CommX Discover

Creates Smooth &
Flawless Streams to investigate

Keep Streaming	Watch Recordings	Start Investigate	Be Creative

The power of CommX Discover

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

Investigation

Consolidate all relevant input sources in one feed, bookmark critical items, analyze exact matching metadata and keep in long-term cloud storage. Schedule recording and streaming of future events.

Multi Media

Simultaneously monitor recordings and streams from multiple sources such as cameras, video sensors, telemetry, radio, VoIP, and telephony in one feed.

Web-Base H.265

Receive video input using High Efficiency Video Recording Protocol H.265 for low latency transmission directly via your web browser

STANAG

Using NATO's digital motion imagery exchange standard STANAG and MISB data encoding standard KLV for for synchronized visual, audio and metadata.

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).

System Functionality

Management capabilities
User management:
- Division into roles according to the level of access to system management.
- Ability to work with local database or LDAP interface with an external system, such as Microsoft's Active Directory.

Grouping management:
- Capability to group and protect recordings using access codes based on individual channels or time ranges.
- Restriction on downloading recordings without authorization from a designated authority.

Channel configuration for recording:
- Ability to configure static channels (both through the web interface and API).
- Ability to work with an external system via API to receive dynamic updates regarding channels (in case of dynamic changes in IP or port in the system).
- User-level capability to save a list of favorite recordings for quick access in the future.

Channel playback:
- Quick search option for channels based on time or other attributes (component name, address).
- Suitable screen for playing back telemetry data according to the specific needs, such as location, health metrics, speed, and more.
- Ability to add bookmarks to recorded information.
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LIVE Streaming view:
- Real-time viewing of video, audio, screen recordings, and data.

System Functionality

Advanced investigation area:
- Schedule channel recordings for planned event investigations with participant linking options.
- Investigation area for suspicious events involving multiple synchronized channels. Ability to download a segment from a recording as a file (including support for merging multiple audio channels).
- Monitoring and reporting on defined channel quantities, receiving alerts on active channels (with data/audio/video recording).
- System alert analysis on a dedicated screen.

Remote screen management:
- Ability to control and display live broadcasts or VOD recordings on remote and nearby screens.
- Management through a central interface.

Integration with third-party analytics systems, such as **Face Recognition,** for non-standard face identification conditions, and **Speech-to-Text** (STT) capabilities for voice channels, including speaker identification, conversation transcription, and searching recordings based on text or speaker.

Development capability for additional system add-ons according to customer needs.