management system that provides access, under appropriate permissions, to each remote (or distributed) recording module for site investigations.

## System performance:

System performance can be adjusted according to requirements.

Container-based architecture that allows for easy scalability.

300 video channels or 1500 audio channels (based on the number of instances of the recording module).

