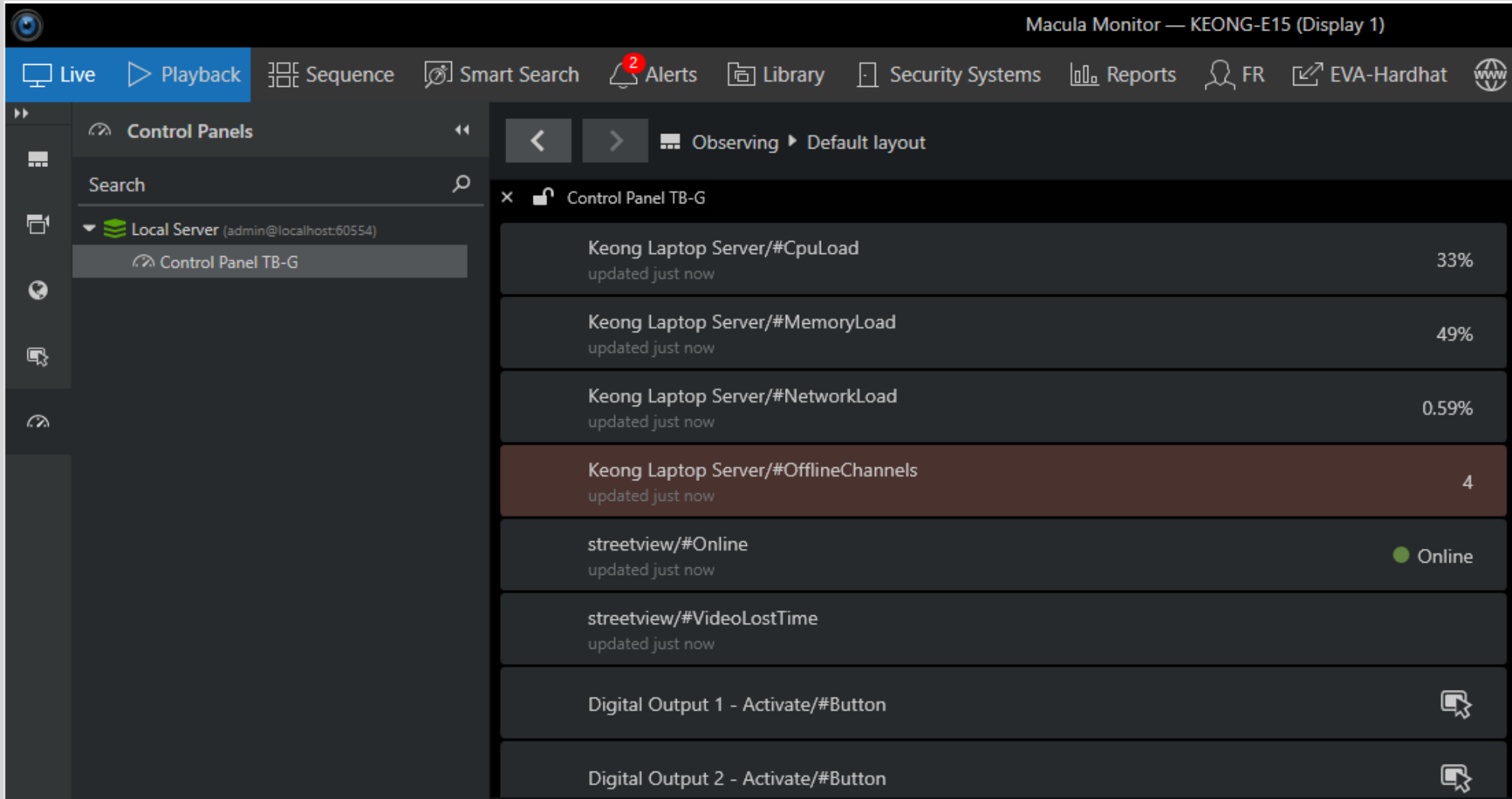# Macula New Features

V1.31.0

Control Panel – v1.31.0

- Real-time monitoring of system states, device statuses, and various metrics directly within the viewport.

Control Panel

Syslog Client – v1.31.0

- Forward all audit events to external syslog server

Cloud connector & video sharing – v1.30.0

- Available in both Enterprise and Professional editions.
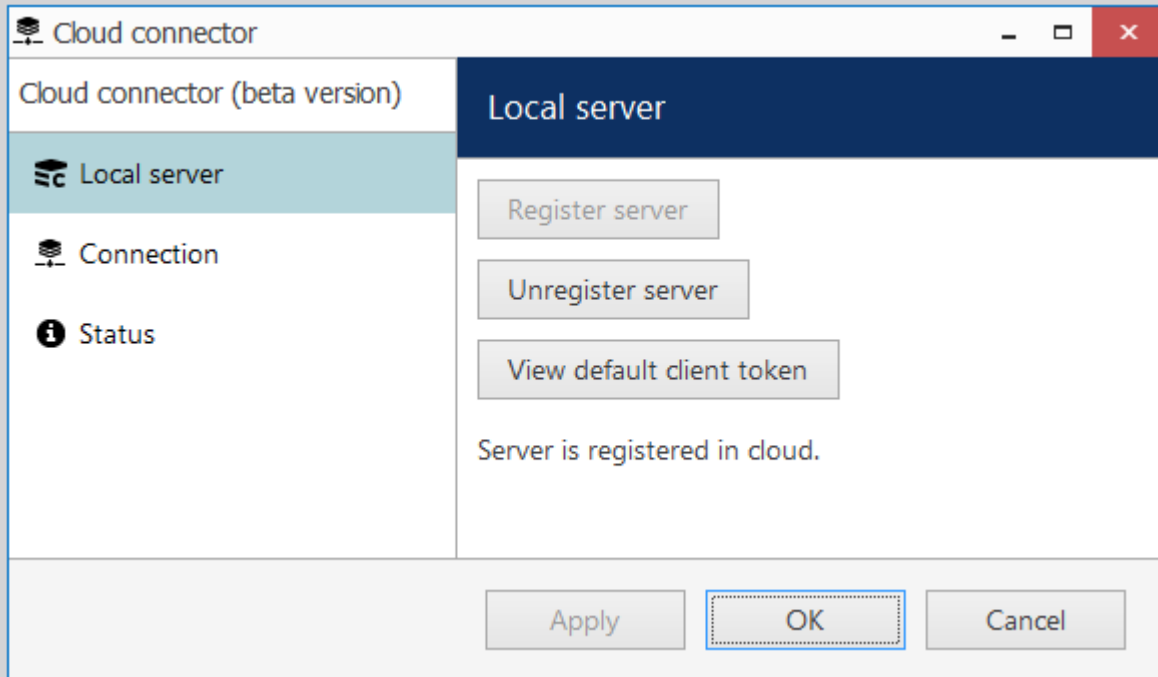
Cloud connector registration
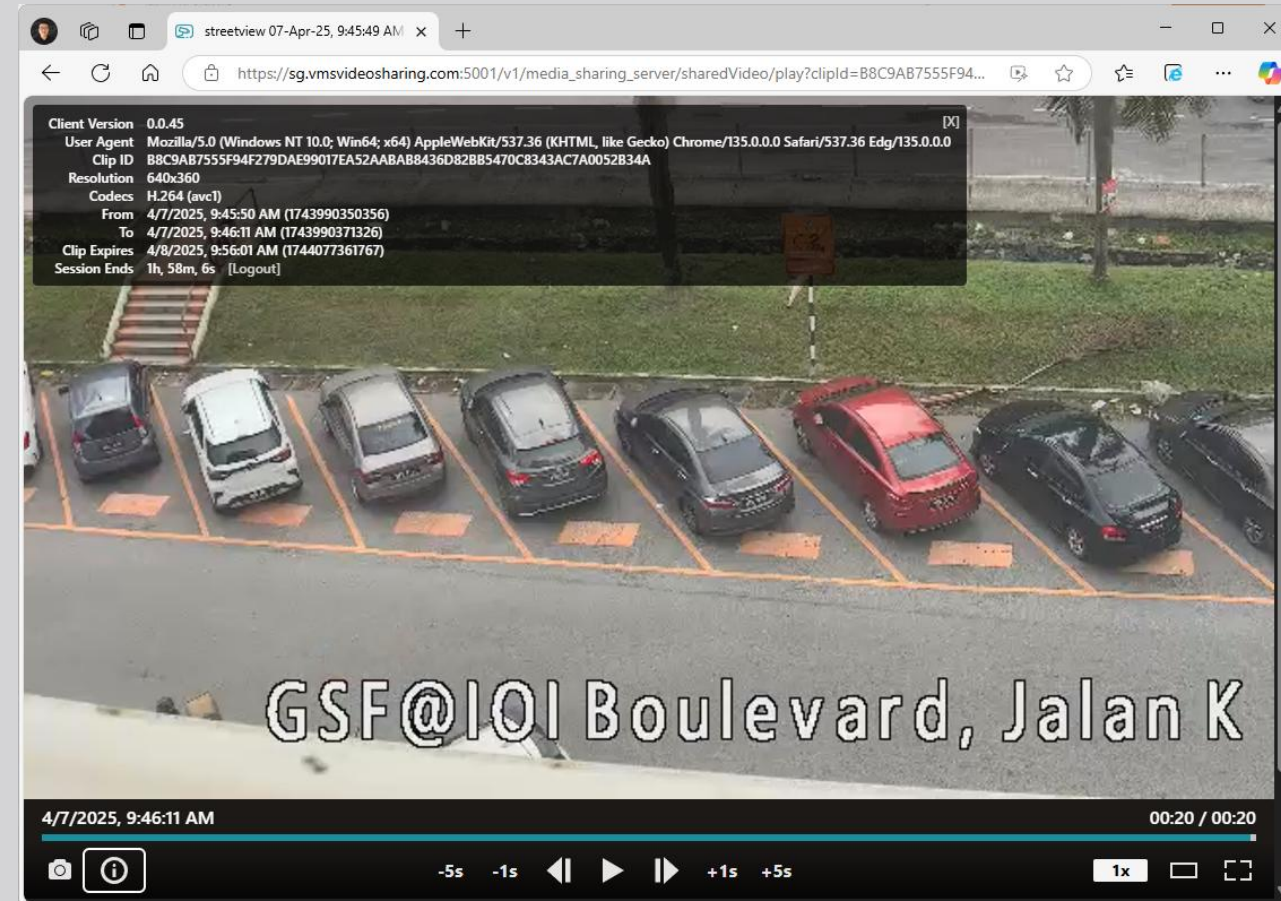
Video sharing

