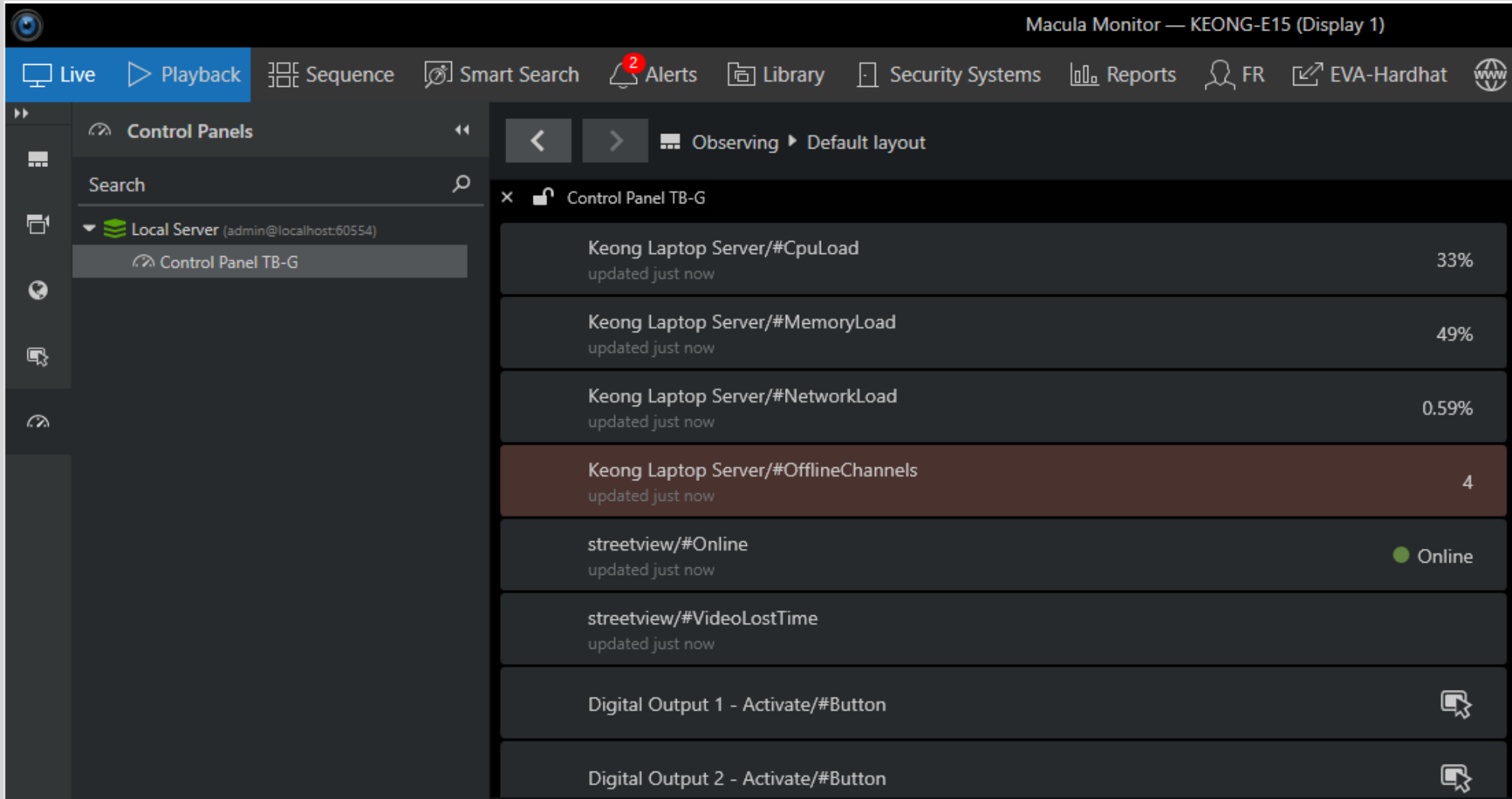


Macula New Features

V1.31.0

Control Panel – v1.31.0

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



The screenshot displays the Control Panel v1.31.0 interface. The top navigation bar includes tabs for Live, Playback, Sequence, Smart Search, Alerts (with a red notification badge), Library, Security Systems, Reports, FR, EVA-Hardhat, and a WWW icon. The left sidebar shows a tree view under 'Control Panels' with 'Local Server (admin@localhost:60554)' expanded, and 'Control Panel TB-G' selected. The main content area, titled 'Control Panel TB-G', shows a list of metrics for 'Keong Laptop Server' and 'streetview'.

Metric	Value	Status
Keong Laptop Server/#CpuLoad	33%	
Keong Laptop Server/#MemoryLoad	49%	
Keong Laptop Server/#NetworkLoad	0.59%	
Keong Laptop Server/#OfflineChannels	4	
streetview/#Online	Online	Online
streetview/#VideoLostTime		
Digital Output 1 - Activate/#Button		
Digital Output 2 - Activate/#Button		

Control Panel

Syslog Client – v1.31.0



- Forward all audit events to external syslog server

The screenshot displays the Syslog Client v1.31.0 interface. On the left is a sidebar with a list of configuration categories: Server, Details, Membership, Permissions, Connections (2), Watchdog, Storage (1), Security policy (11), Two-factor authentication (1), Authentication providers, Audit policy, Syslog server (selected), External databases, Bookmark policy, and Security systems. The main panel is titled 'Syslog server' and contains the following configuration fields:

- Mode:** Use custom settings
- Host:** 192.168.1.113
- Port:** 514
- Protocol:** Udp
- Format:** Rfc3164

Below the configuration fields, a table displays received messages. The table has columns for Time, IP, Host, Facility, Priority, Tag, and Message. Three messages are shown, with the middle one selected.

Time	IP	Host	Facility	Priority	Tag	Message
Jul 16 13:31:19	192.168.1.113		local0	info	VMSServer[7364]	Event: Configuration loaded, information: The operation completed successfully, additional information: [Data version]=611; [Old de
Jul 16 13:32:03	192.168.1.113		local1	info	127.0.0.1:10394 VMSServer[7364]	User name: admin, user id: 1, remote address: 127.0.0.1:10394, connection type: Console, event: Storage directory updated, info
Jul 16 13:32:04	192.168.1.113		local0	info	VMSServer[7364]	Event: Configuration loaded, information: The operation completed successfully, additional information: [Data version]=612; [Old de

A 'Message content' dialog box is open, showing the details of the selected message:

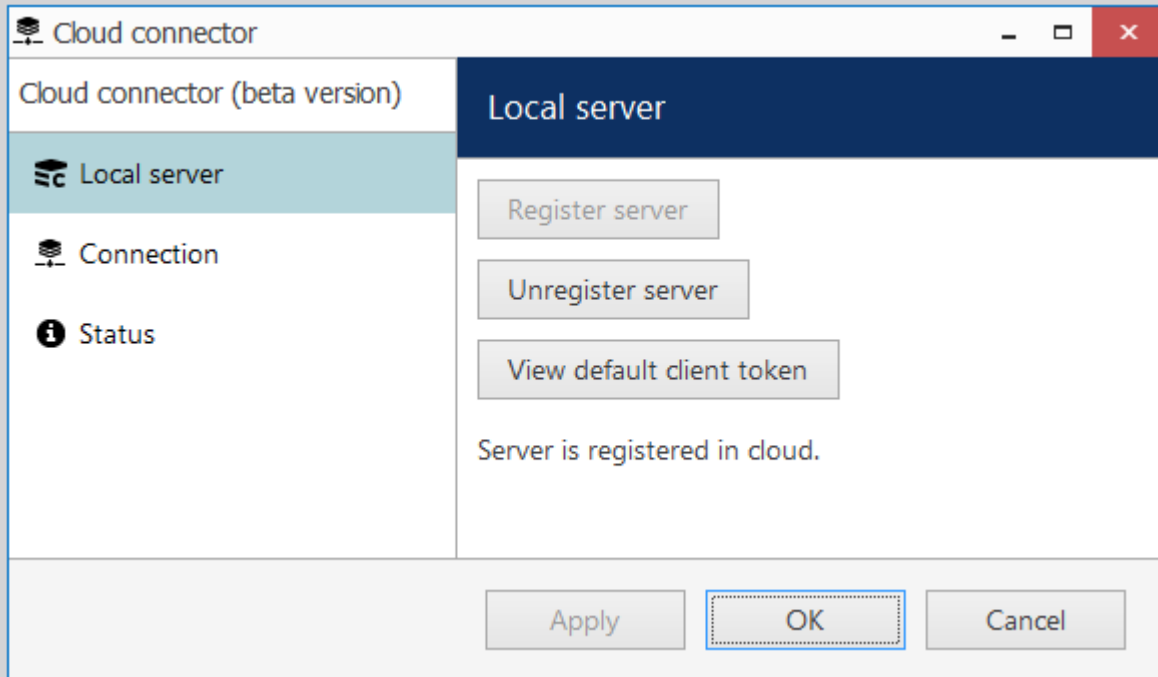
```
Time: Jul 16 13:32:03
IP: 192.168.1.113
Host:
Facility: local1
Priority: info
Tag: 127.0.0.1:10394 VMSServer[7364]
Message: User name: admin, user id: 1, remote address: 127.0.0.1:10394, connection type:
Console, event: Storage directory updated, information: The operation completed successfully,
additional information: [User Id]=1; [User name]=admin; [Server Id]=101; [Server title]=Keong
Laptop Server; [Storage Id]=CentralServer.ServerStorage(0); [Storage name]=Default; [Directory
Id]=101; [Directory path]=D:\Macula\Archive Files; [Updated fields]=Directory quota space: 40960
MB => 20480 MB; [Remote address]=127.0.0.1:10394; [Connection type]=Console; [Connection
id]=1
```

The dialog box has an 'OK' button at the bottom right.

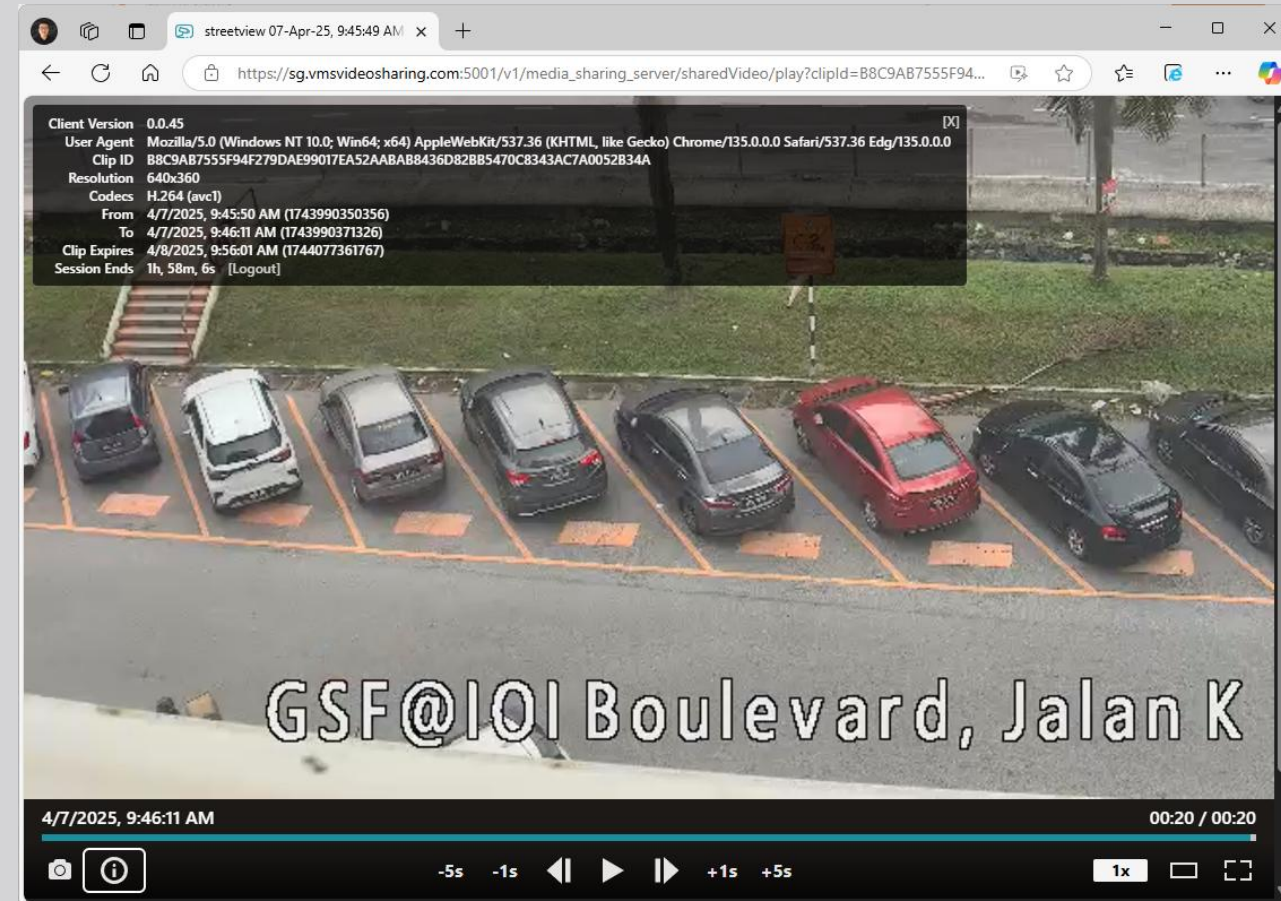
Cloud connector & video sharing – v1.30.0



- Available in both Enterprise and Professional editions.