Audit Report based on Critical events – v1.30.0
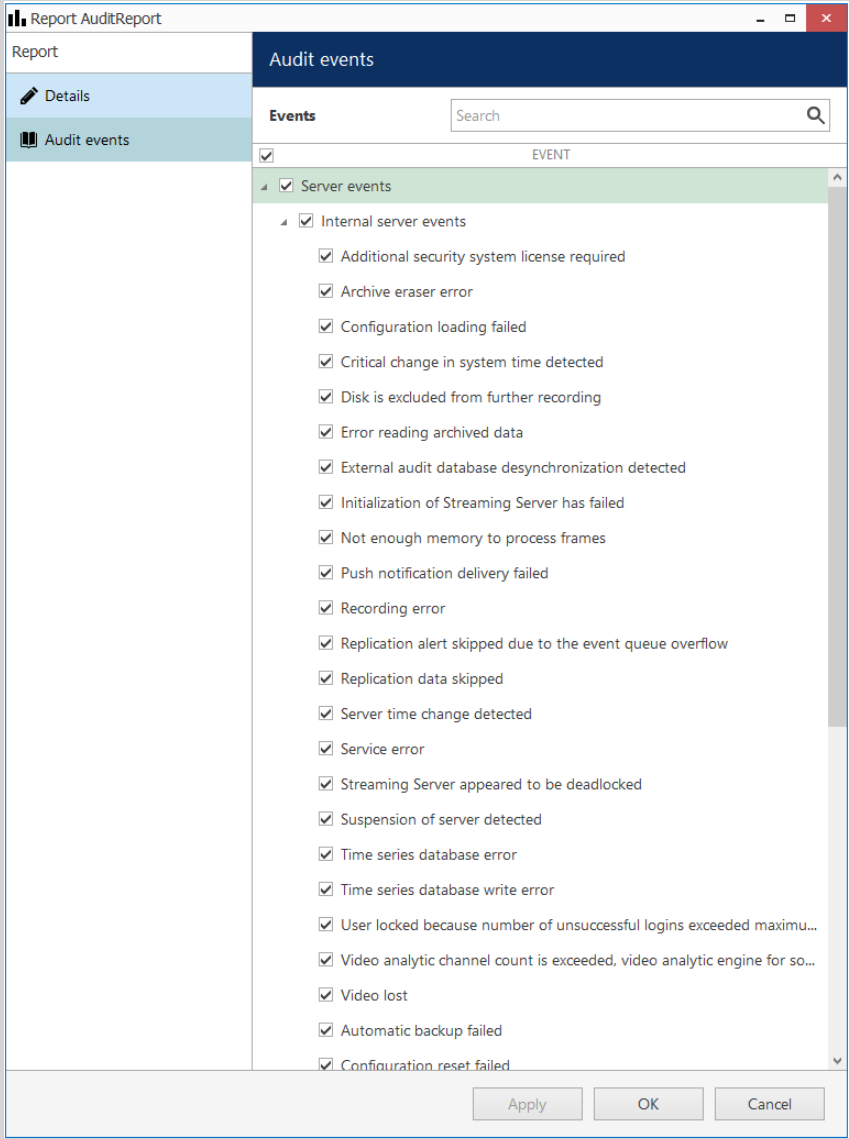
Audit Events
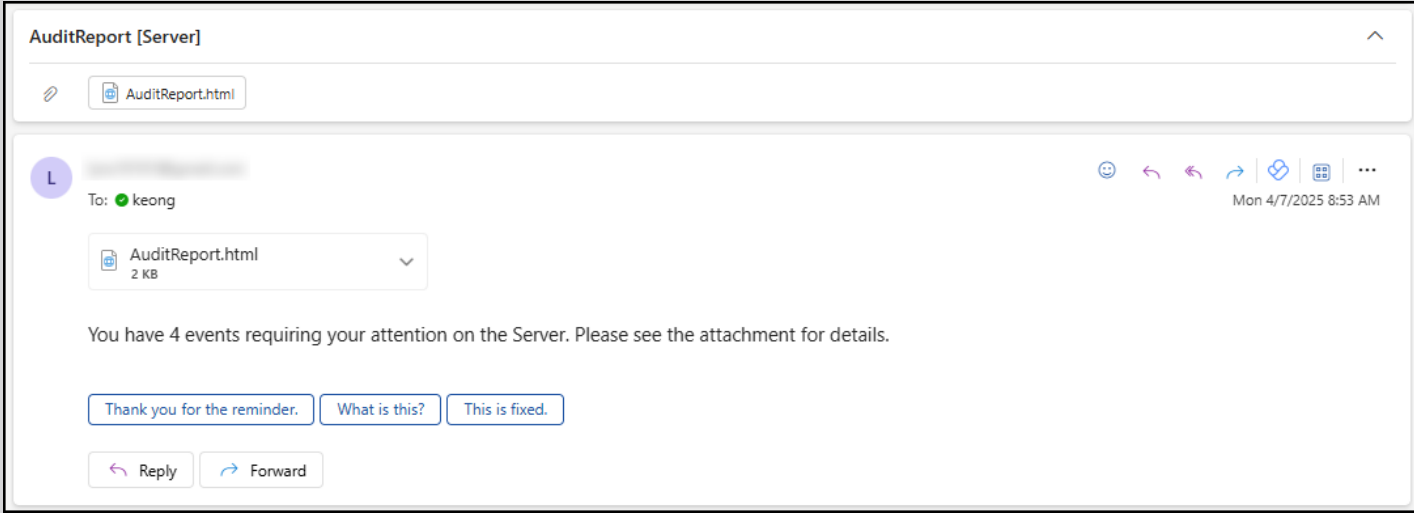
Audit Report as an email attachment.

Audit Report in html format

Temporary permissions – v1.30.0

- Administrator can provide temporary access to a particular resource

Added file-by-file replication option – v1.29.0

- Data Integrity Handling: On startup, the replication process reviews the last MDAT file(s) for integrity. If issues are detected (e.g., due to an unexpected shutdown), it re-copies the previous portion to maintain data consistency.

New map marker – v1.28.0

- 2D zones, with an option to bind them to user buttons and indicators
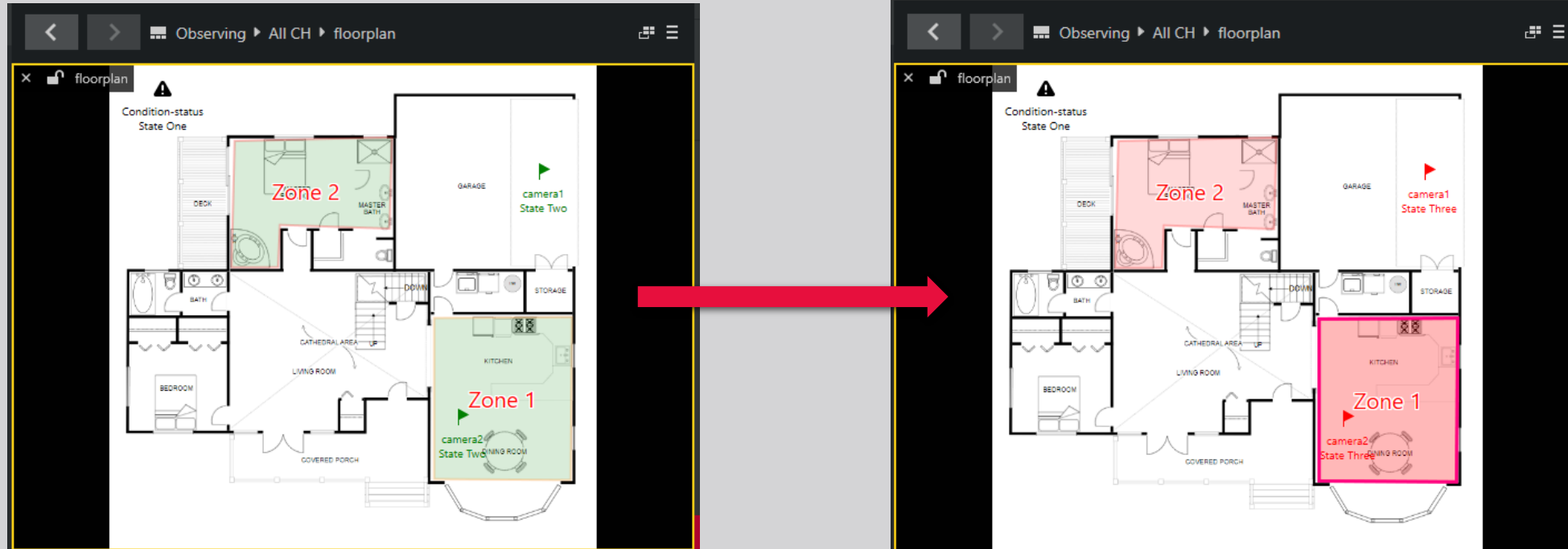
Edge LPR Devices – v1.28.0

- Macula supports Vaxtor LPR on Mobotix MOVE, Vivotek, and Hanwha devices.

Resource tree icons – v1.28.0

- option to define resource tree icons for Visual Groups, Crosslinks, Channels, and User Buttons
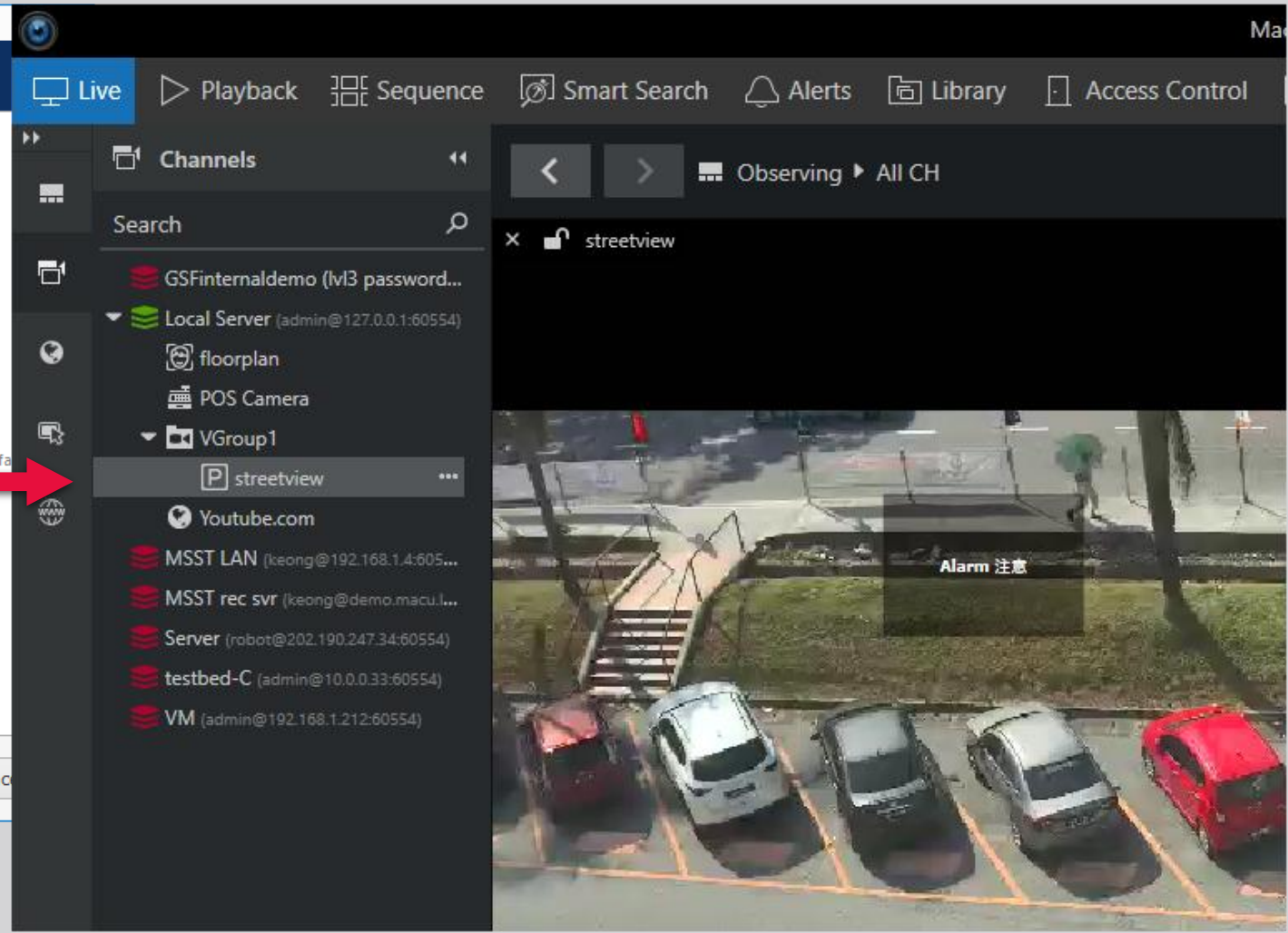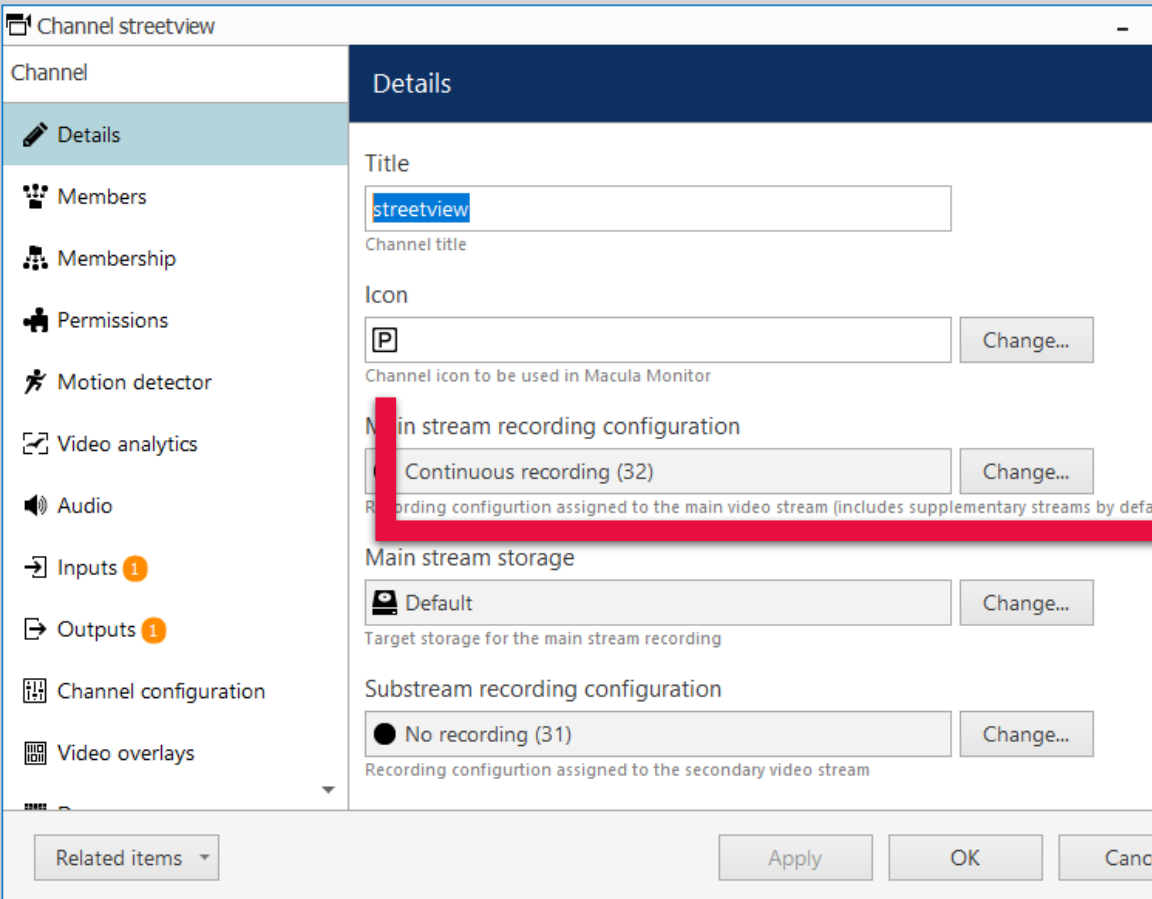
H.265 streaming in Chrome (Web Client) – v1.28.0

- Live & Playback

Stream RTSP video from Macula Server – v1.27.0

- Link template:

    rtsp://user:password@Server_IP:RTSP_port/channel_ID/live/stream_type (main or substream)
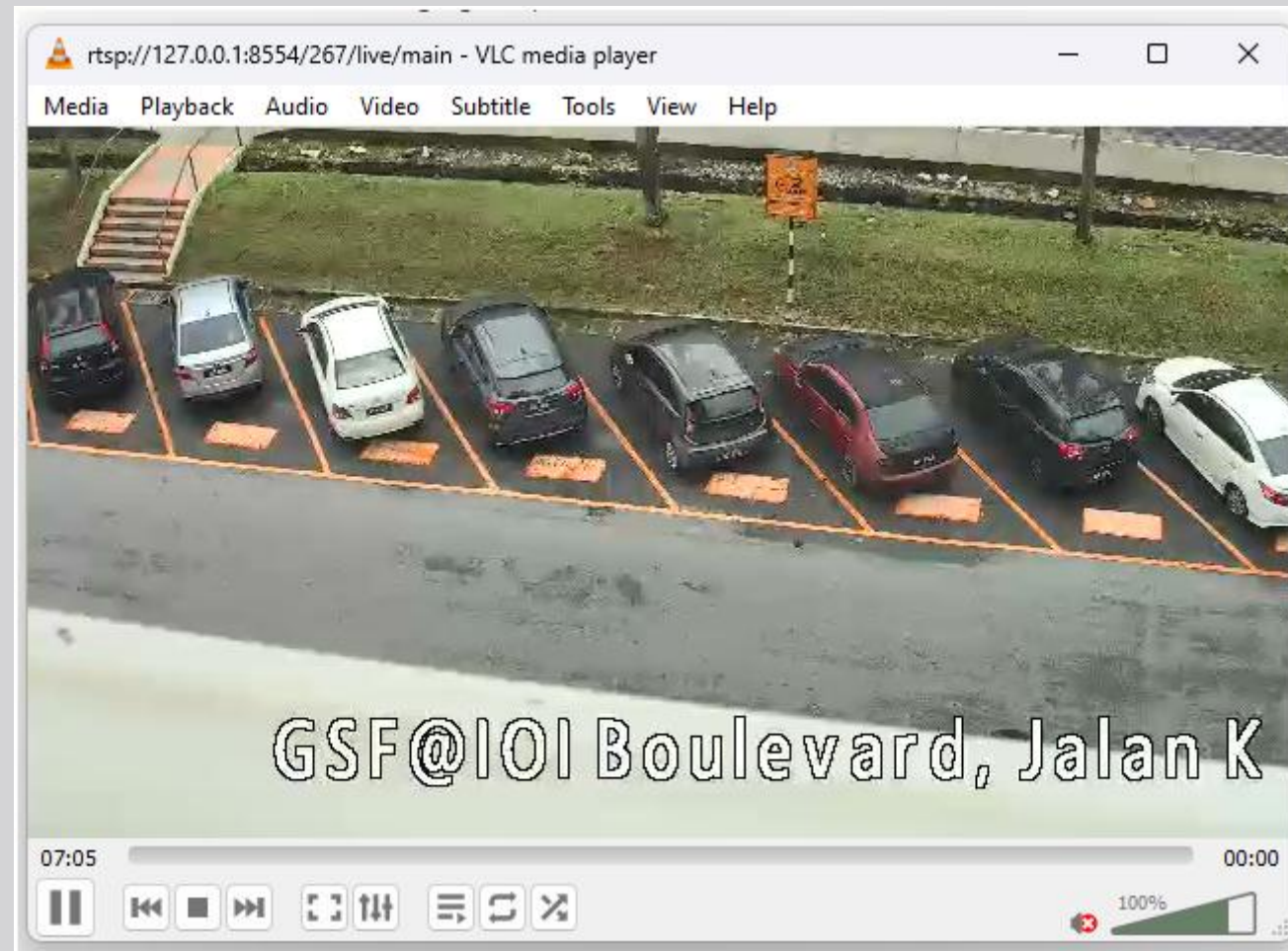
Select layouts for visual groups automatically – v1.27.0
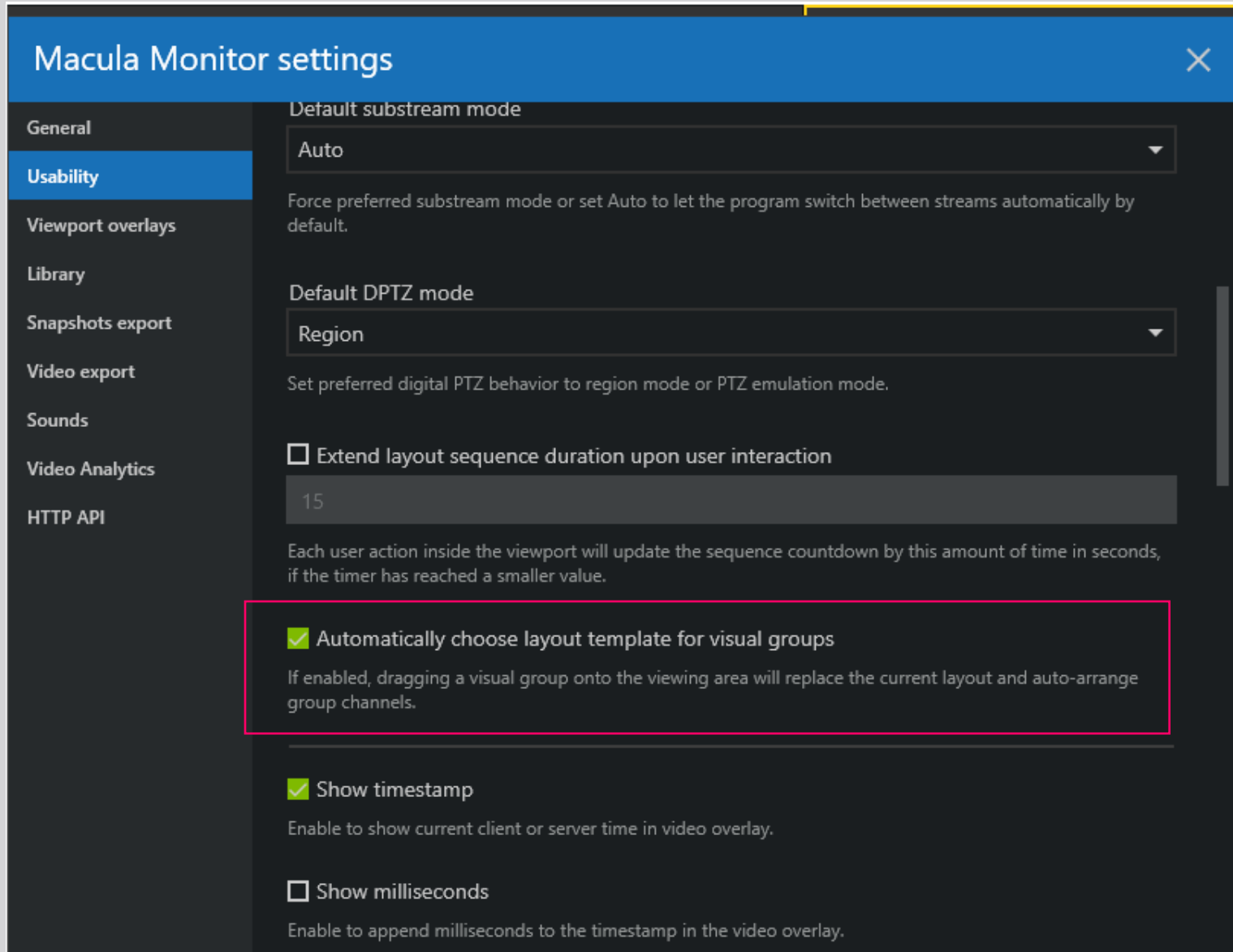
Snackbar style notifications – v1.27.0
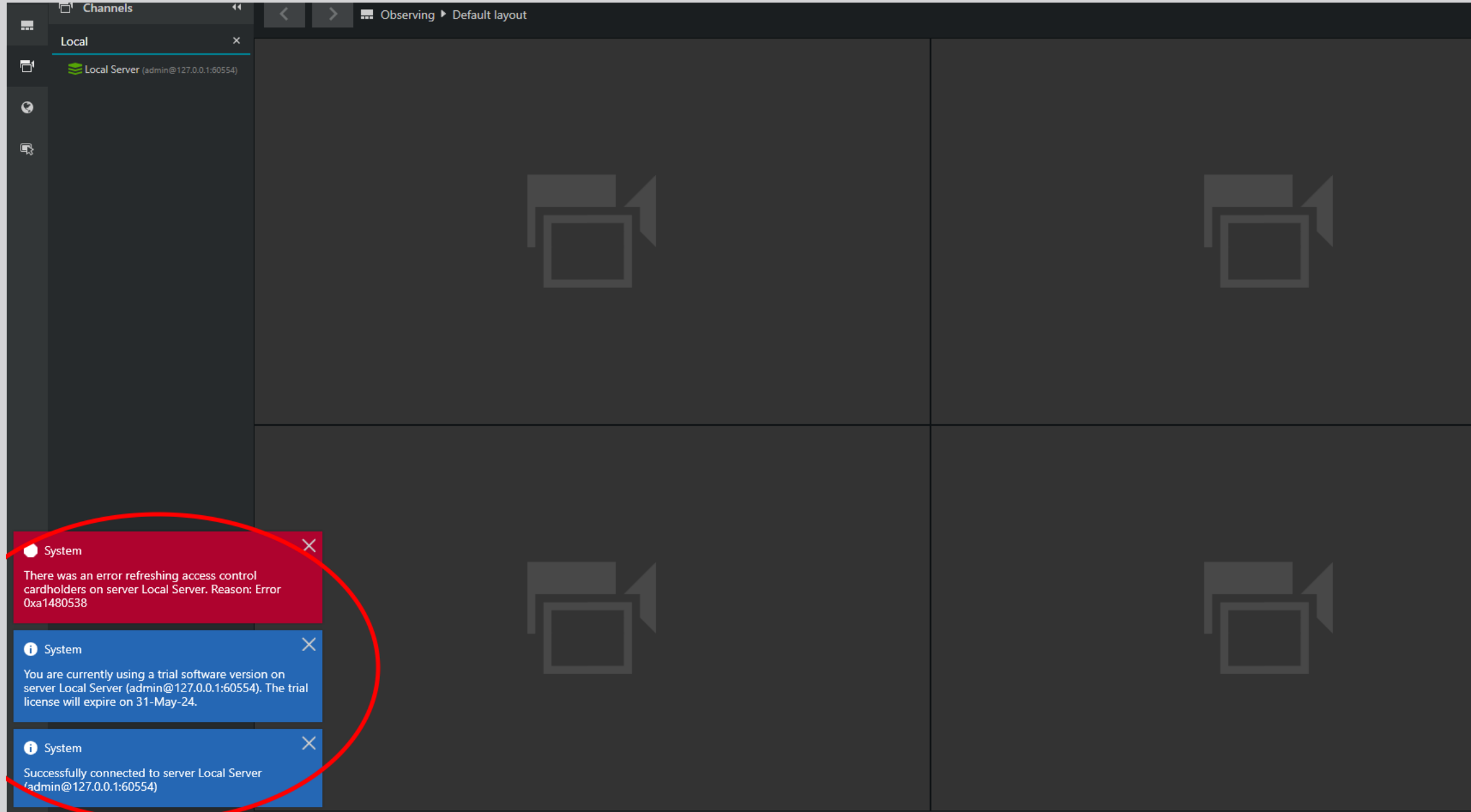
Users and user groups time-based access– v1.26.0