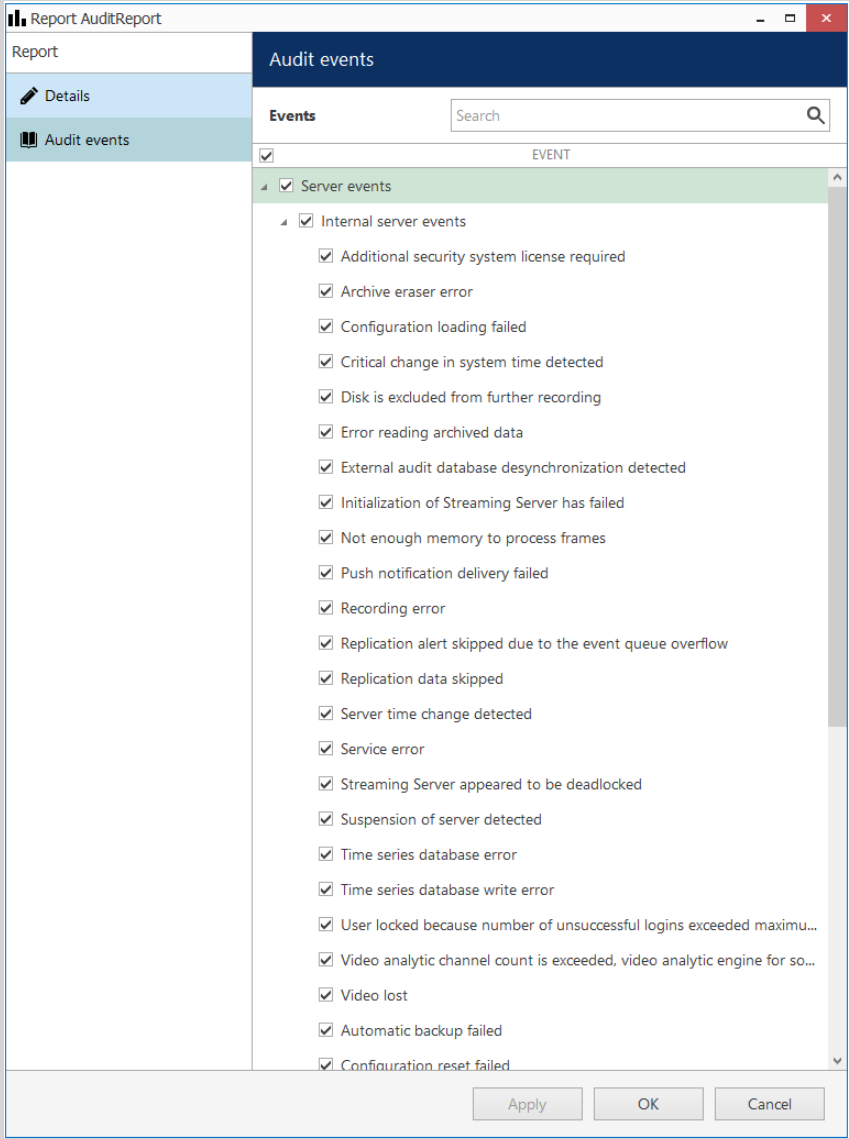


Cloud connector registration

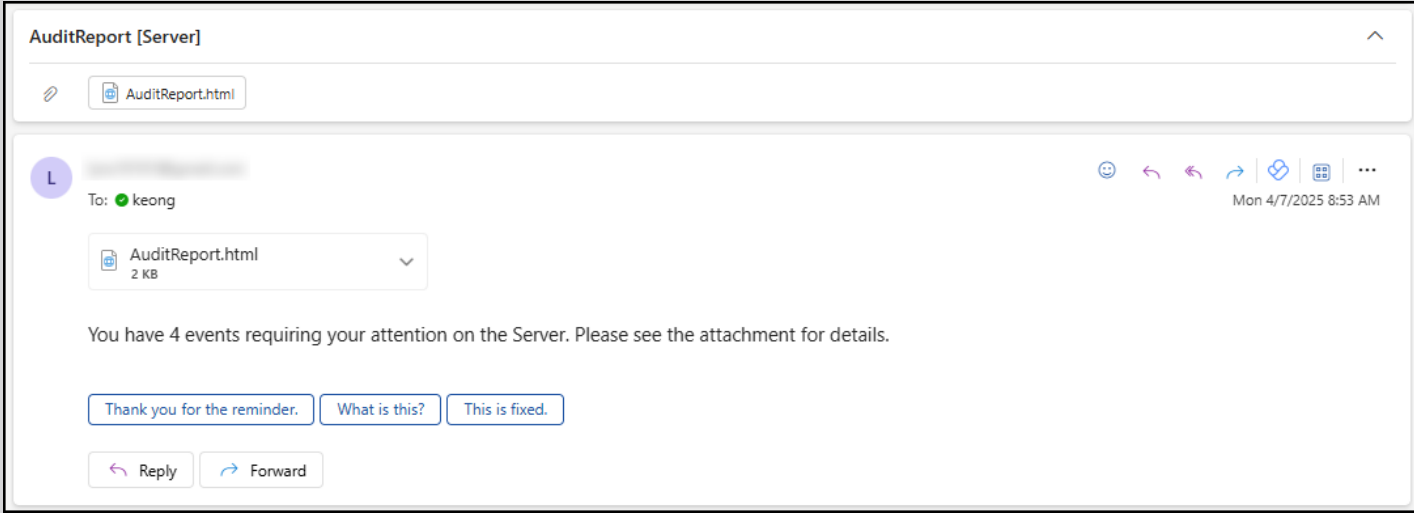


Video sharing

Audit Report based on Critical events – v1.30.0



Audit Events



Audit Report as an email attachment.

The screenshot shows a web browser window displaying the audit report in HTML format. The address bar shows the file path: 'C:/Users/keong/OneDrive%20-%20GSF%20Corporation/Desktop/AuditReport.html'. The page title is 'Server events'. Below the title is a table with 6 columns: Time, Event, Server, Information, Additional information, and Event id. The table contains 5 rows of data.

Server events					
Time	Event	Server	Information	Additional information	Event id
05-Apr-25 1:05:20 PM	Video lost	Server (101)	The operation completed successfully	[Channel Id]=267; [Channel title]=streetview	(3316)
05-Apr-25 1:05:19 PM	Video lost	Server (101)	The operation completed successfully	[Channel Id]=324; [Channel title]=NC8272-FIPE	(3315)
05-Apr-25 1:05:19 PM	Video lost	Server (101)	The operation completed successfully	[Channel Id]=315; [Channel title]=Ai Cam	(3314)
05-Apr-25 1:05:19 PM	Video lost	Server (101)	The operation completed successfully	[Channel Id]=301; [Channel title]=8MP video	(3313)

Audit Report in html format

Temporary permissions – v1.30.0

- Administrator can provide temporary access to a particular resource

Temporary permission Staff-only (509) - ALL CH (110) - from 07-Apr-25 12:00:00 AM to 08-Apr-25 12:00:00 AM*

Temporary permission

Details*

Permissions

Details

User or user group

Staff-only (509) Change...

The user or user group for which the permissions will be set

Resource

ALL CH (110) Change...

The specific resource for which the permissions will be set

Start time

07-Apr-25 12:00:00 AM

Specifies the date and time when the permissions will take effect for the specified resource and user

End time

08-Apr-25 12:00:00 AM

Specifies the date and time when the permissions will be revoked the specified resource and user

☒ Auto-delete

If enabled, this temporary permission item will be automatically removed from the list after its completion

Apply OK Cancel

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.

Replication channel options

Replication channel options

Model
(Generic) File based replication
Change...

Model

Server
none
Change...

Server

Main stream storage
Default
Change...

Target storage for the main stream recording

Replication offset
30
Maximum time in days to go back in time when replicating

OK Cancel

Select device model

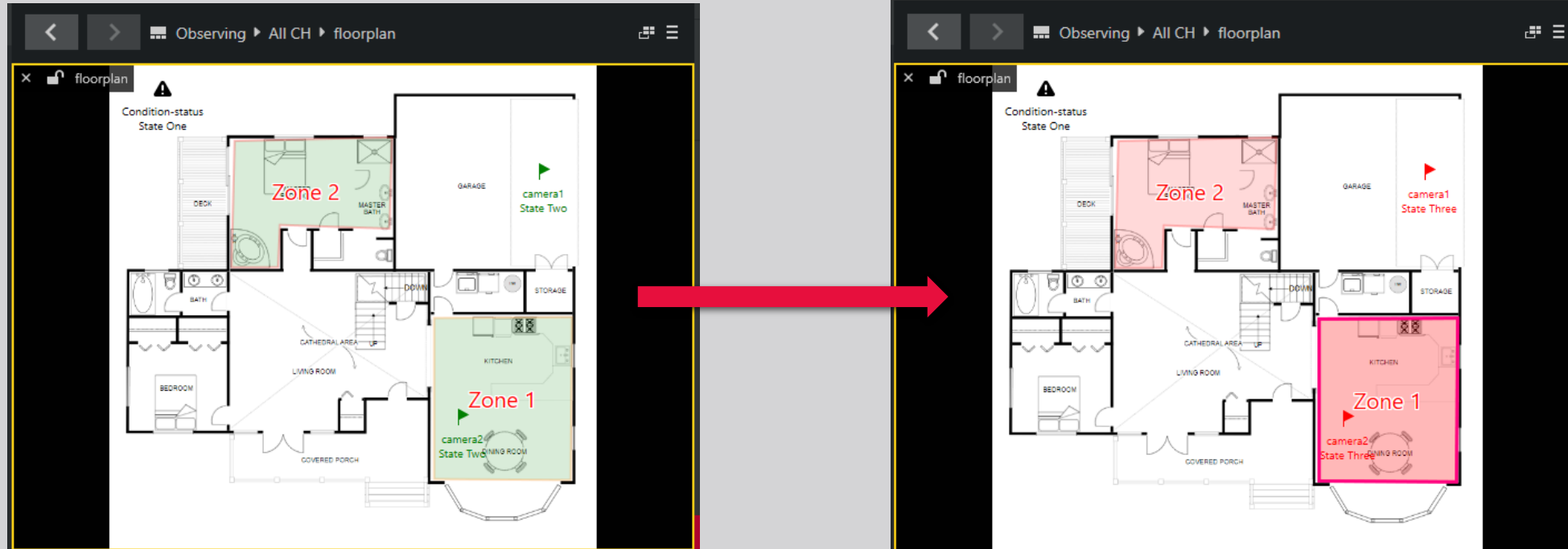
Available models

VENDOR	MODEL
(Generic)	File based replication
(Generic)	Replication

OK Cancel

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.

Macula Monitor — KEONG-E15 (Display 1) Video Wall (connecting...)

Connection (8 servers) File Edit View Tools Help

Search

Channels

- MSST LAN (keong@192.168.1.4...)
- LPR History
- TechLab-LPR

Search interval

22-Aug-24 08:50:53 AM > 28-Aug-24 08:50:53 AM

Search in the specified time interval.