- Assign schedules to users and user groups
- can limit user access options based on the schedules

Option to watermark the video in Monitor – v1.26.0

- Add watermark with the logged-in monitor User's ID over the all Live View and Playback viewports displaying video streams.
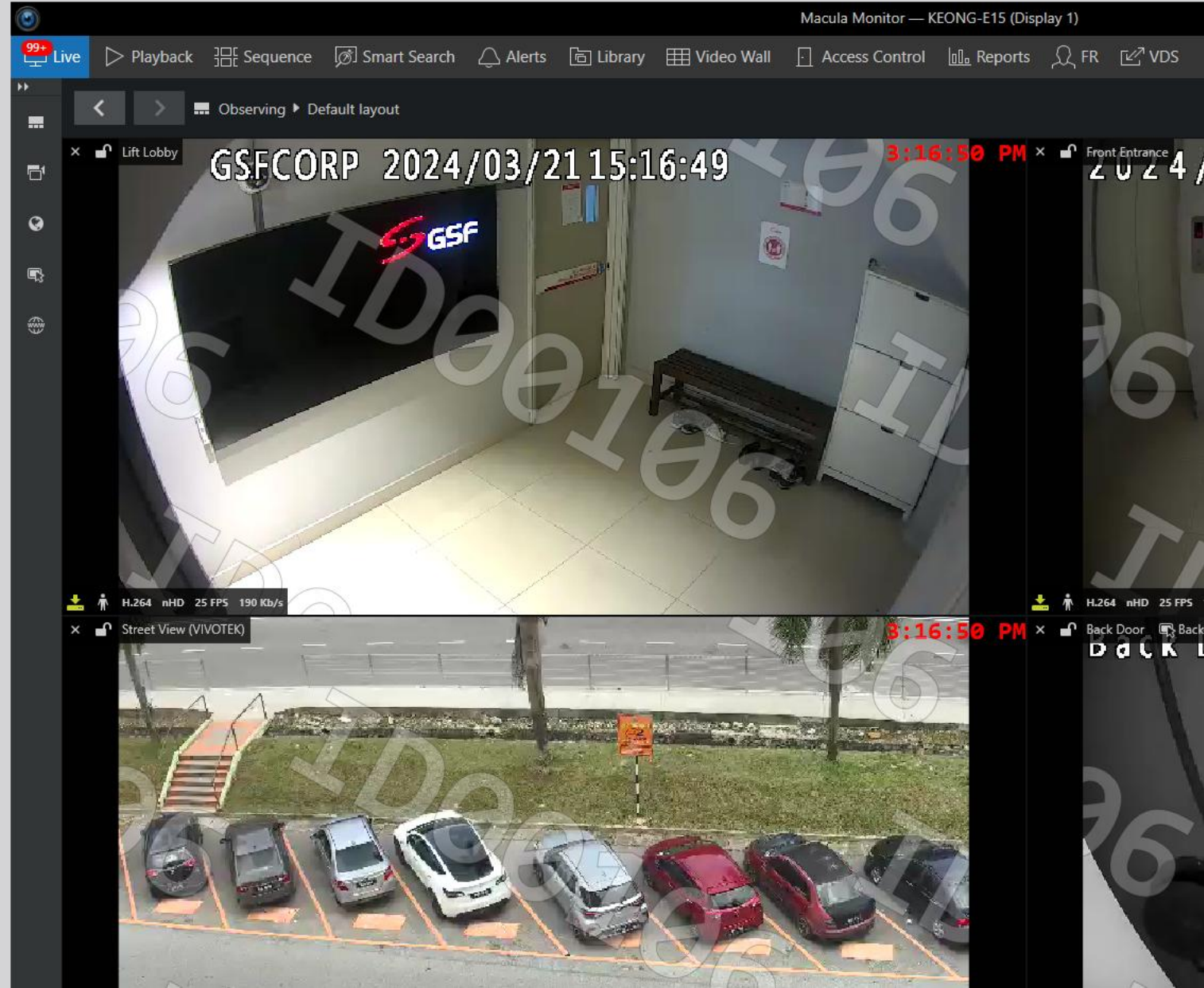
Case Export in Monitor – v1.25.0

- Asynchronous video export of multiple channels with custom time ranges

- Create a "story" video from all the available channels, with different intervals.

Detailed audit event log for archive access – v1.25.0

- Track user activity in the archive playback mode of Macula Monitor
- Playback, Export video, & Snapshots with Start and End time

Event 3717183:Archived data accessed

Event details

Id	(3717183)
Time	06-Sep-23 4:03:46 PM
Class	User
Subclass	User activity
Event	Archived data accessed
Server	Macula Server (101)
User Id	admin (1)
User name	admin
Channel Id	StreetView (141)
Channel title	StreetView
Stream type	Video stream
Time from	25-Jul-23 3:13:37 PM
Time to	25-Jul-23 3:13:38 PM
Remote address	127.0.0.1:14123
Connection type	Client
Connection id	9

Playback   OK

Event 3717187:Archived data exported

Event details

Id	(3717187)
Time	06-Sep-23 4:04:50 PM
Class	User
Subclass	User activity
Event	Archived data exported
Server	Macula Server (101)
User Id	admin (1)
User name	admin
Channel Id	StreetView (141)
Channel title	StreetView
Stream type	Video stream
Time from	24-Jul-23 3:32:31 PM
Time to	24-Jul-23 3:32:46 PM
Remote address	127.0.0.1:14123
Connection type	Client
Connection id	9

Export Video   OK

Event 3717192:Archive snapshot exported

Event details

Id	(3717192)
Time	06-Sep-23 4:05:47 PM
Class	User
Subclass	User activity
Event	Archive snapshot exported
Server	Macula Server (101)
User Id	admin (1)
User name	admin
Channel Id	StreetView (141)
Channel title	StreetView
Time from	25-Jul-23 8:57:54 AM
Time to	25-Jul-23 8:57:54 AM
Remote address	127.0.0.1:14123
Connection type	Client
Connection id	9

Snapshot   OK

Cybersecurity report – v1.24.0

- Four pre-defined security levels range from the lowest to the highest. You can choose any level as a basis and, either leave it is it is, or turn off individual security checks

Cybersecurity report – v1.24.0

- security shield indicates that the setting value does not meet the current cybersecurity level preference

Monitor Auto Logout – v1.7.0

- Monitor auto logout setting in Monitor application after user inactivity
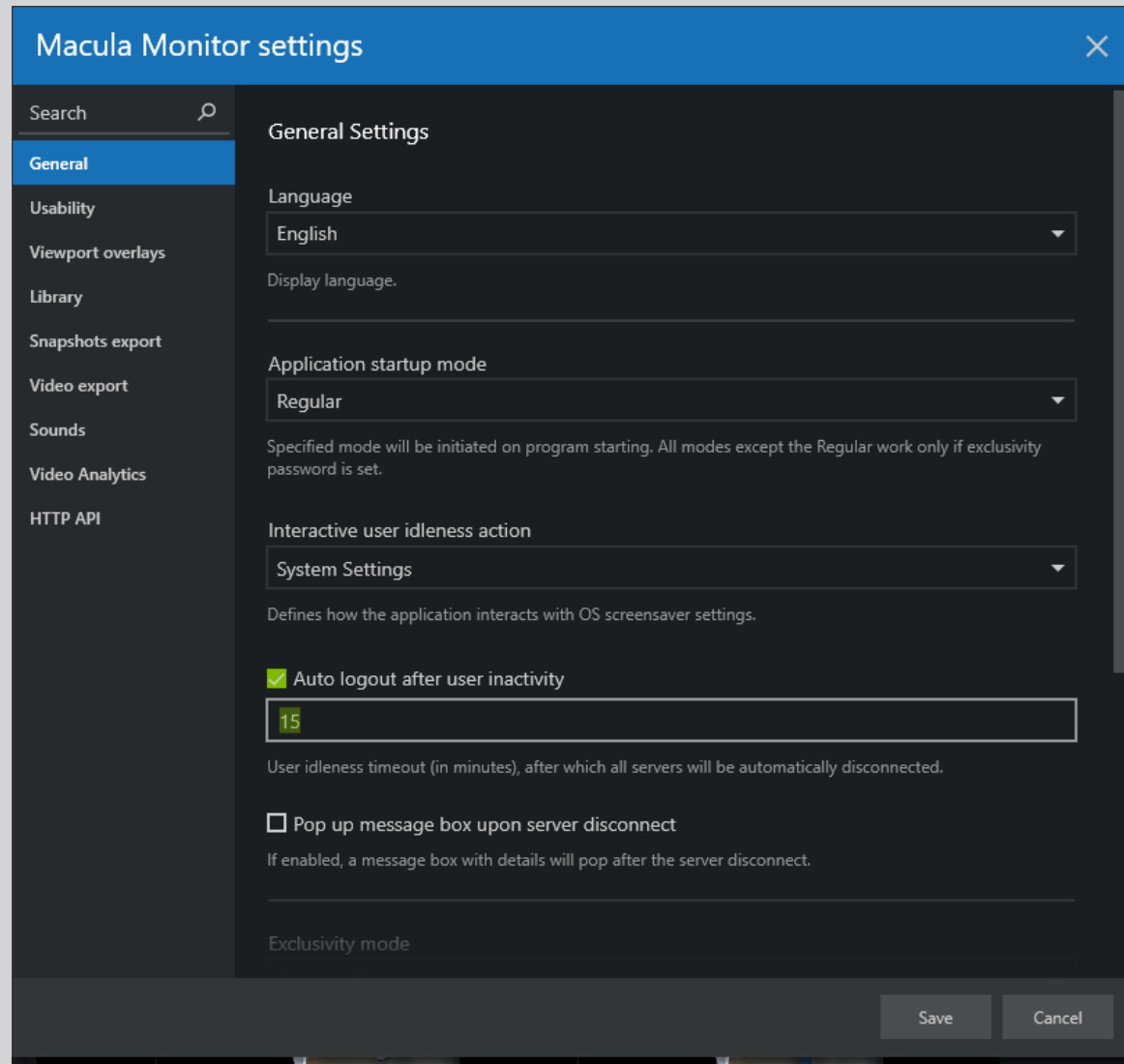
User authentication via OAuth 2.0 – v1.24.0