Plate

Attributes

Search

TIME	CHANNEL	Plate	Attributes
27-Aug-24 8:54:21 A...	TechLab-LPR	WWNU6505	MYS,Towards,Proton,Saga,Green
27-Aug-24 8:54:18 A...	TechLab-LPR	WUF6265	MYS,Towards,Proton,Saga,Grey
27-Aug-24 8:54:14 A...	TechLab-LPR	PJK931	MYS,Towards,Honda,City,Grey
27-Aug-24 8:54:12 A...	TechLab-LPR	WA1434H	MYS,Towards,Lexus,RX,Grey
27-Aug-24 8:54:05 A...	TechLab-LPR	WKC9809	MYS,Towards,Proton,Black,Blacklist
27-Aug-24 8:53:56 A...	TechLab-LPR	BMT4614	MYS,Towards,Toyota,Hiace,White
27-Aug-24 8:53:27 A...	TechLab-LPR	WVC8979	MYS,Towards,Honda,Civic,White
27-Aug-24 8:53:20 A...	TechLab-LPR	WNF3188	MYS,Towards,Toyota,Hilux,Black
27-Aug-24 8:53:16 A...	TechLab-LPR	WPS7542	MYS,Towards,Perodua,MyVi,Red,Whitelist
27-Aug-24 8:53:13 A...	TechLab-LPR	WWYB3840	MYS,Towards,Subaru,XV,Blue
27-Aug-24 8:53:09 A...	TechLab-LPR	WYX8901	MYS,Towards,Honda,City,White
27-Aug-24 8:53:01 A...	TechLab-LPR	WWV3336	MYS,Towards,BMW,Serie 3,Black
27-Aug-24 8:52:53 A...	TechLab-LPR	WPQ5656	MYS,Towards,Perodua,MyVi,Green
27-Aug-24 8:52:50 A...	TechLab-LPR	WXB6619	MYS,Towards,Mazda,Mazda 3,Grey
27-Aug-24 8:52:47 A...	TechLab-LPR	WXH2663	MYS,Towards,Honda,City,Grey

2267 event(s) found

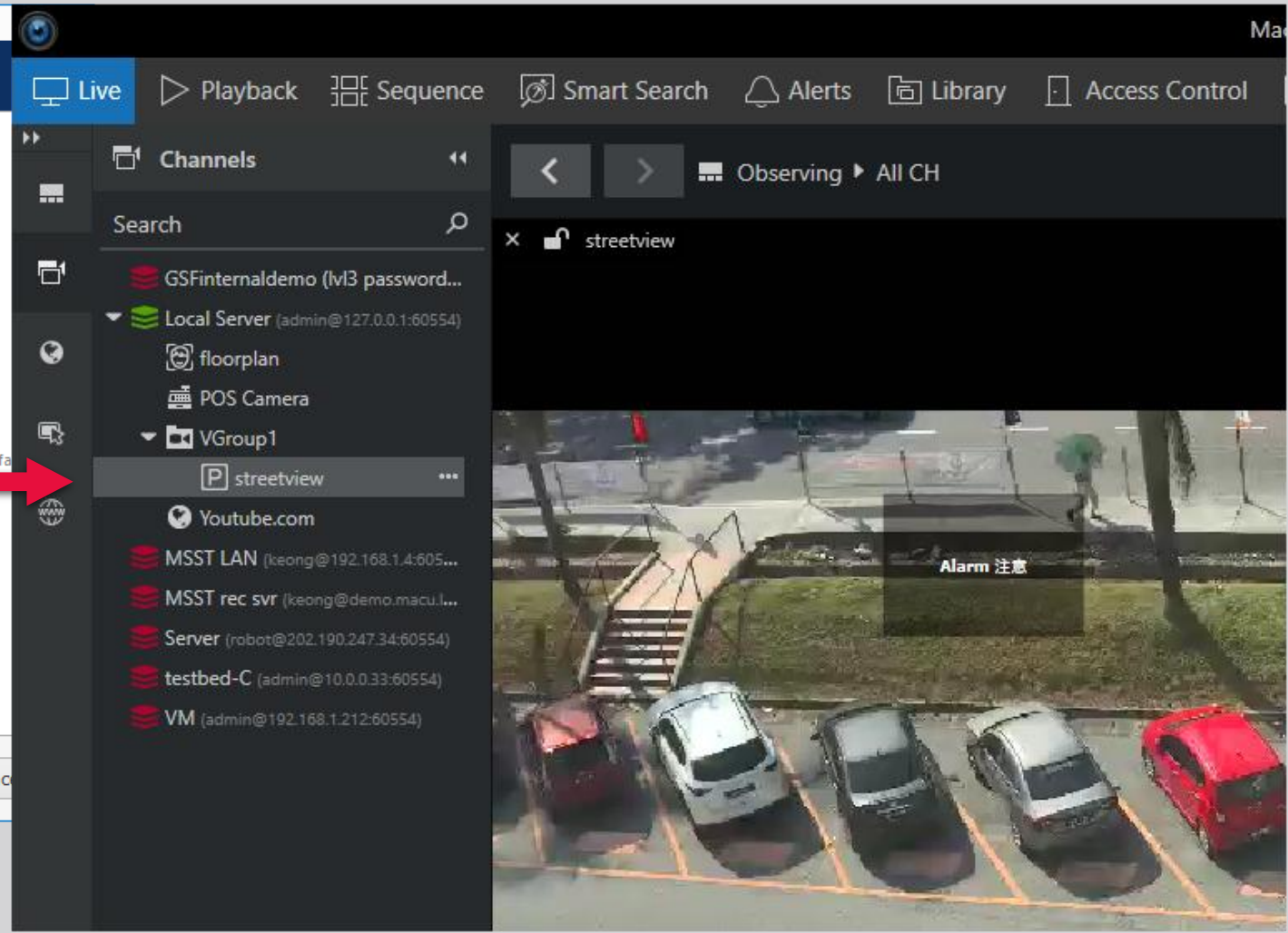
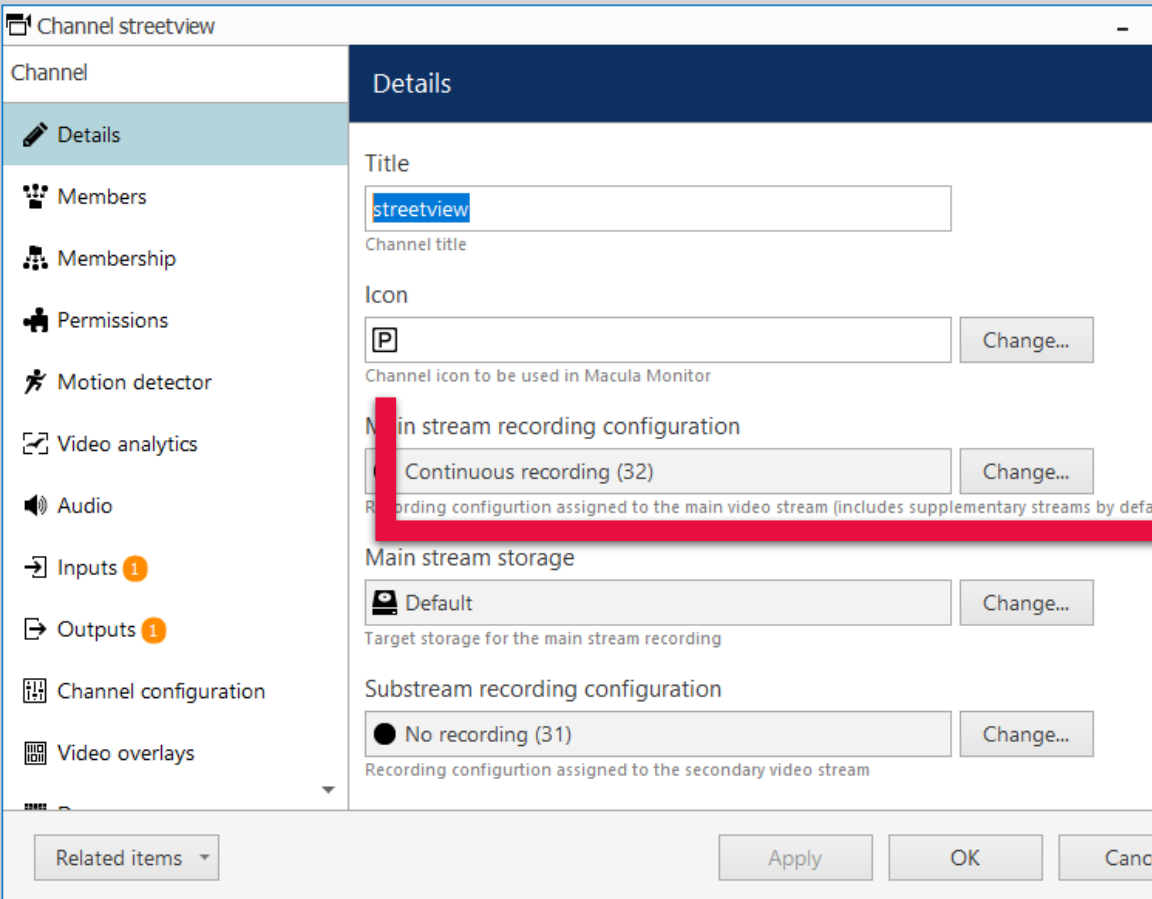
Export...

2 x 2

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

Macula Management Console - 127.0.0.1:60554 - Keong Laptop Server (101)

Monitoring > Channels

admin Search

Monitoring

Export to CSV Notifications Active recording profiles 1 selected

TITLE	ID	STATUS	SERVER	DEVICE	STATUS UPDATE TIME	KBIT/S	FPS	RESOLUTION	CODEC	SUBSTREAM KBIT/S	SUBSTREAM FPS	SUBSTREAM RESOLUTION	SUBSTREAM CODEC	ONLINE
rtsp-camera	(270)	Disabled	Keong Laptop Server (101)											
streetview	(267)	Normal	Keong Laptop Server (101)	streetview (202)	26-Jul-24 9:27:05 AM	1306	19.0	1920x1080	H.265	274	20.0	640x360	H.264	99.76% A

Keong Laptop Server (admin)

Cameras Setup

- floorplan
- NC8164-FPE
- streetview
- Vivotek IB9387-LPR-v2
- Youtube.com

streetview

GSF@101 Boulevard, Jalan Kenari 2024/07/26 09:26:59

1920x1080 mp4

Keong Laptop Server (admin)

24 / 07 / 26 - 09 : 20 : 57

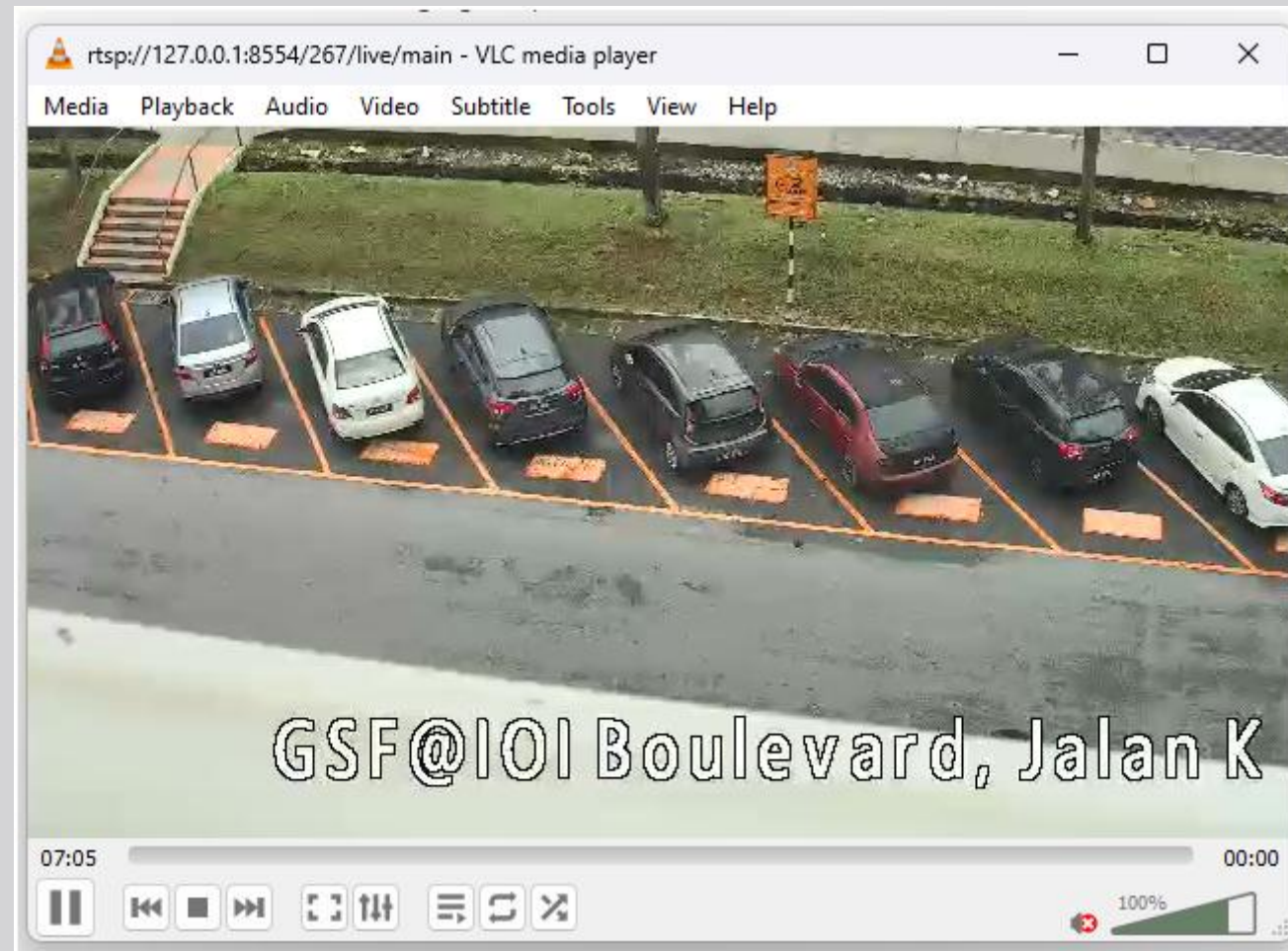
streetview (main)

GSF@101 Boulevard, Jalan Kenari 2024/07/26 09:20:57

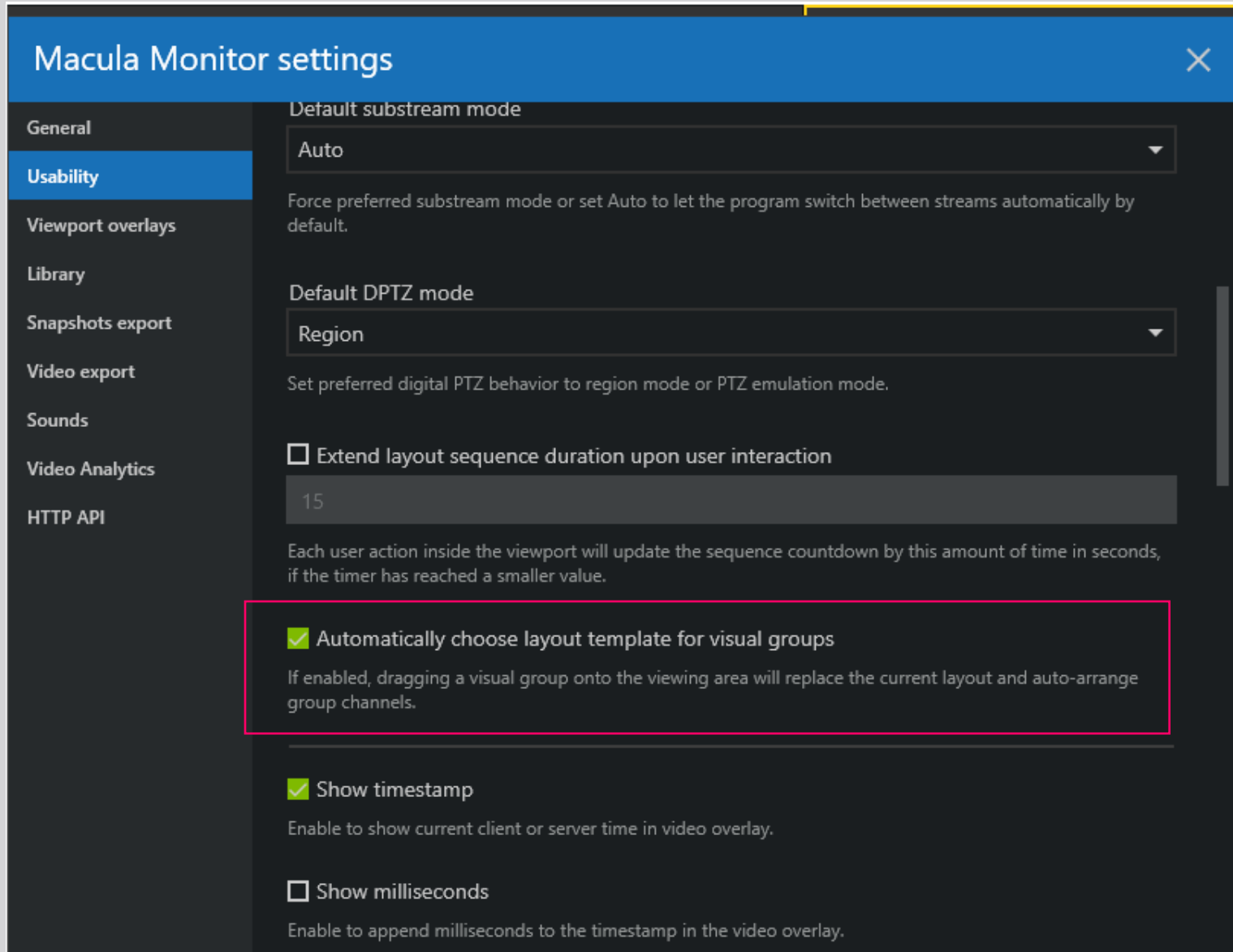
-1h -10m -1m -10s +10s +1m +10m +1h

Stream RTSP video from Macula Server – v1.27.0

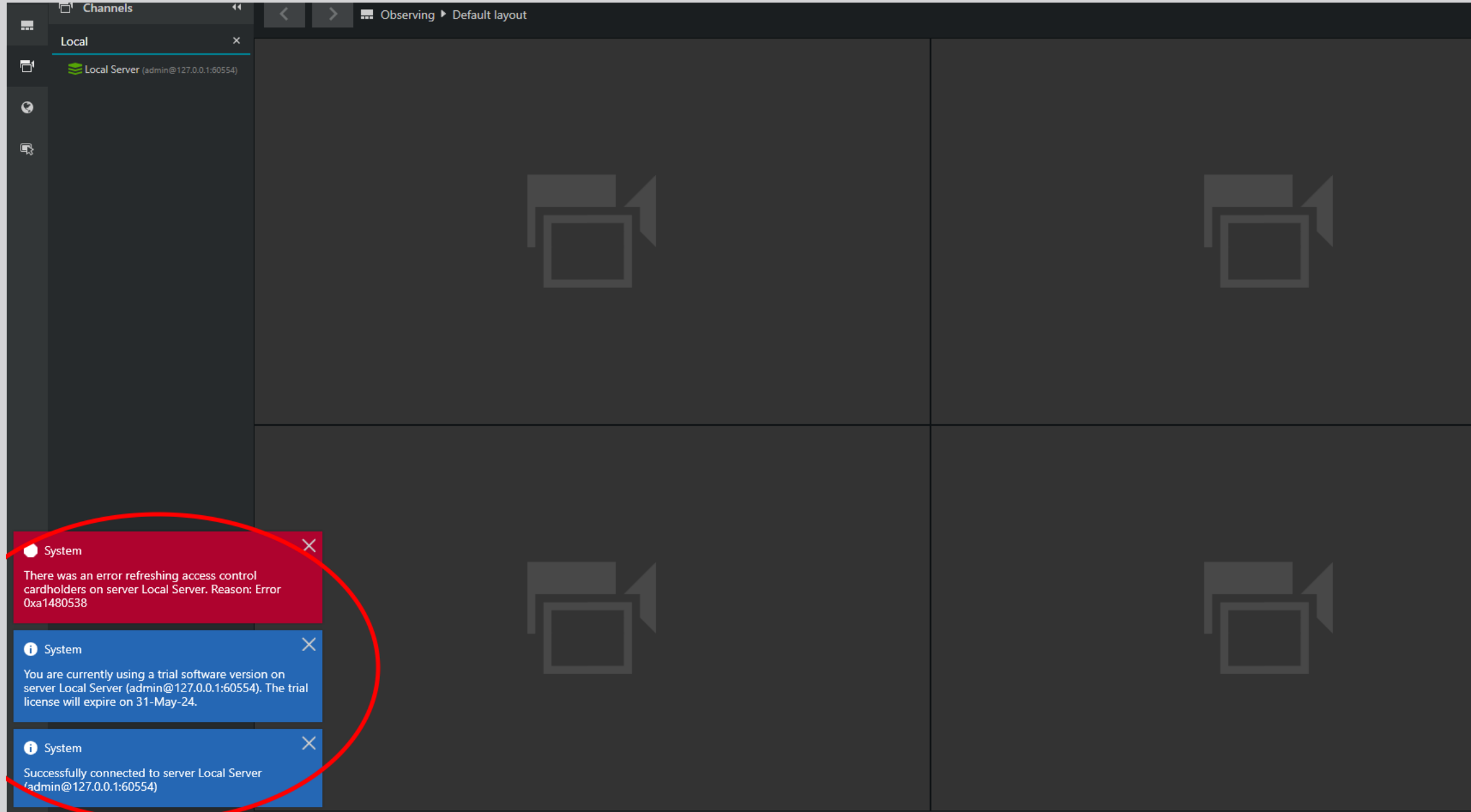
- Link template:
`rtsp://user:password@Server_IP:RTSP_port/channel_ID/live/stream_type (main or substream)`



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

User user

User

Details

Membership

Resources

Administration profile

Time-based access

Time-based access

Schedule

Working hours (826)

Change...

Schedule

Select schedule

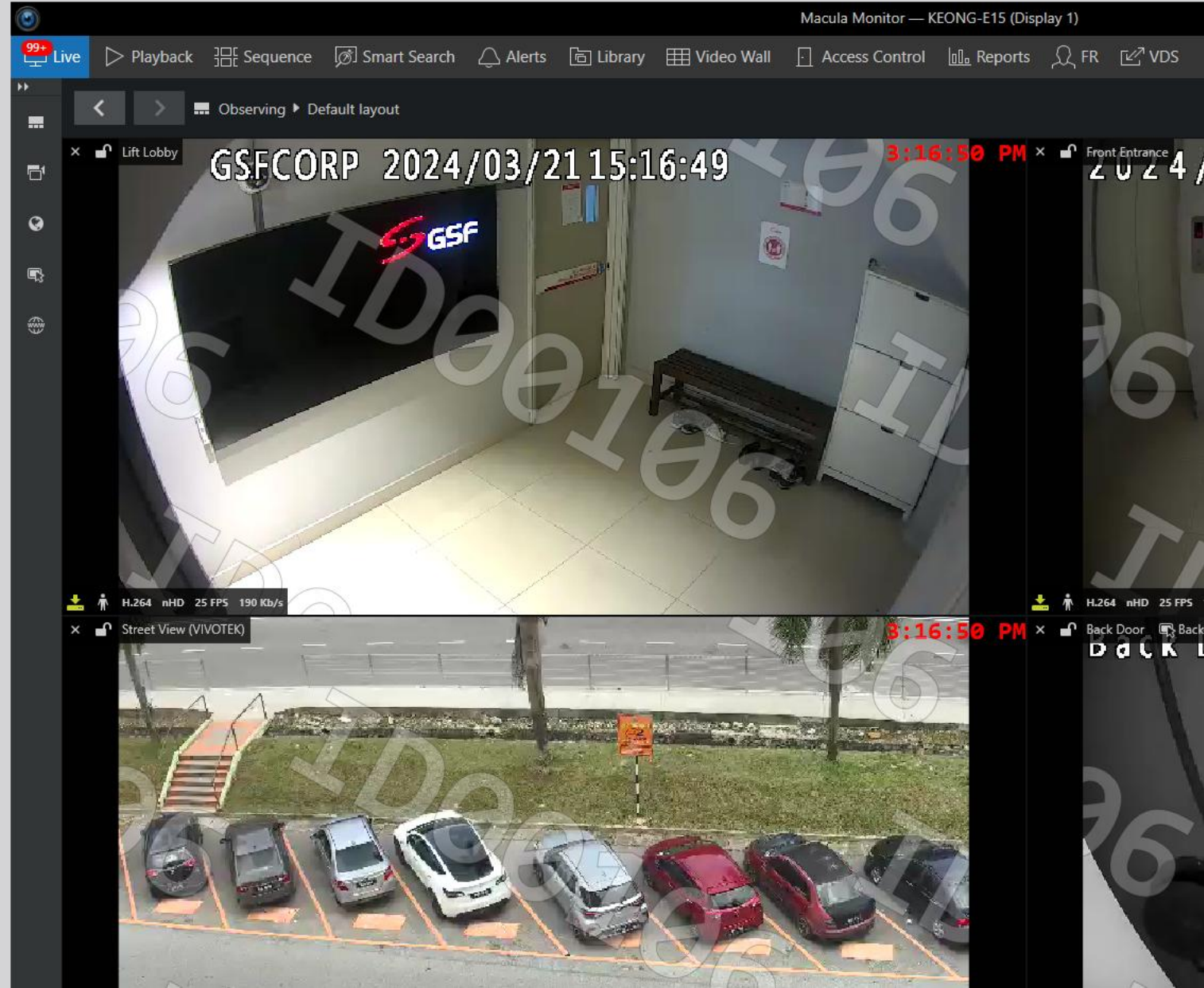
Available schedules

Title	Id	Type
none		
24x7	(118)	Schedule
Events Schedules	(117)	Schedule
Perimeter Camera Night Time - Motion ...	(479)	Schedule
Working hours	(826)	Schedule

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.

Bookmarks VCA Archive Calendar Case Export Databases

Case title
Collect Parcel

Briefly describe the case.

Case description

Provide detailed information about the case.