- OAuth 2.0 authentication provider – Apple, Google Account, Microsoft, Okta
- For Macula Monitor and Macula Console applications
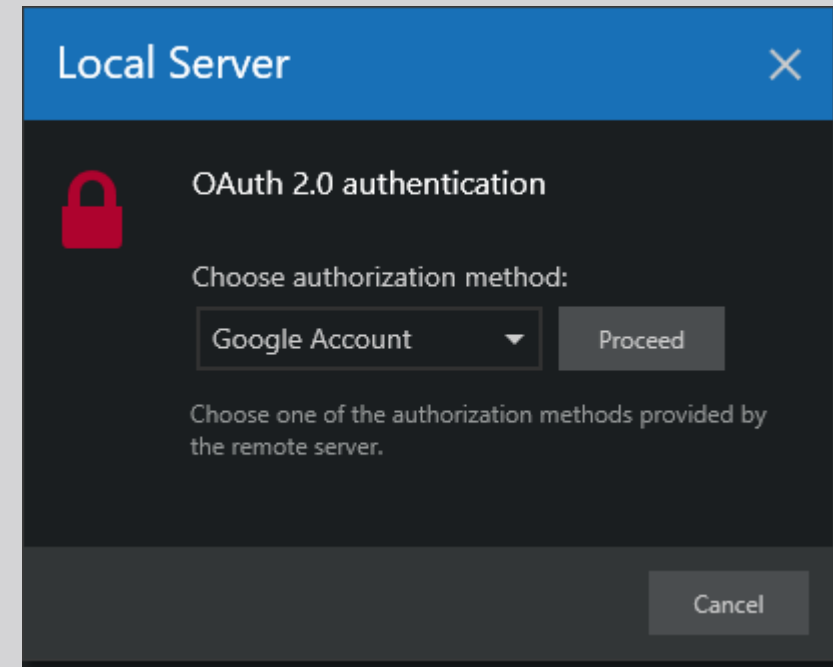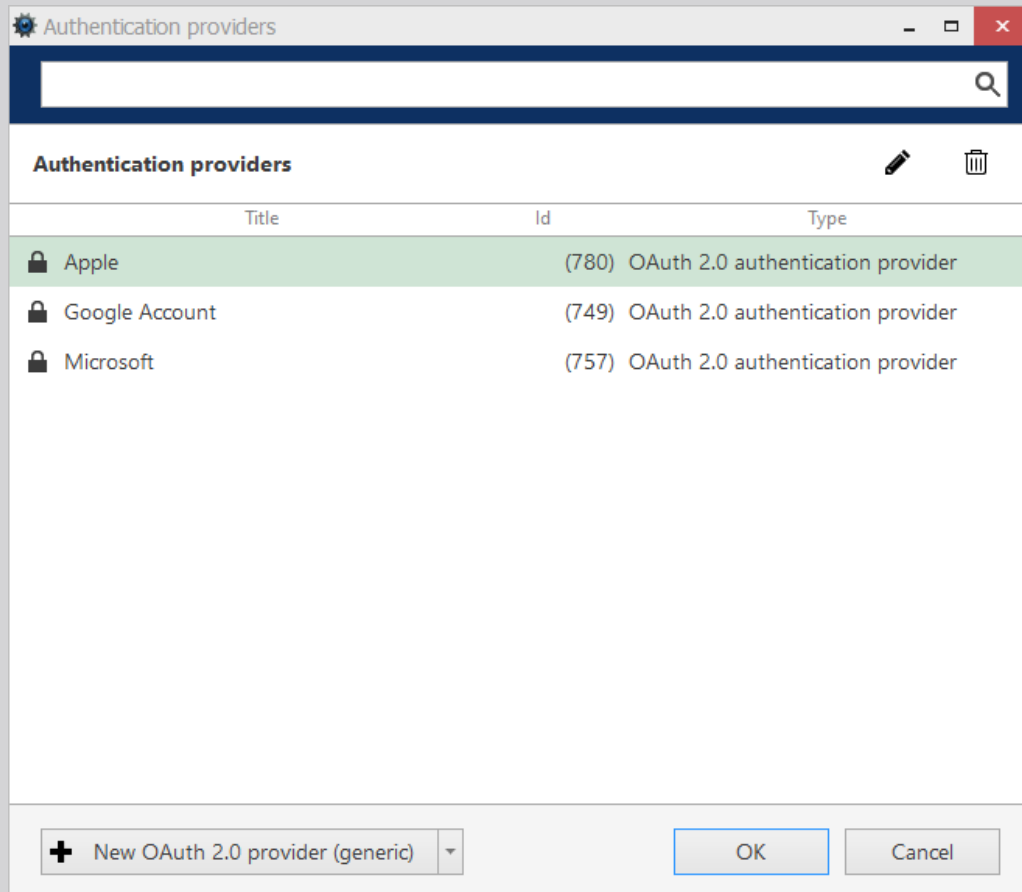
i-PRO Active Guard integration – v1.24.0

- People Detection

- Gender – Age - Hair length - Hair color - Sunglasses - Beard - Mask - Tops type -

- Tops color - Bottom type - Bottom color - Bag - Bags color - Shoes

- Vehicle Detection

- Type (Truck/Bus/SUV/Van/Sedan/Pickup/Two wheels) - Color

i-PRO Active Guard integration – v1.24.0

Built-in MQTT client – v1.22.0

- Host MQTT clients
- subscribe MQTT topics
- publish MQTT messages.

Alarm Pane – v1.19.0

- Display alarm events
  - Severity
  - color &
  - comments
- Tabs with different filters

Export Snapshot as PDF Report– v1.18.0

General Features of Macula Professional

Mobile Applications

- Use your mobile device to access live and archived streams.
- Trigger action like I/O via user defined buttons.
- Turn you mobile into a surveillance cameras.
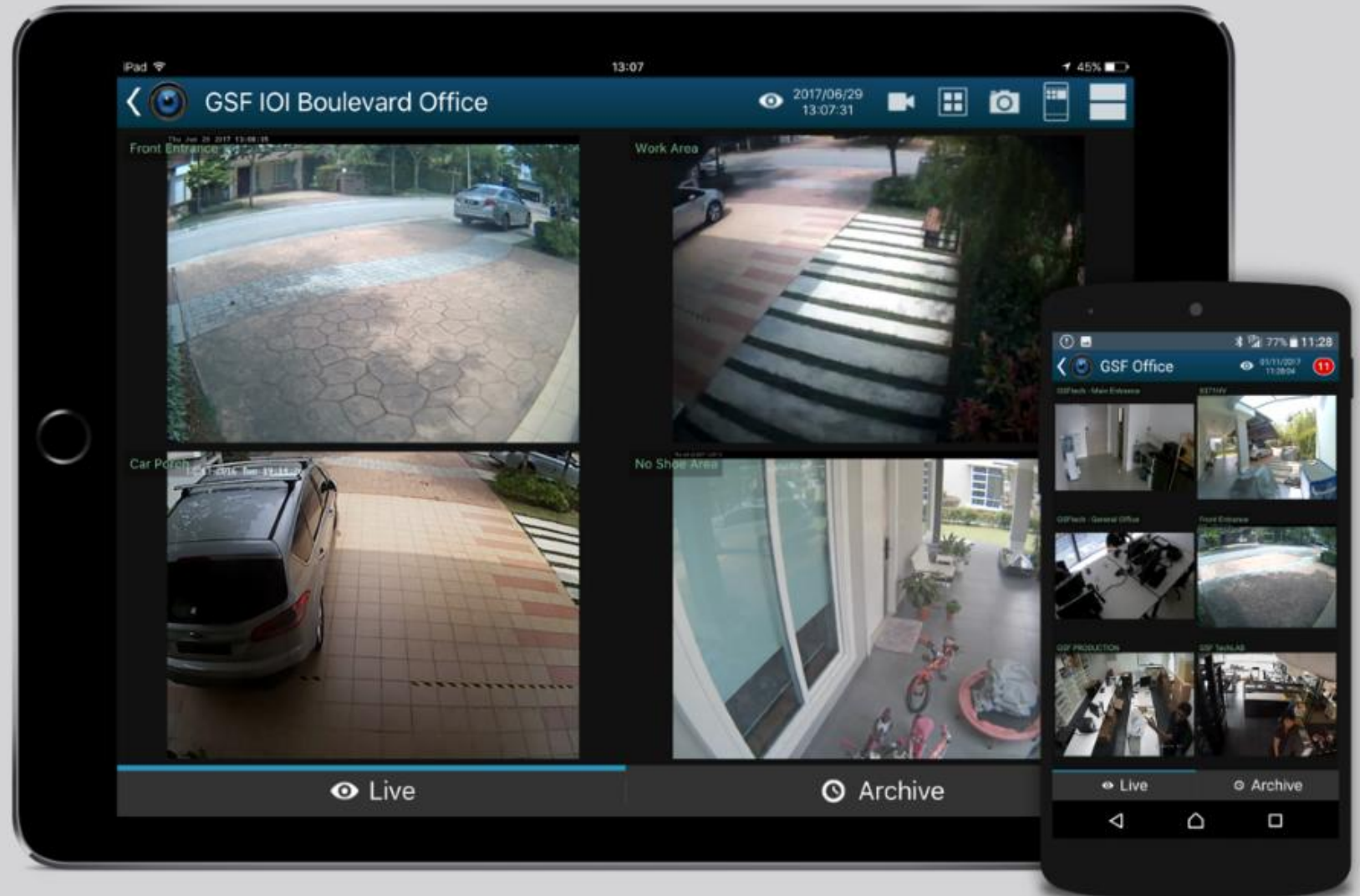
General Features of Macula Professional

Edge Recording

- Synchronize all your data with IP device storage with ONVIF-G Profile.

- By doing this, even if the network connection with any camera is lost, your data will still be recorded by the camera.

- It will be transferred in full to your server as soon as the network connection is reestablished.
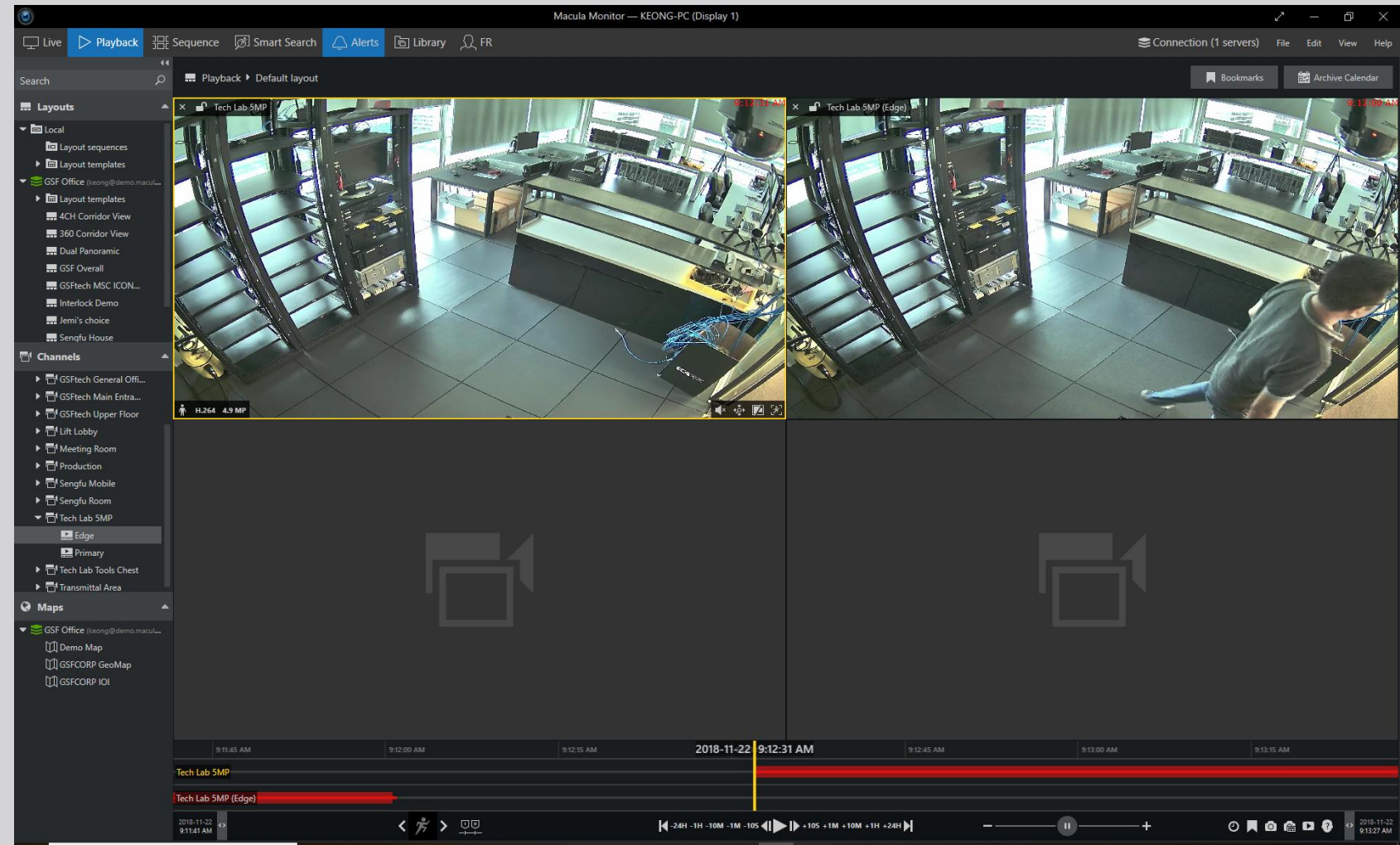
General Features of Macula Professional

Ai Camera
- Human Detection
- Perimeter Intrusion
- Crowd Detection
- Human Count & Report
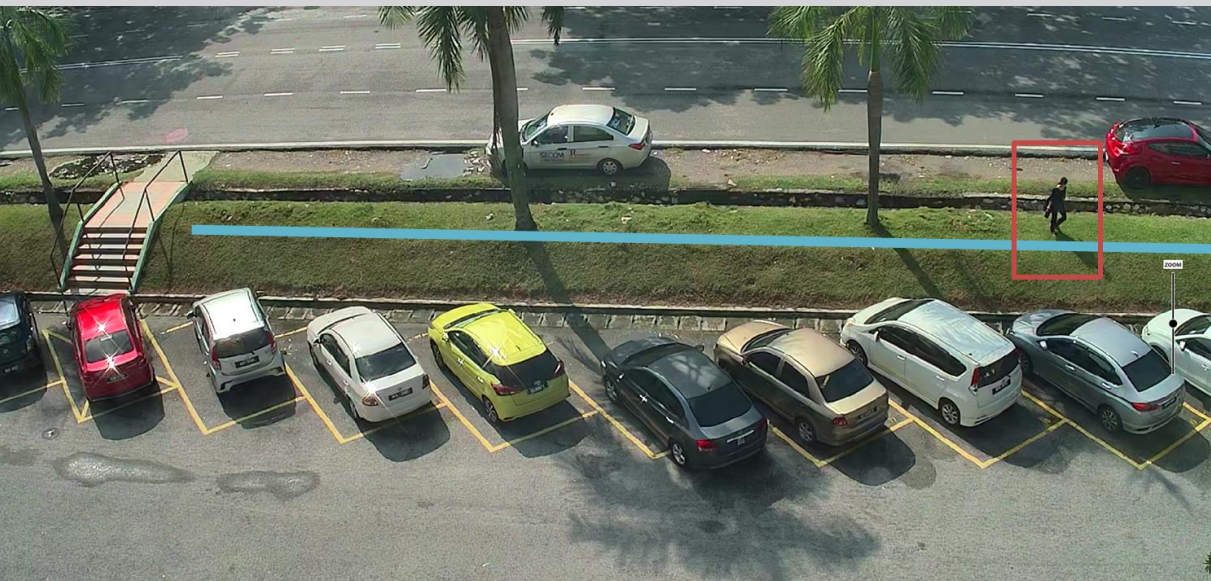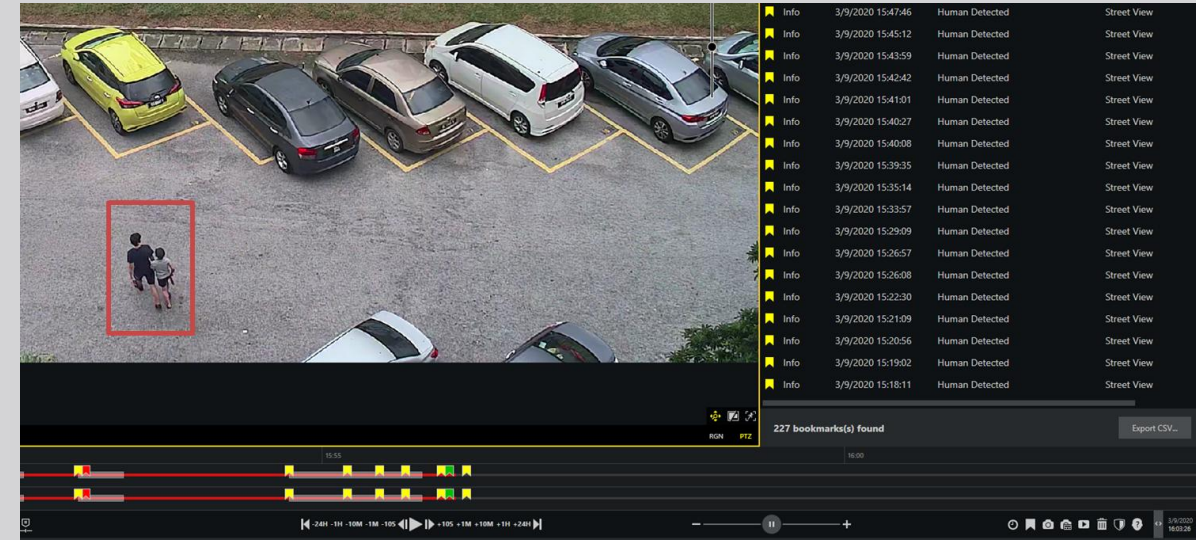
General Features of Macula Professional

Maps

- Complete examination of the entire installation of cameras, providing an immediate visual verification.
- All the alerts are integrated with the maps and can be set up so that they can be viewed on the overview as well you are able to immediately specify the location of the alarm event.
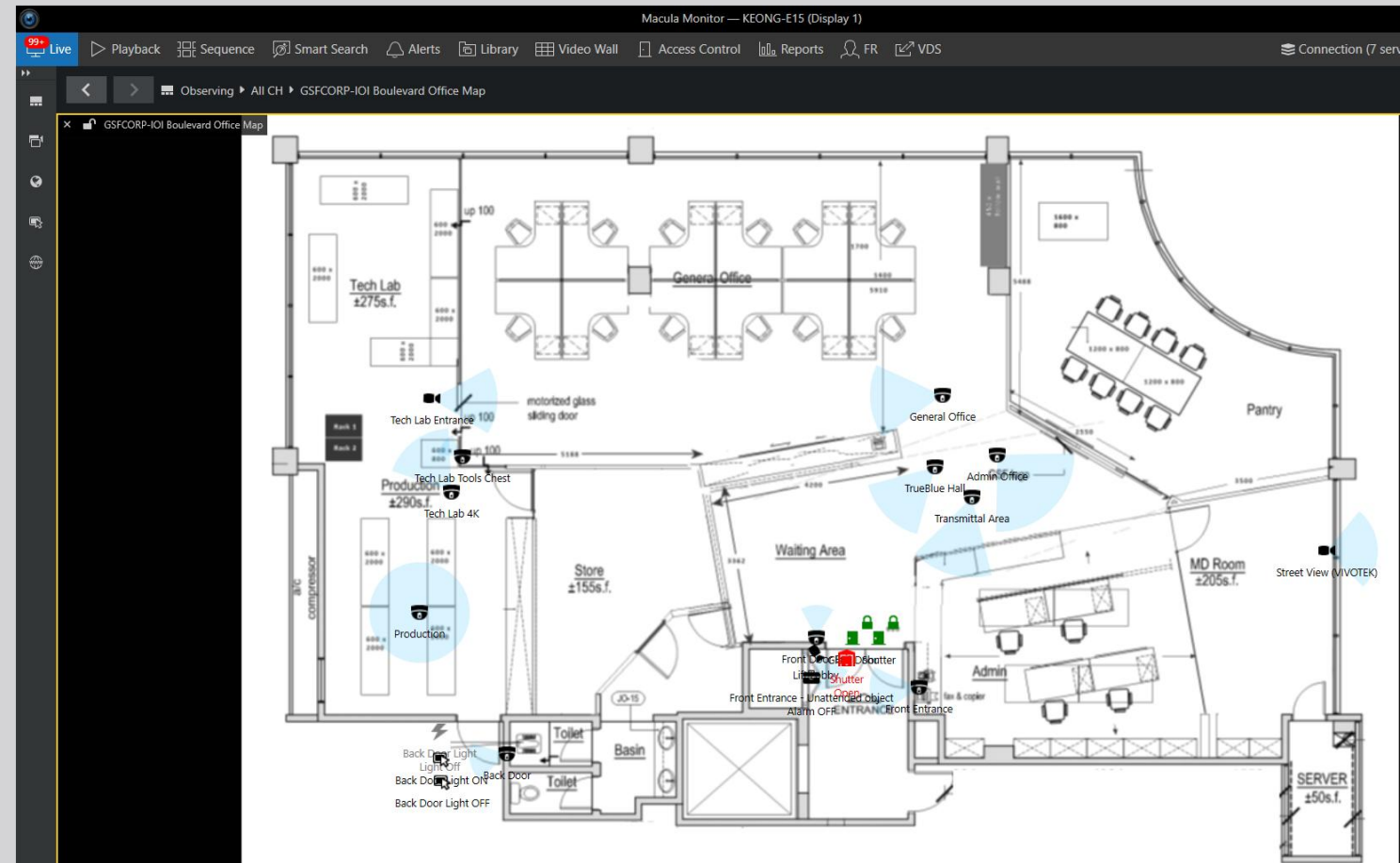
General Features of Macula Professional