Add entry Show all

Transmittal Area ▶ Primary
06-Sep-23 9:51:19 AM - 06-Sep-23 9:51:21 AM

Front Entrance ▶ Primary
06-Sep-23 9:51:21 AM - 06-Sep-23 9:51:25 AM

Lift Lobby ▶ Primary
06-Sep-23 9:51:31 AM - 06-Sep-23 9:51:37 AM

Front Entrance ▶ Primary
06-Sep-23 9:51:35 AM - 06-Sep-23 9:51:39 AM

Transmittal Area ▶ Primary
06-Sep-23 9:51:39 AM - 06-Sep-23 9:51:44 AM

Export video Apply Save Cancel

9:50 AM 06-Sep-23 9:51:31 AM 9:55 AM

-24H -1H -10M -1M -10S +10S +1M +10M +1H +24H

06-Sep-23 9:58:49 AM

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 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 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 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 as it is, or turn off individual security checks

Cybersecurity

Select security level and adjust individual settings

Security level - High

NoneLowMediumHigh

Security checks (28/28)

CHECK	RECOMMENDED SETTING
Automated backup configuration	
Mode	enabled
Interval	1 day
Maximum files to keep	30 or greater
Directory	Doesn't match configuration drive
DBs	All
Server	
Connections	
Client-Server connection encryption	enabled
HTTPS	enabled
Storage	
Encryption	enabled
Encryption password	Apply check for password complexity

OK

Cybersecurity

Select security level and adjust individual settings

Security level - High

NoneLowMediumHigh

Security checks (28/28)

CHECK	RECOMMENDED SETTING
Security policy	
Minimum password length	12 or greater
Minimum special symbols	1 or greater
Minimum digits	2 or greater
Minimum uppercase letters	2 or greater
Minimum lowercase letters	2 or greater
Number of passwords to remember	3 or greater
Max number of days between password change	30 or less
Max number of simultaneous connections	1
Max unsuccessful login attempts	3 or less
Disconnect disabled users	enabled
Disconnect upon user password change	enabled
Disconnect if the password expires	enabled

Cybersecurity

Select security level and adjust individual settings

Security level - High

NoneLowMediumHigh

Active issues: 31

Show active issues

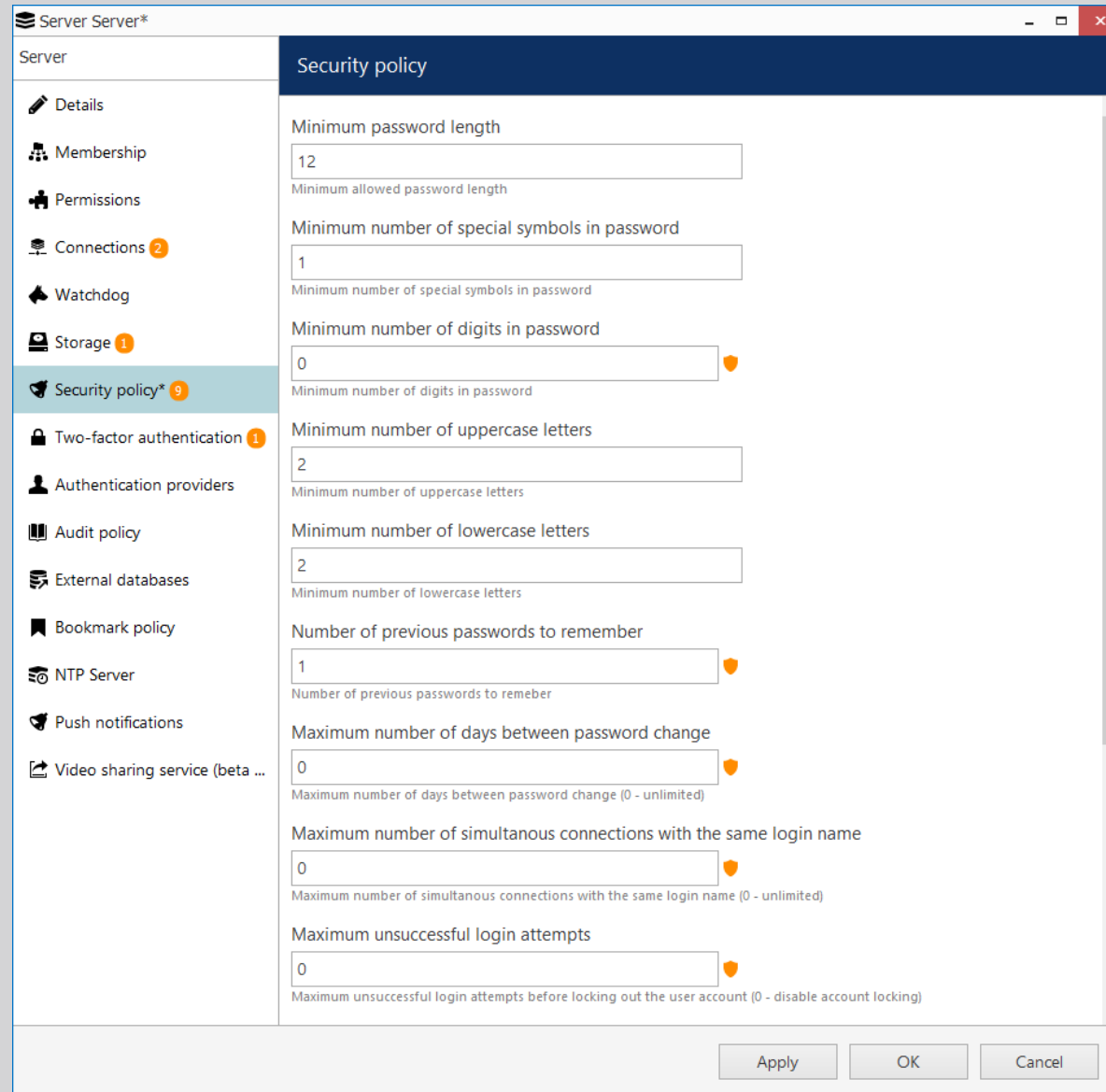
Security checks (28/28)

CHECK	RECOMMENDED SETTING	ISSUES
Disconnect if the auth token is reset	enabled	1
Two-factor authentication		
Enable two-factor authentication	enabled	1
Audit policy		
Server security	all enabled	
User		
Details		
Password	Apply check for password complexity	
Password never expires	disabled	11
Never lock account on bad password	disabled	2
Device		
Network		
Password	Apply check for password complexity	

OKCancel

Cybersecurity report – v1.24.0

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



Server Server*

Server

Security policy

Details

Membership

Permissions

Connections 2

Watchdog

Storage 1

Security policy* 9

Two-factor authentication 1

Authentication providers

Audit policy

External databases

Bookmark policy

NTP Server

Push notifications

Video sharing service (beta ...)

Minimum password length

12

Minimum allowed password length

Minimum number of special symbols in password

1

Minimum number of special symbols in password

Minimum number of digits in password

0

Minimum number of digits in password

Minimum number of uppercase letters

2

Minimum number of uppercase letters

Minimum number of lowercase letters

2

Minimum number of lowercase letters

Number of previous passwords to remember

1

Number of previous passwords to remember

Maximum number of days between password change

0

Maximum number of days between password change (0 - unlimited)

Maximum number of simultaneous connections with the same login name

0

Maximum number of simultaneous connections with the same login name (0 - unlimited)

Maximum unsuccessful login attempts

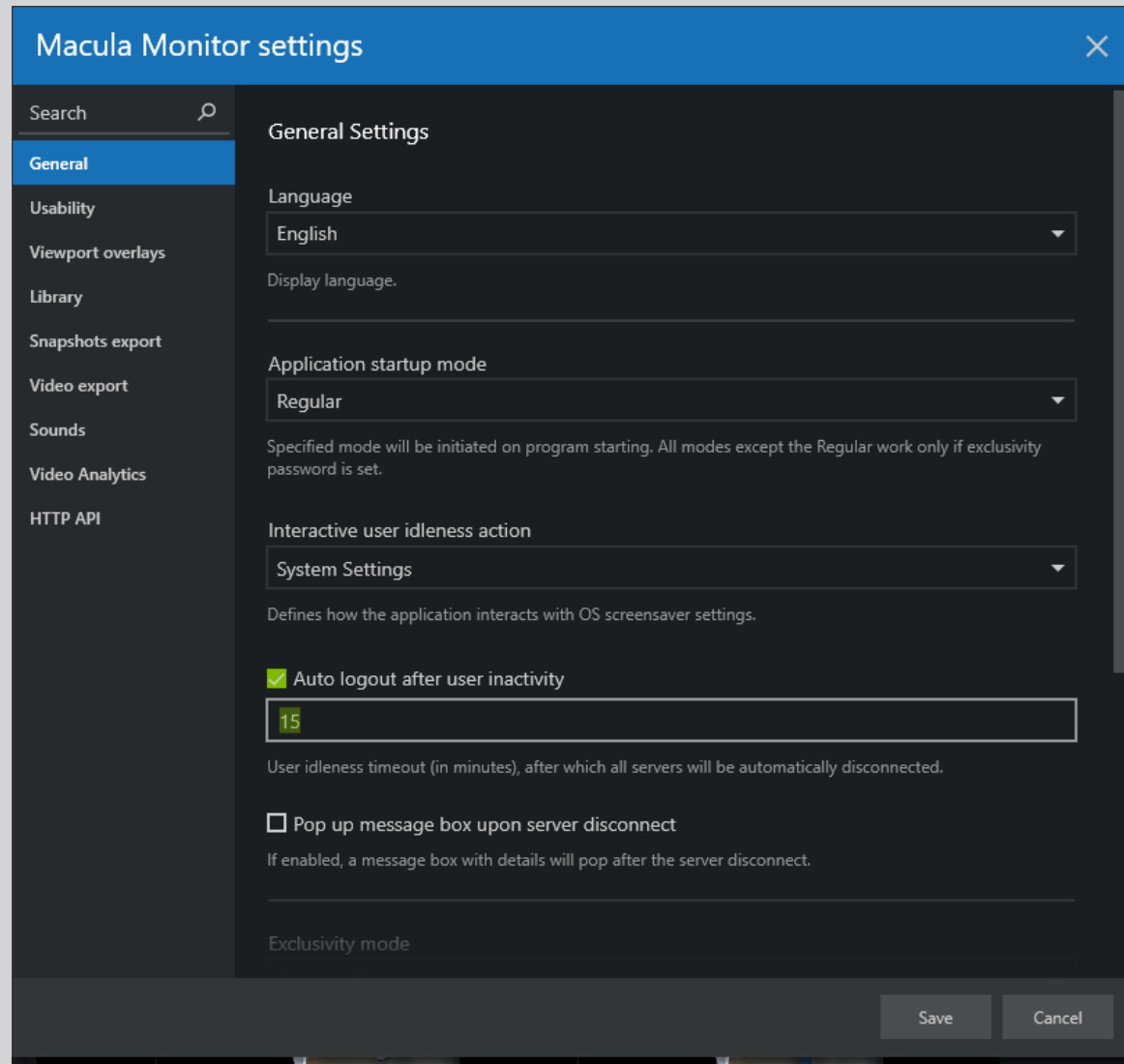
0

Maximum unsuccessful login attempts before locking out the user account (0 - disable account locking)

Apply OK Cancel

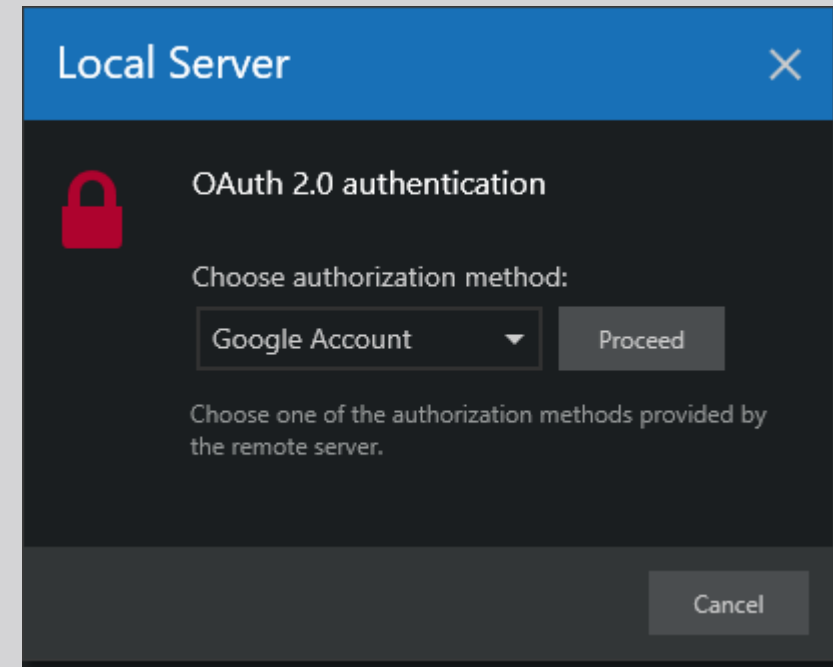
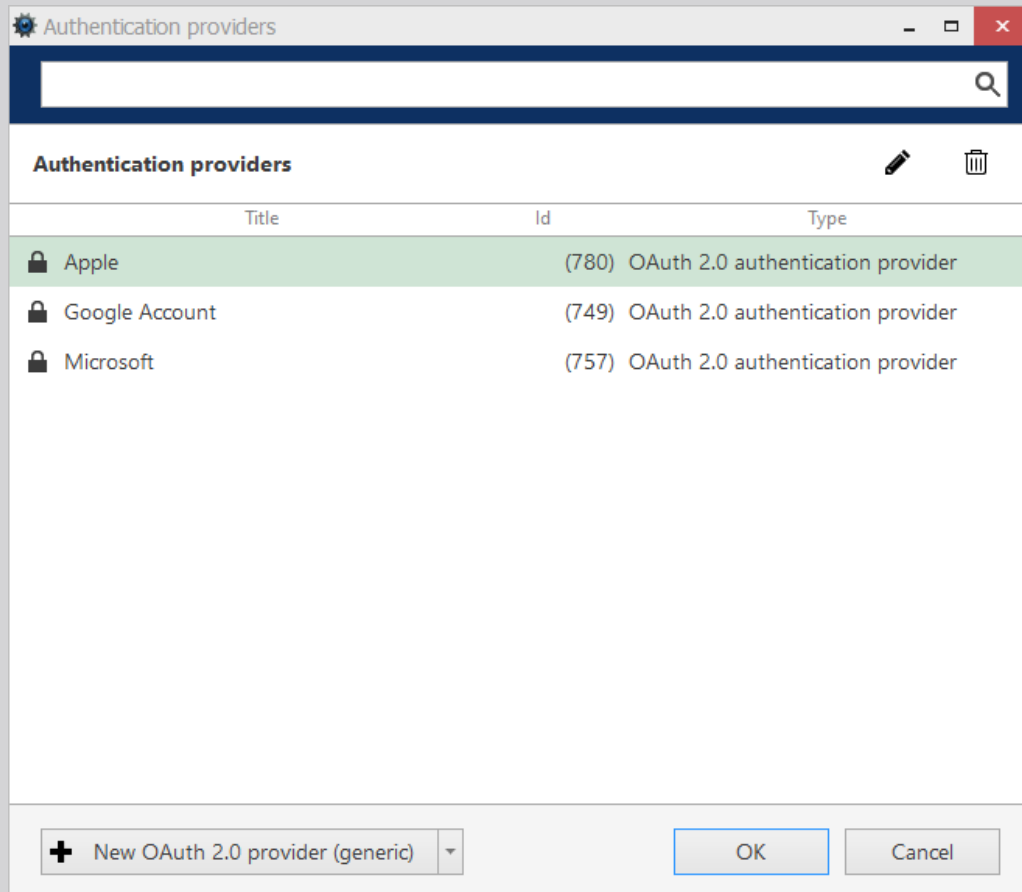
Monitor Auto Logout – v1.7.0