Web access

- Get permanent access to live streaming and archive video through your web browser
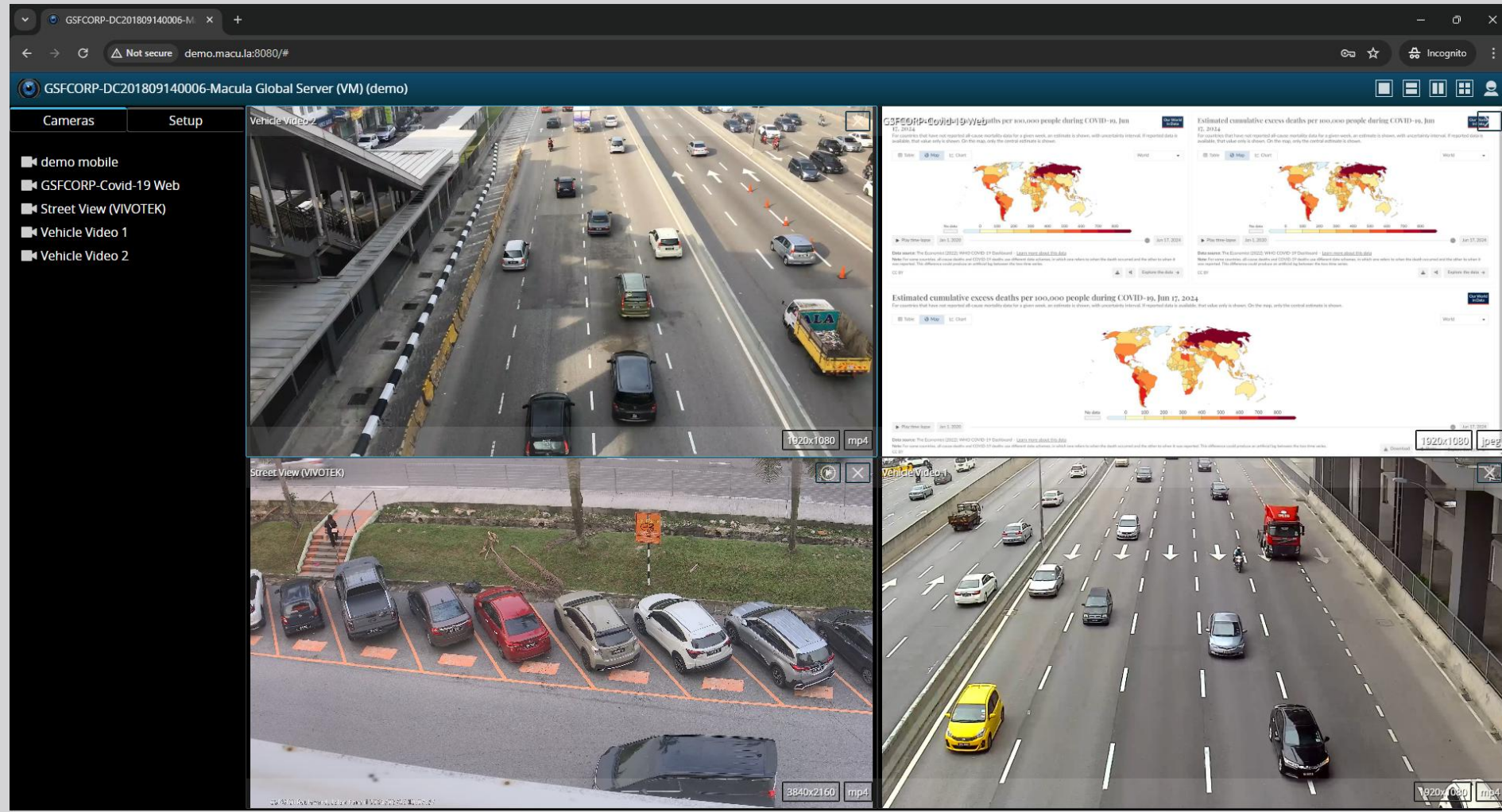
General Features of Macula Professional

Smart Logic Event and Action Manager

- Specify your desired outcome of your video surveillance system's operation. Determine how software reacts to any event caught on camera and how it turns them into an automated process.
- Send emails, activate DI/DO, interact with any other software or just bring the attention of the operator to the camera that requires their immediate action.
- The functionality can be used not just for a single event, but a set of sequenced events to get rid of false alarms and improve the efficiency of your surveillance system.
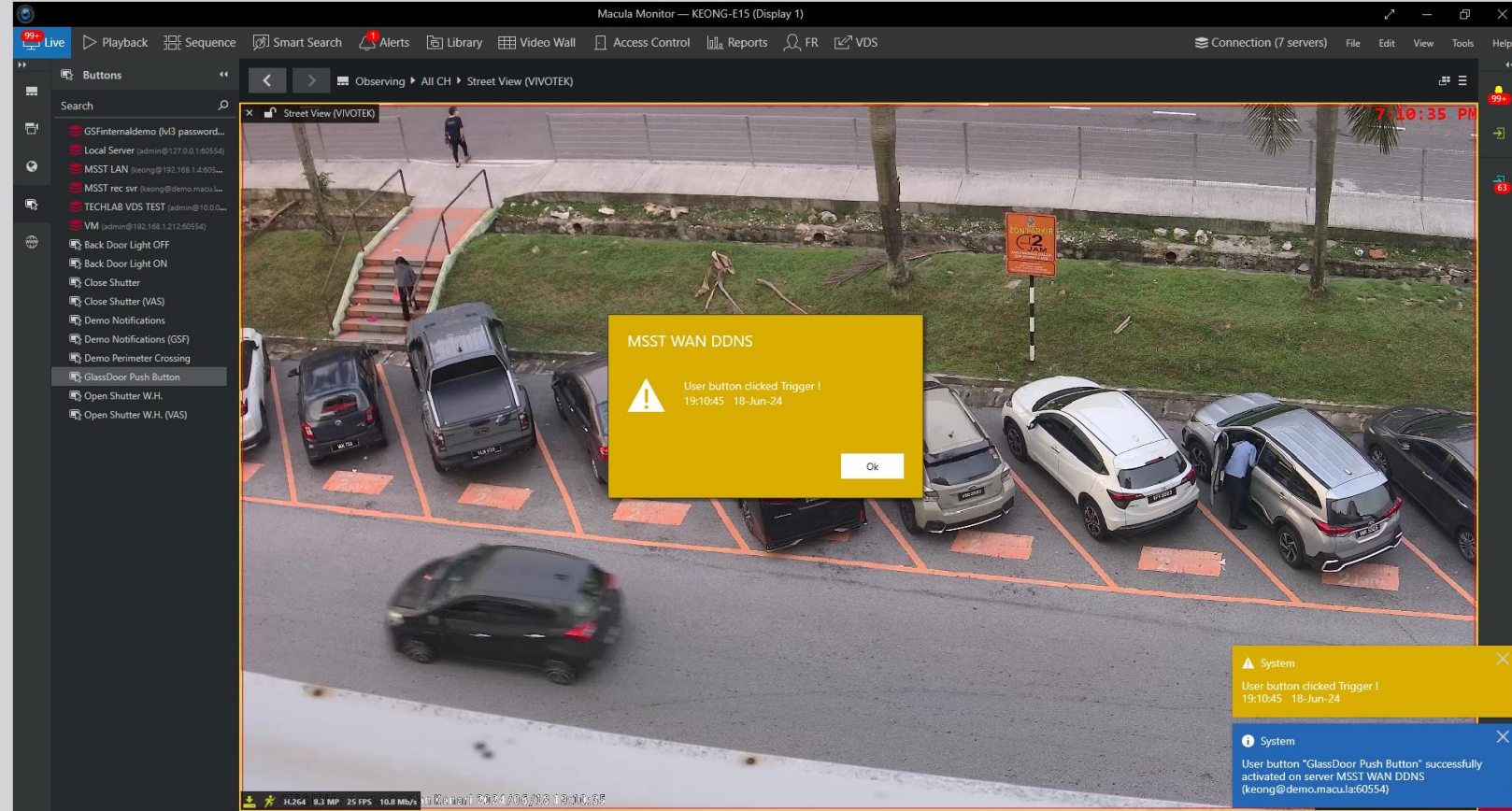
General Features of Macula Enterprise

Centralized Managed

Effective and Efficient in Operation

Single login, multiple managed, make management of large-scale surveillance much more effective, and easier to maintain. For example, you required to change a user account password, you only changed once at central server, and it will automatically be synced to all servers. Thus, saving on human capital cost and expenses.

Central server hold all:
- User accounts
- User permission
- All resources like cameras
- Settings
- Configurations
- Security Policy
- Licenses

Central Server

Mobile & Web Clients

Recording Server 1

Recording Server 2

WWW, LAN, WAN

Central Server - Mirror

Video Wall Workstation

Video Wall

Operator Workstation

GSF
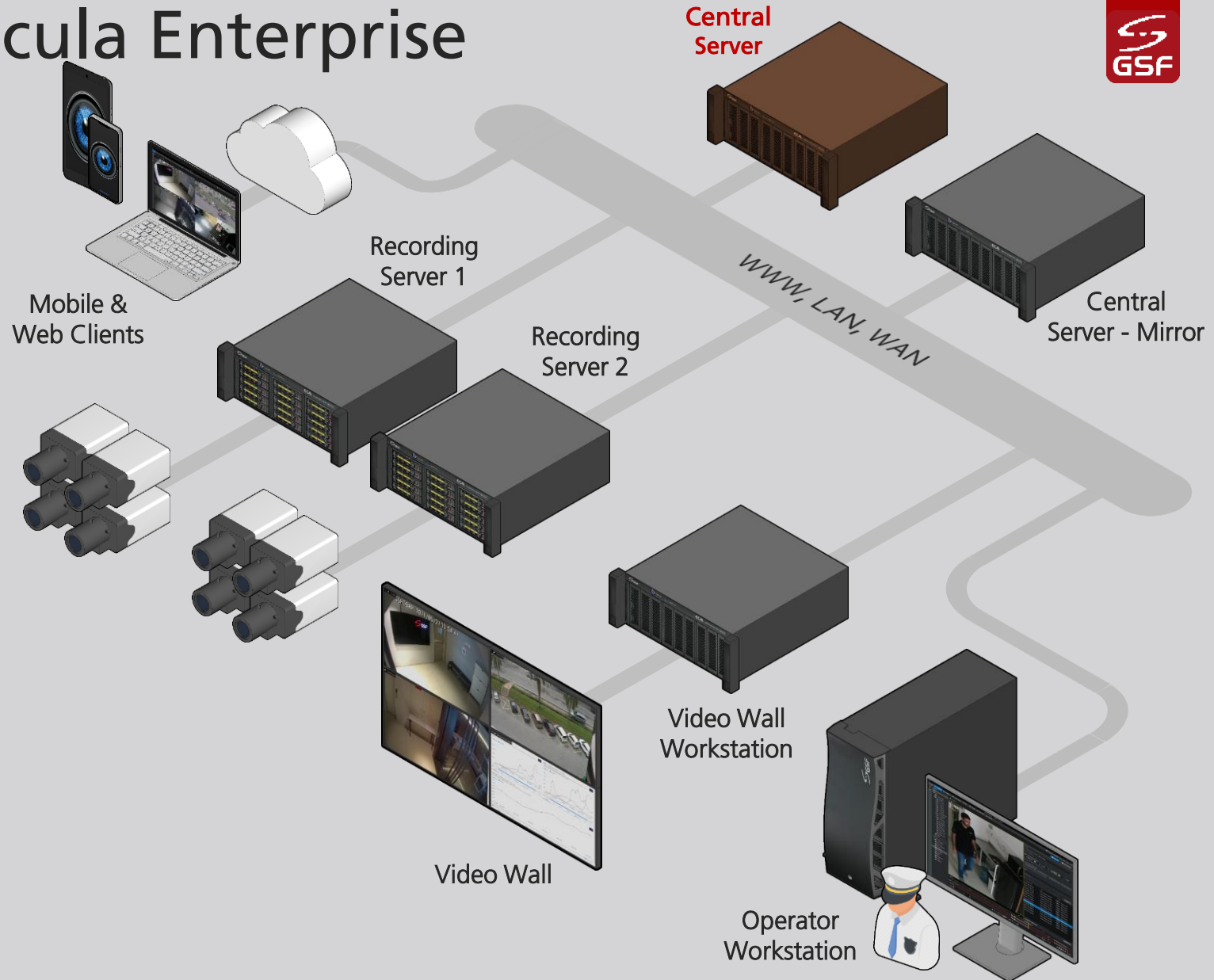
General Features of Macula Enterprise