- 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

Refine filters

Advanced Filters

Vehicle type

Vehicle color*

*Color is ignored for "Two-Wheel"

Moving Direction

Others

☐ Black & White image only (Color image only when unchecked)

Clear all filters

Refine filters

Advanced Filters

Gender

☐ Male

☐ Female

Age

☐ Child

☐ Young Adult

☐ Adult

☐ Senior

Hair type

Hair color

Top type

Top color

Bottom type

Clear all filters

i-PRO Active Guard integration – v1.24.0



99+ Live

Playback

Sequence

Smart Search

Alerts

Library

Video Wall

Access Control

Reports

VA Investigation

FR

VDS

Connection (7 servers)

File

Edit

View

Tools

Help

Setup watchlists

Filter

Date/Time

Search only within

Past 24 hours

Start

13-Sep-23 10:12:16 AM

End

14-Sep-23 10:12:16 AM

Cameras (1)

People

Vehicle

Descending date

14-Sep-23 10:00-11:00

Street View 2

10:12:14 AM

Street View 2

10:12:14 AM

Street View 2

10:12:14 AM

Street View 2

10:12:13 AM

Street View 2

10:12:12 AM

Street View 2

10:12:06 AM

Street View 2

10:11:37 AM

Street View 2

10:11:35 AM

Street View 2

10:11:27 AM

Street View 2

10:11:22 AM

Street View 2

10:10:50 AM

Street View 2

10:10:31 AM

Street View 2

10:10:30 AM

Street View 2

10:10:29 AM

Street View 2

10:10:28 AM

Street View 2

10:10:28 AM

Street View 2

10:07:57 AM

Street View 2

10:07:51 AM

Street View 2

10:06:45 AM

14-Sep-23 10:09:23 AM

14-Sep-23 10:09:16 AM

14-Sep-23 10:09:26 AM

Load More

100 of 985 results

Information

14-Sep-23 10:09:26 AM

Street View 2

Detected info

Camera info

Type

Sedan: 79%

Color

White: 62%, Gray: 36%

Day Night

Color

Direction

Middle Left

Recommended size

Yes

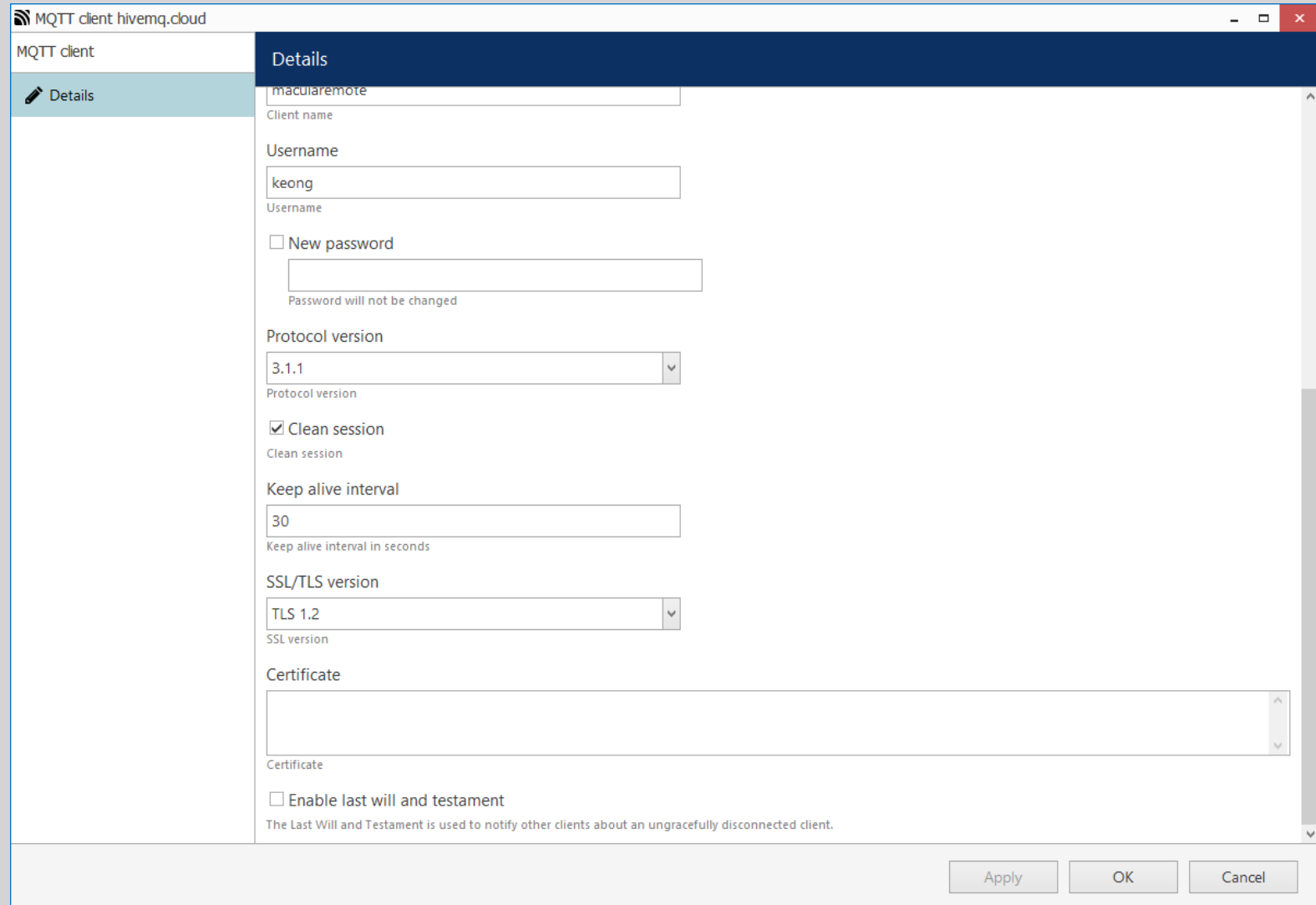
Detect size

570x290

Actions

Built-in MQTT client – v1.22.0

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



The screenshot shows the 'MQTT client hivemq.cloud' window with the 'Details' tab selected. The configuration fields are as follows:

- Client name:** macularemote
- Username:** keong
- New password:** ☐ (Password will not be changed)
- Protocol version:** 3.1.1
- Clean session:** ☒ (Clean session)
- Keep alive interval:** 30 (Keep alive interval in seconds)
- SSL/TLS version:** TLS 1.2
- Certificate:** (Empty text area)
- Enable last will and testament:** ☐ (The Last Will and Testament is used to notify other clients about an ungracefully disconnected client.)

Buttons at the bottom: Apply, OK, Cancel.

Alarm Pane – v1.19.0

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

The screenshot displays the Alarm Pane v1.19.0 interface. On the left, a video feed shows a person in a black uniform standing near a glass door. A red overlay indicates a 'Transmittal Area' and a 'Key Count' of 1. The main panel on the right shows a list of alarm events. The top of the list includes tabs for 'Perimeter' (20 events), 'FR' (99+ events), and 'All Events' (99+ events). Below the tabs is a search bar and a filter icon. The list of events includes:

- 14-Sep-23 8:55:35 AM | Front Entrance | NEW
FR Subject: Keong
updated 2 hour(s) ago
- 14-Sep-23 8:49:44 AM | Transmittal Area | NEW
Glass Door Opened
updated 2 hour(s) ago
- 14-Sep-23 8:49:40 AM | Front Entrance | NEW
FR Subject: Jason
updated 2 hour(s) ago
- 14-Sep-23 8:48:59 AM | Front Entrance | NEW
Open Shutter
updated 2 hour(s) ago
- 13-Sep-23 9:57:59 PM | Front Entrance | NEW
Close Shutter
updated 13 hour(s) ago
- 13-Sep-23 9:57:34 PM | Transmittal Area | NEW
Glass Door Opened
updated 13 hour(s) ago
- 13-Sep-23 7:35:31 PM | Transmittal Area | NEW
Glass Door Opened
updated 16 hour(s) ago
- 13-Sep-23 7:13:19 PM | Tech Lab Entrance | NEW
Tech Lab Entrance Human Sensor Triggered
updated 16 hour(s) ago
- 13-Sep-23 6:52:34 PM | Transmittal Area | NEW
Glass Door Opened
updated 16 hour(s) ago
- 13-Sep-23 6:43:00 PM | Tech Lab Entrance | NEW
Tech Lab Entrance Human Sensor Triggered
updated 16 hour(s) ago
- 13-Sep-23 6:36:07 PM | Tech Lab Entrance | NEW
Tech Lab Entrance Human Sensor Triggered
updated 17 hour(s) ago
- 13-Sep-23 6:20:43 PM | Transmittal Area | NEW
Glass Door Opened
updated 17 hour(s) ago
- 13-Sep-23 6:20:40 PM | Front Door Exit | NEW
FR Subject: Leung
updated 17 hour(s) ago

The detailed view of the 'Glass Door Opened' event (14-Sep-23 8:49:44 AM) shows the following information:

- Alarm: Glass Door Opened
- Severity: Critical
- Status: NEW
- Description: EVENT TITLE: Global event
- EVENT SOURCE TITLE: Glass Door Open
- EVENT DATE: 14-Sep-23
- EVENT TIME: 08:49:44

Below the event details is a red box with the text 'Add comment'.

The bottom of the interface features a timeline with a yellow marker at 14-Sep-23 8:49:45 AM and an 'Export...' button.

Export Snapshot as PDF Report– v1.18.0



Snapshots export

Snapshot file name

\$(Year)-\$(Month)-\$(Day) \$(Hour)-\$(Minute)-\$(Second)-\$(Millisecond) \$(StreamTitle)

Filename template for the exported snapshots.

JPEG quality

60

Allows to select an appropriate trade-off between file size and image quality.

☒ Include external data

When selected, external textual data will be embedded into the snapshot.

☒ Include analytics metadata

If selected, all displayed video analytics elements will be embedded into the snapshot.

Subtitles

Enabled

Properties...

☒ Generate PDF report

If selected, the target snapshot will be exported as a PDF report with relevant comments.

☐ Always use snapshot export settings

When selected snapshots will use settings above without prompt.

Export

Cancel

Macula Surveillance Report

2023-09-14 09-18-35-326 Front Entrance

Snapshot source	Front Entrance
Snapshot time	Thursday, September 14, 2023 9:18:35 AM
Report time	Thursday, September 14, 2023 12:13:02 PM
User notes	Staff - Jemi

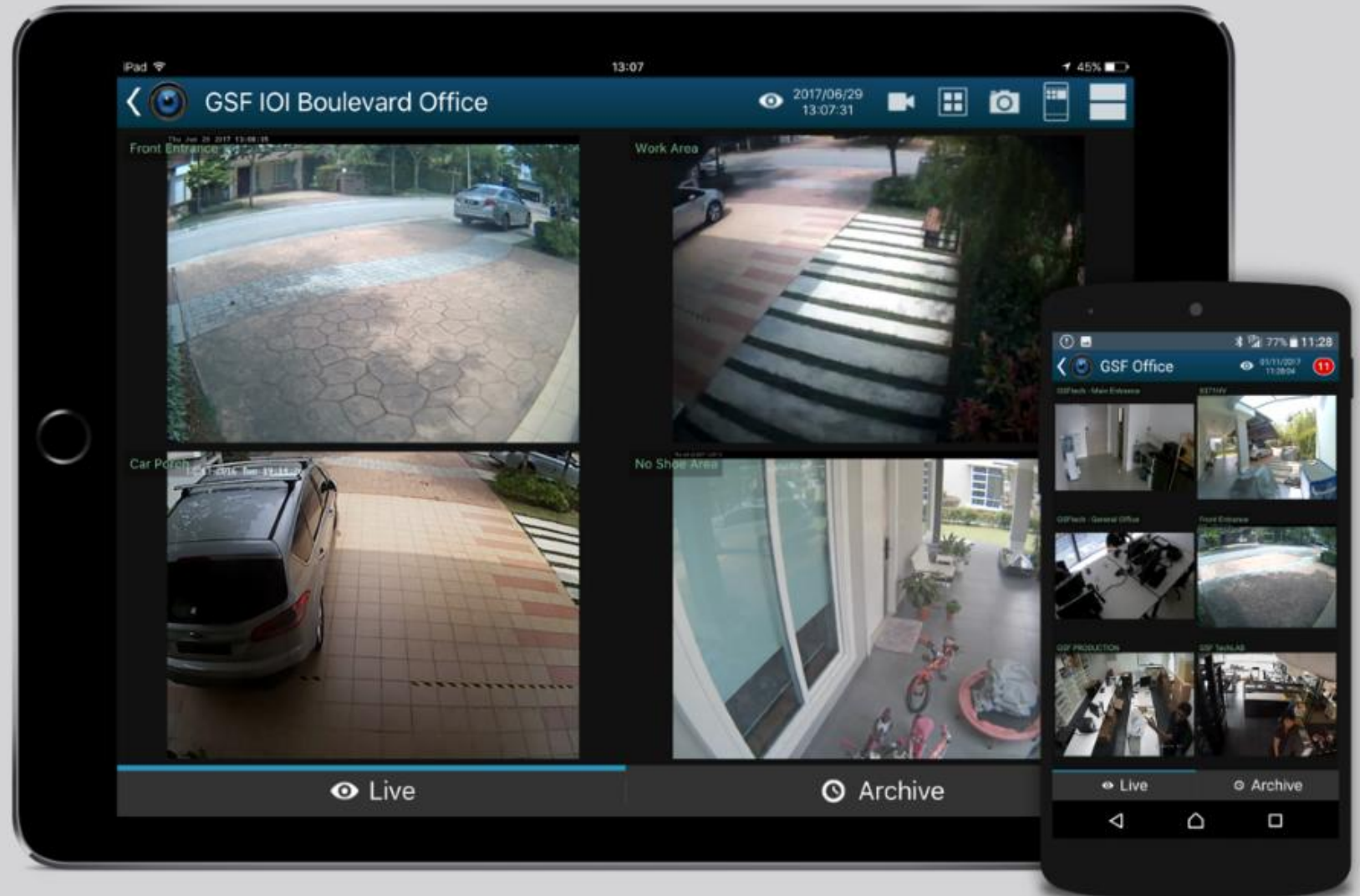


General Features of Macula Professional



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.

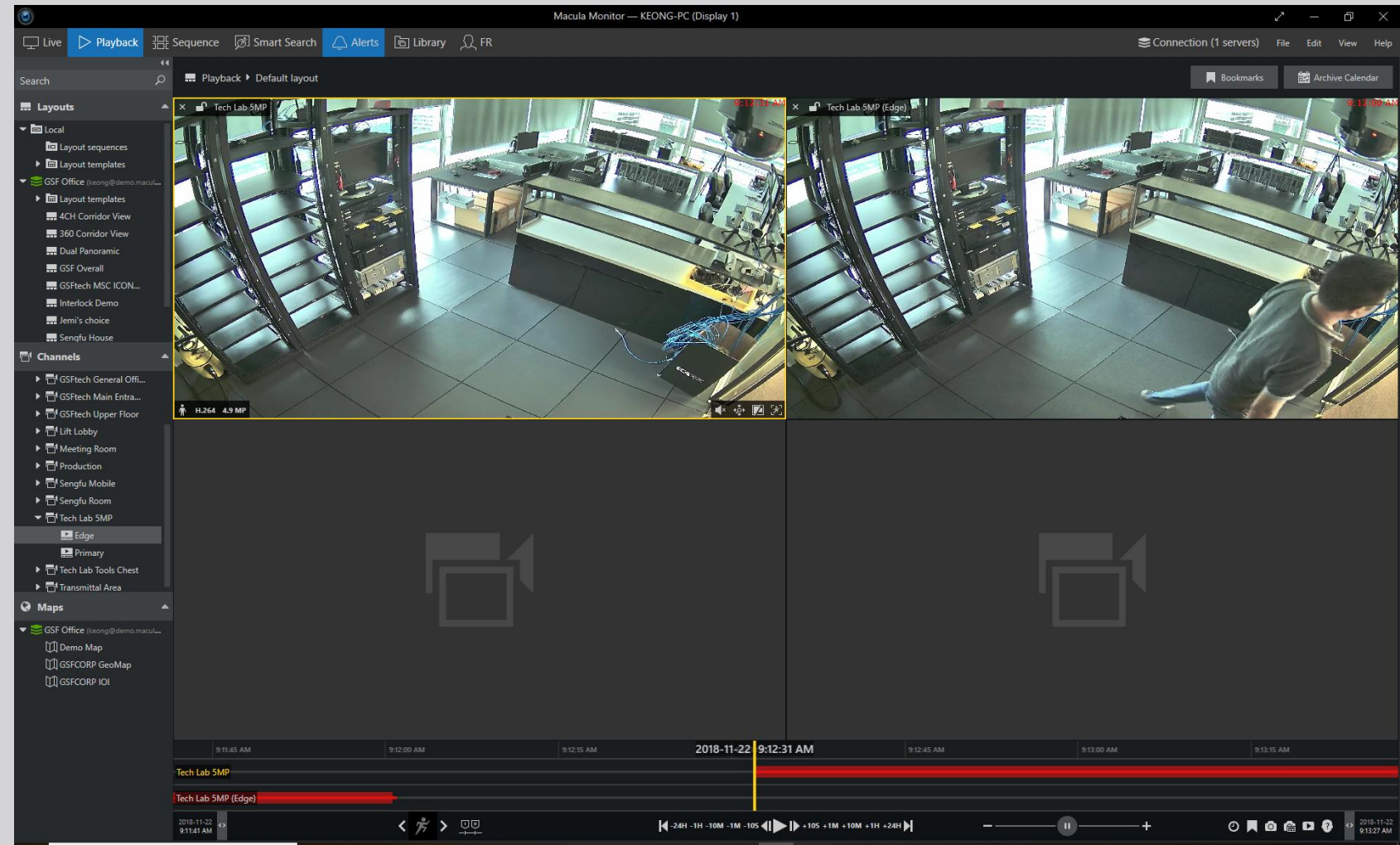


General Features of Macula Professional



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.

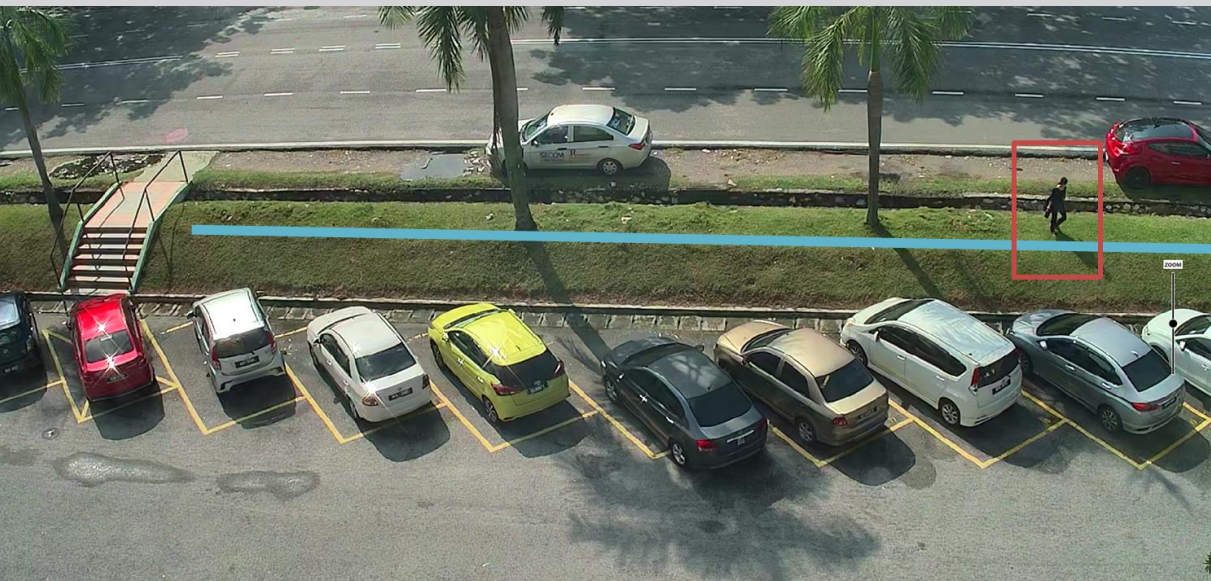
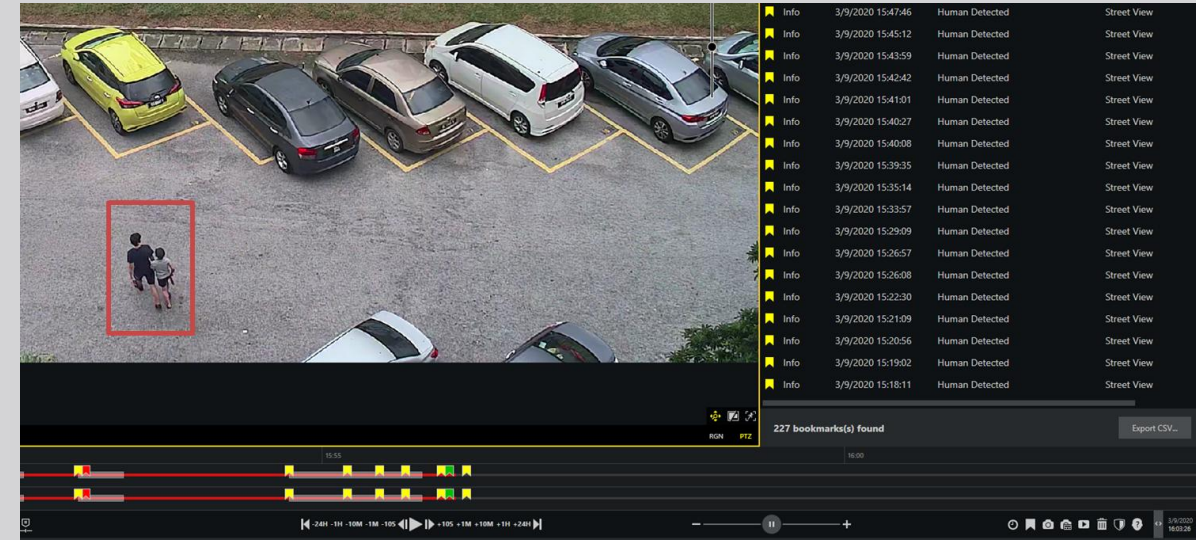