Archive replication

- Make your local recording server into a buffer server.
- In large enterprises, this allows for convenient local usage and scheduled or constant data transfer to Central Data Centre, whenever the network is available.
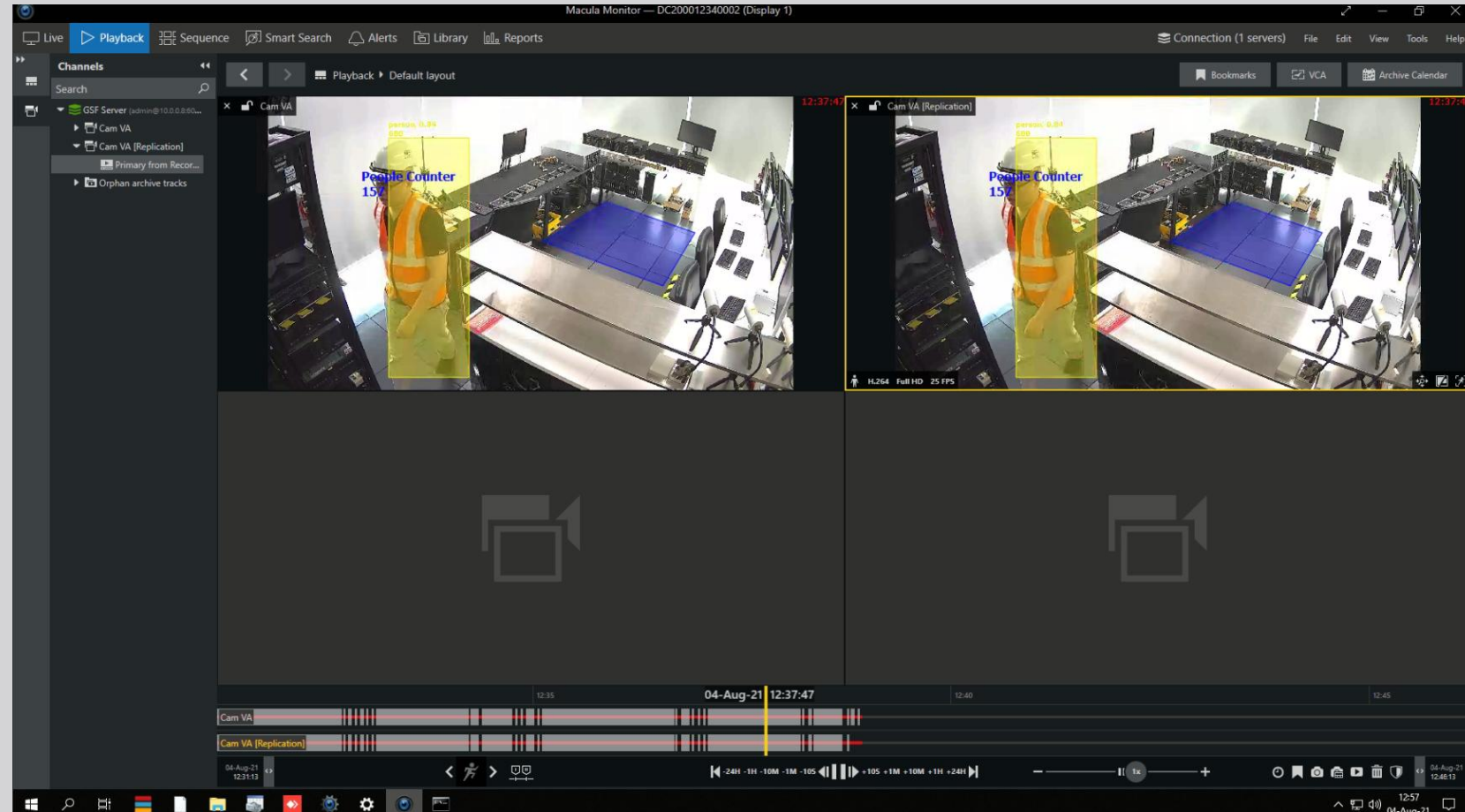
General Features of Macula Enterprise

Video Wall

- Get the most out of your video wall in the control room.
- Macula Video Wall offers improved configuration and functionality, as well as the ability to easily manage large display installations.
- It is vital for operating large-scale video surveillance systems, especially where the ability to easily examine the area and quickly react to alarm events is essential.

General Features of Macula Enterprise

Failover

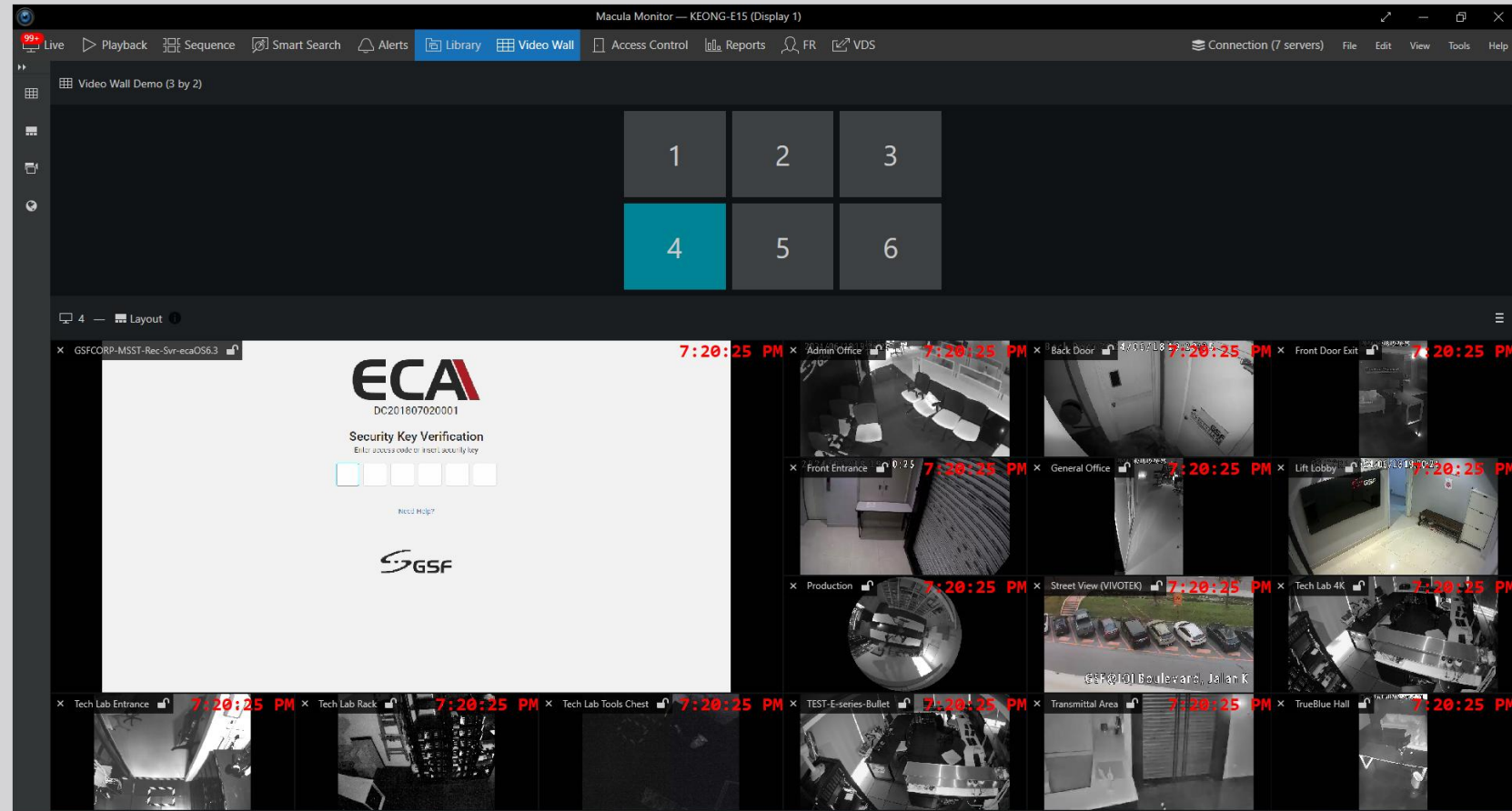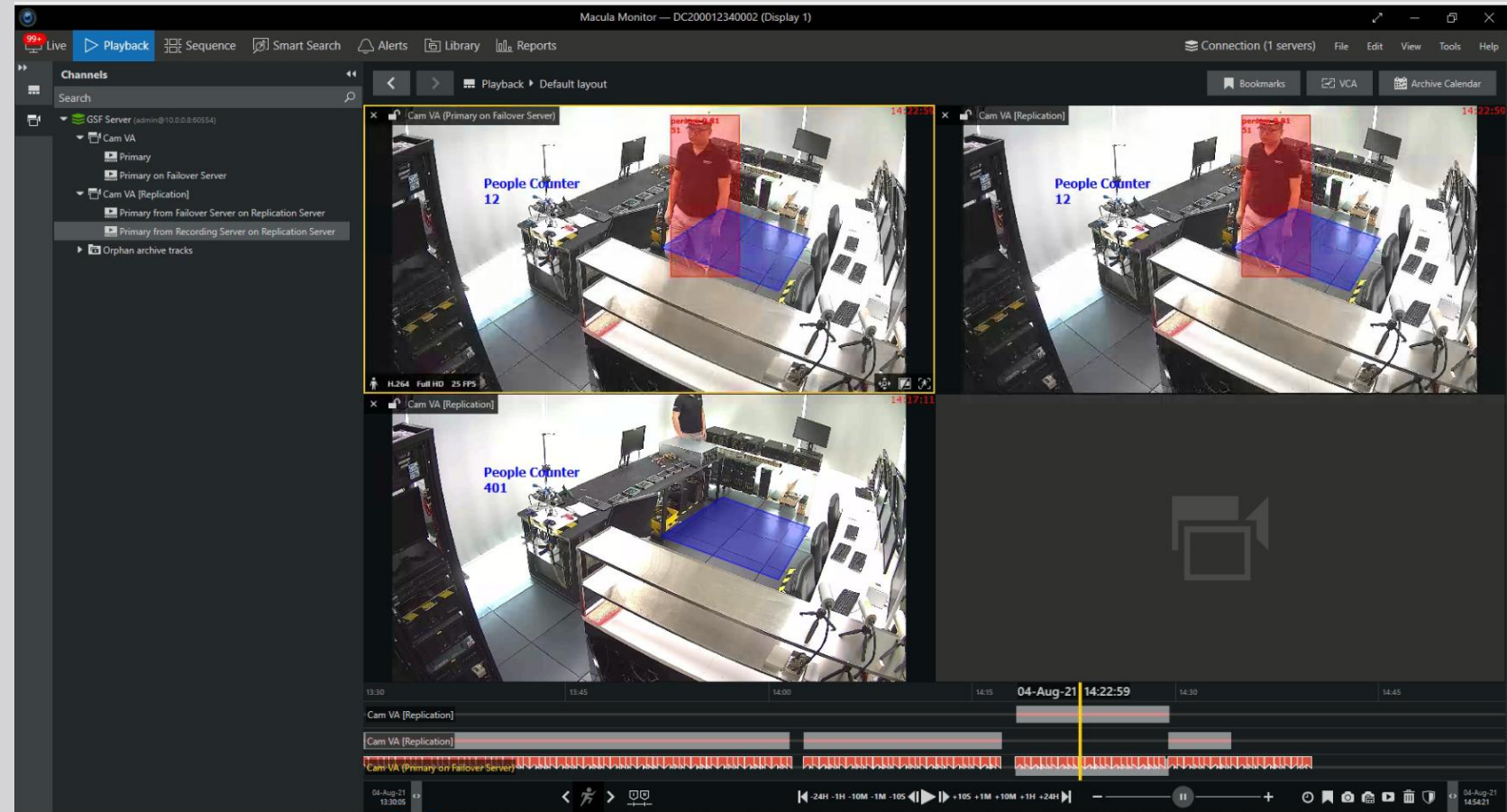- Automated recovery of your system in the event of a sudden server failure.

- Macula Enterprise carefully tracks operations of all servers, and, in case any of the servers has failed, it quickly activates a spare server to perform the actions that the malfunctioning server was performing prior to failing.

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