General Features of Macula Professional



Ai Camera

- Human Detection
- Perimeter Intrusion
- Crowd Detection
- Human Count & Report

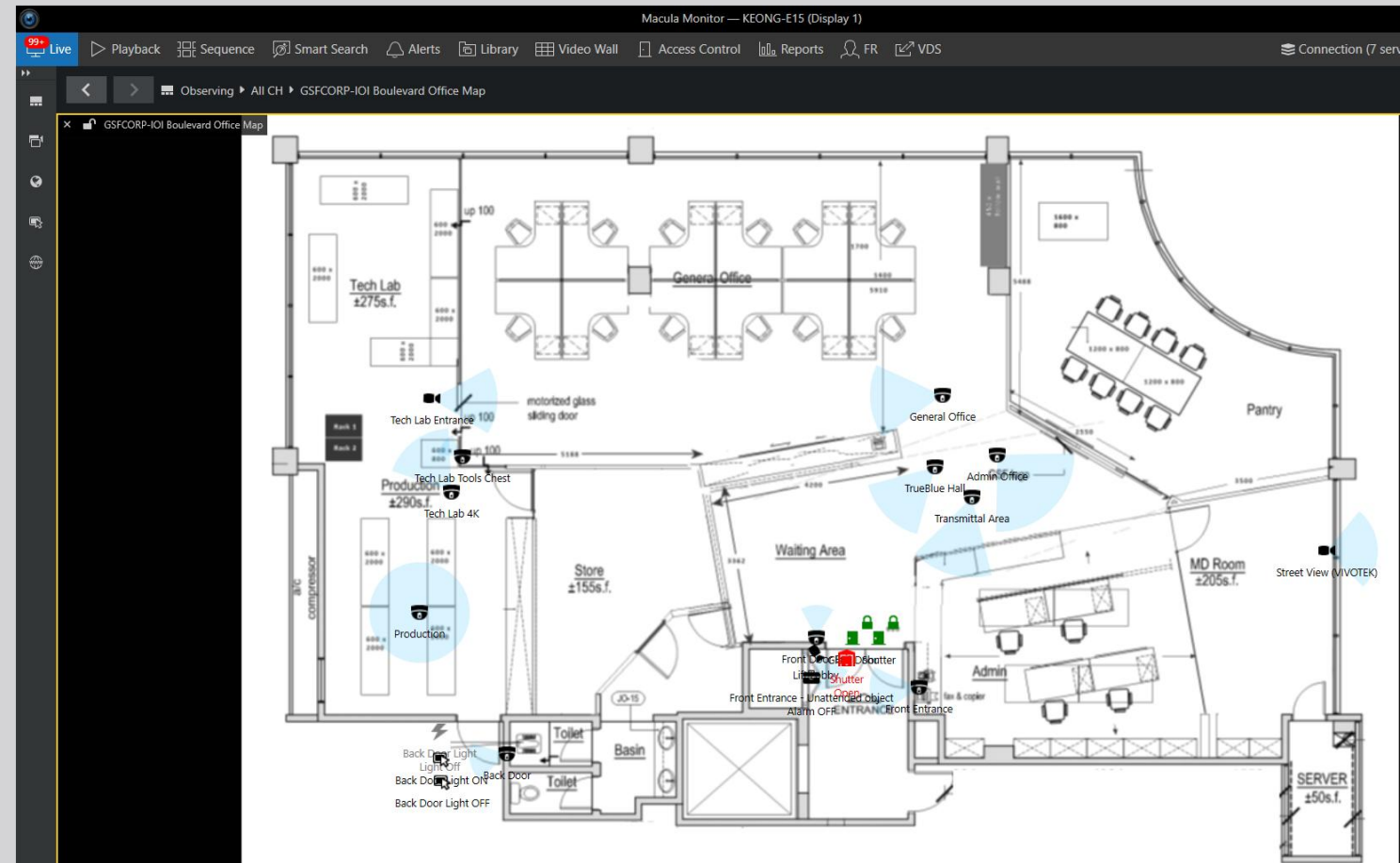


General Features of Macula Professional



Maps

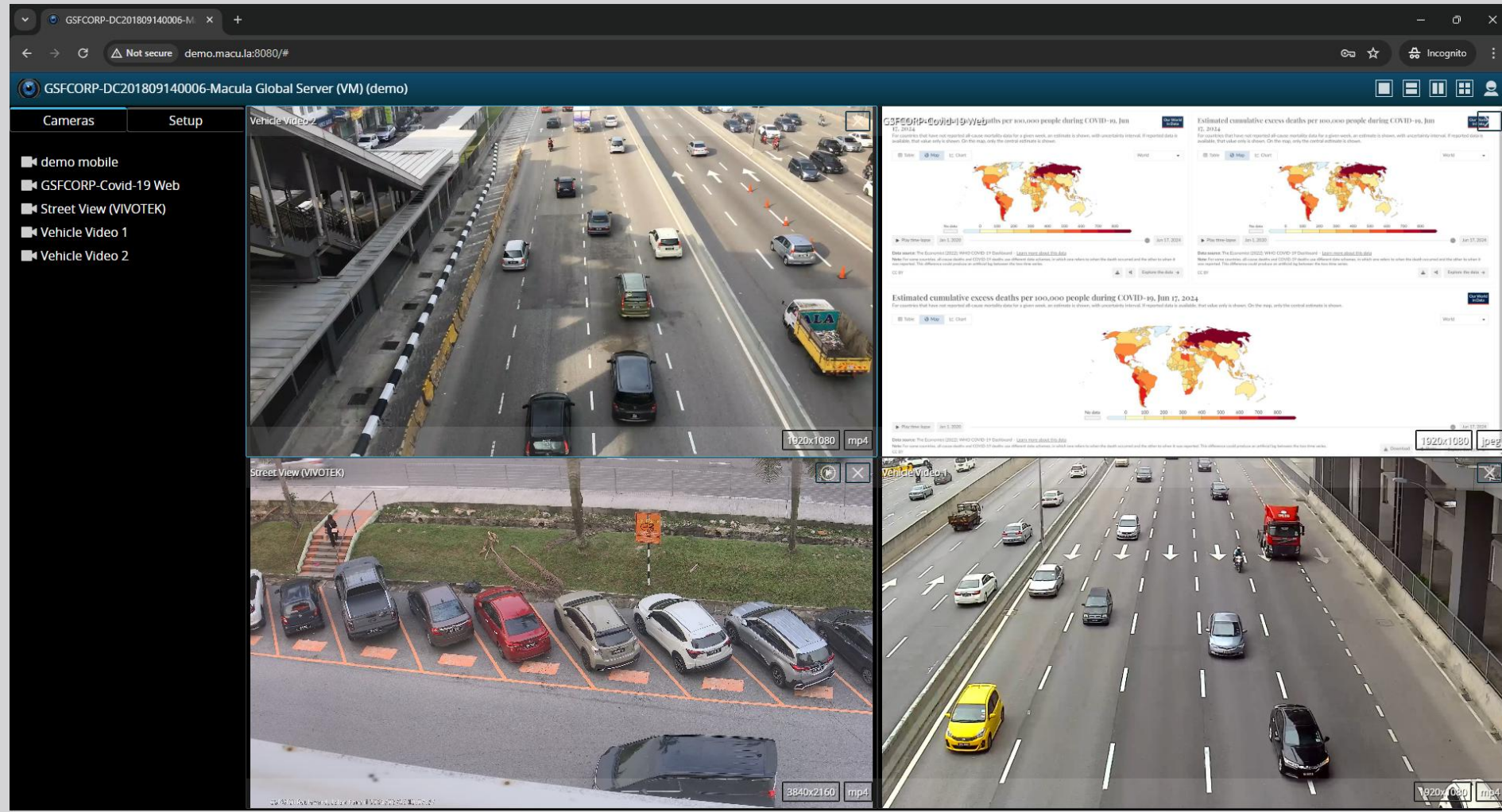
- Complete examination of the entire installation of cameras, providing an immediate visual verification.
- All the alerts are integrated with the maps and can be set up so that they can be viewed on the overview as well you are able to immediately specify the location of the alarm event.



General Features of Macula Professional

Web access

- Get permanent access to live streaming and archive video through your web browser

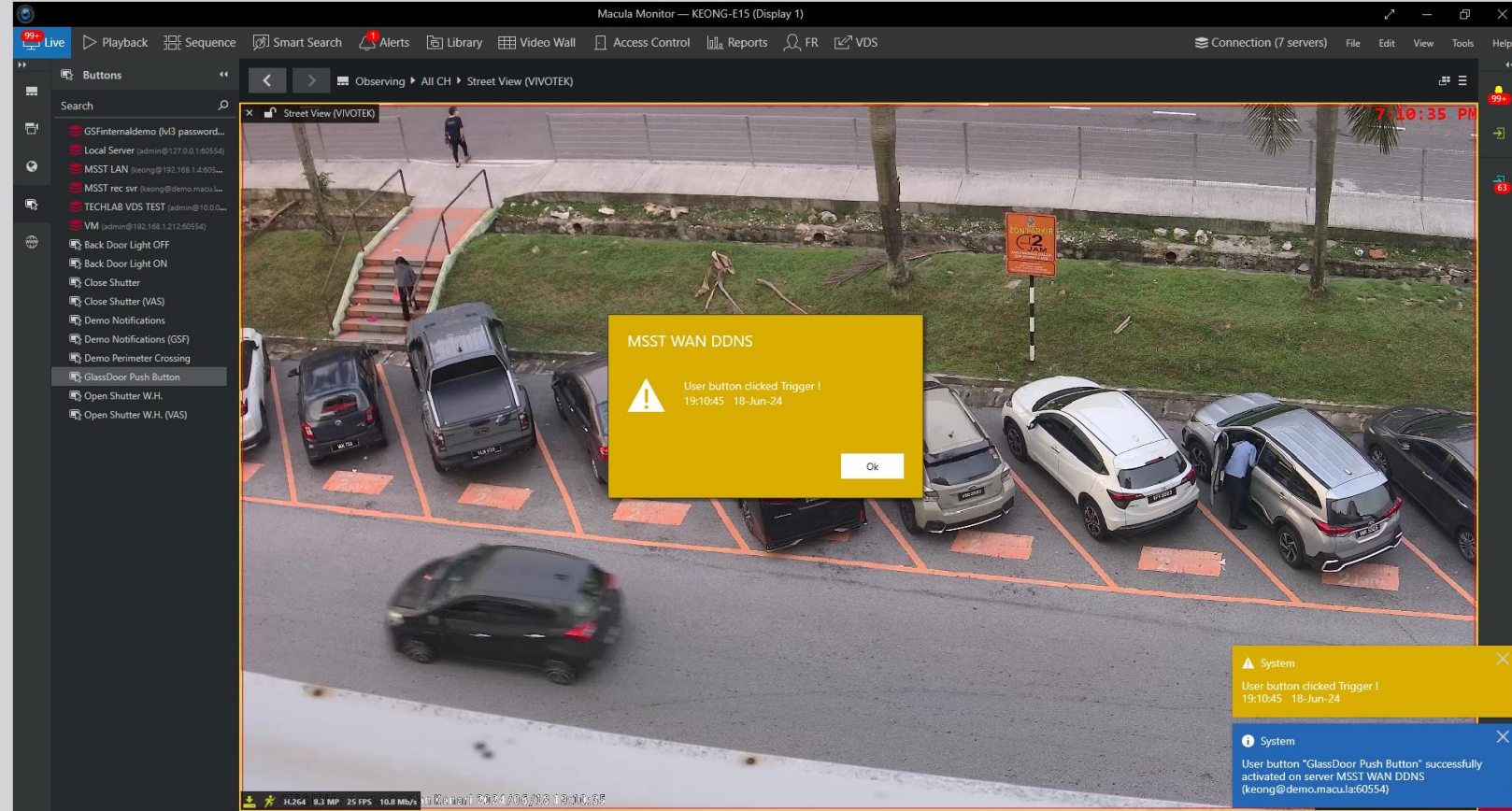


General Features of Macula Professional



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



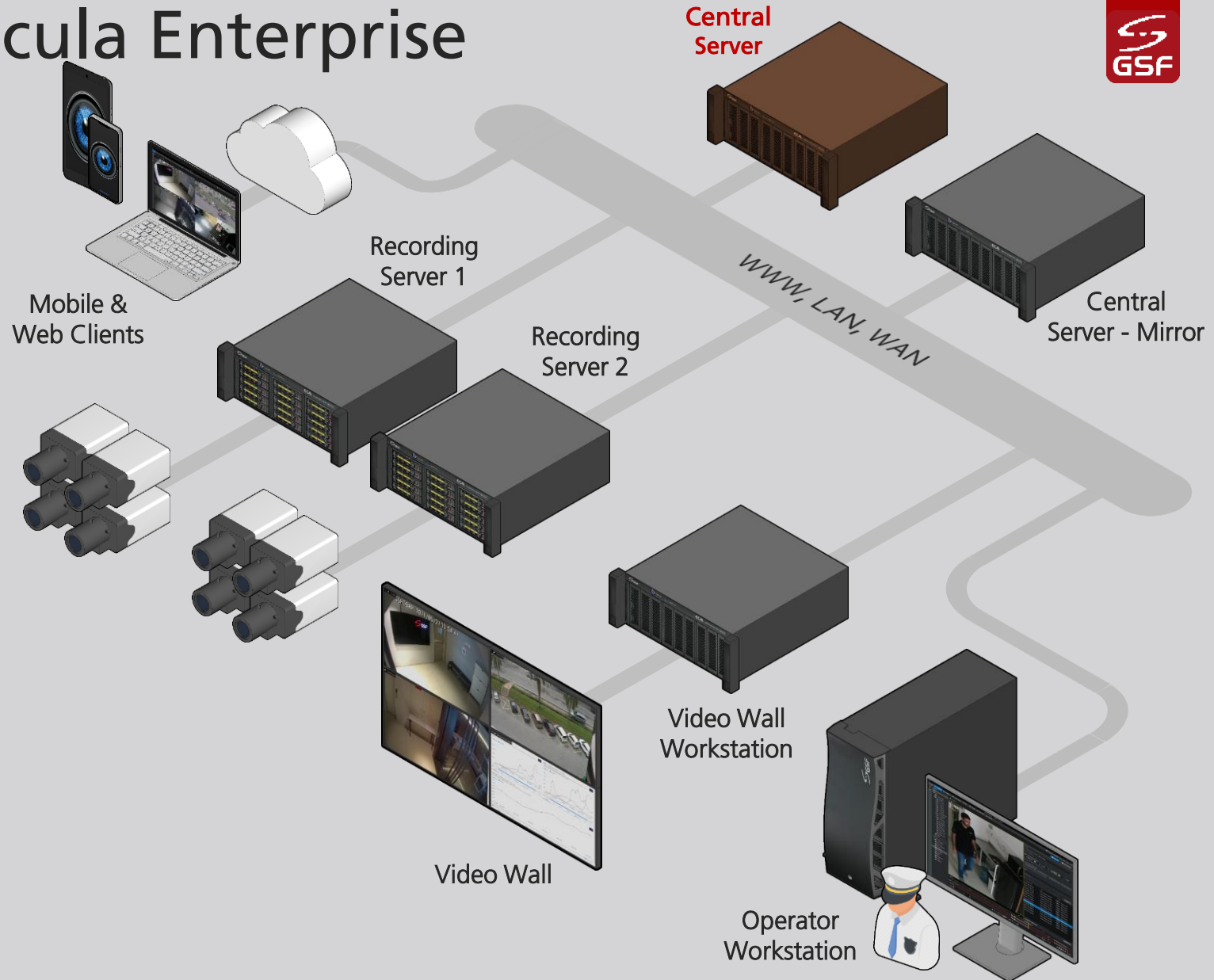
Centralized Managed

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

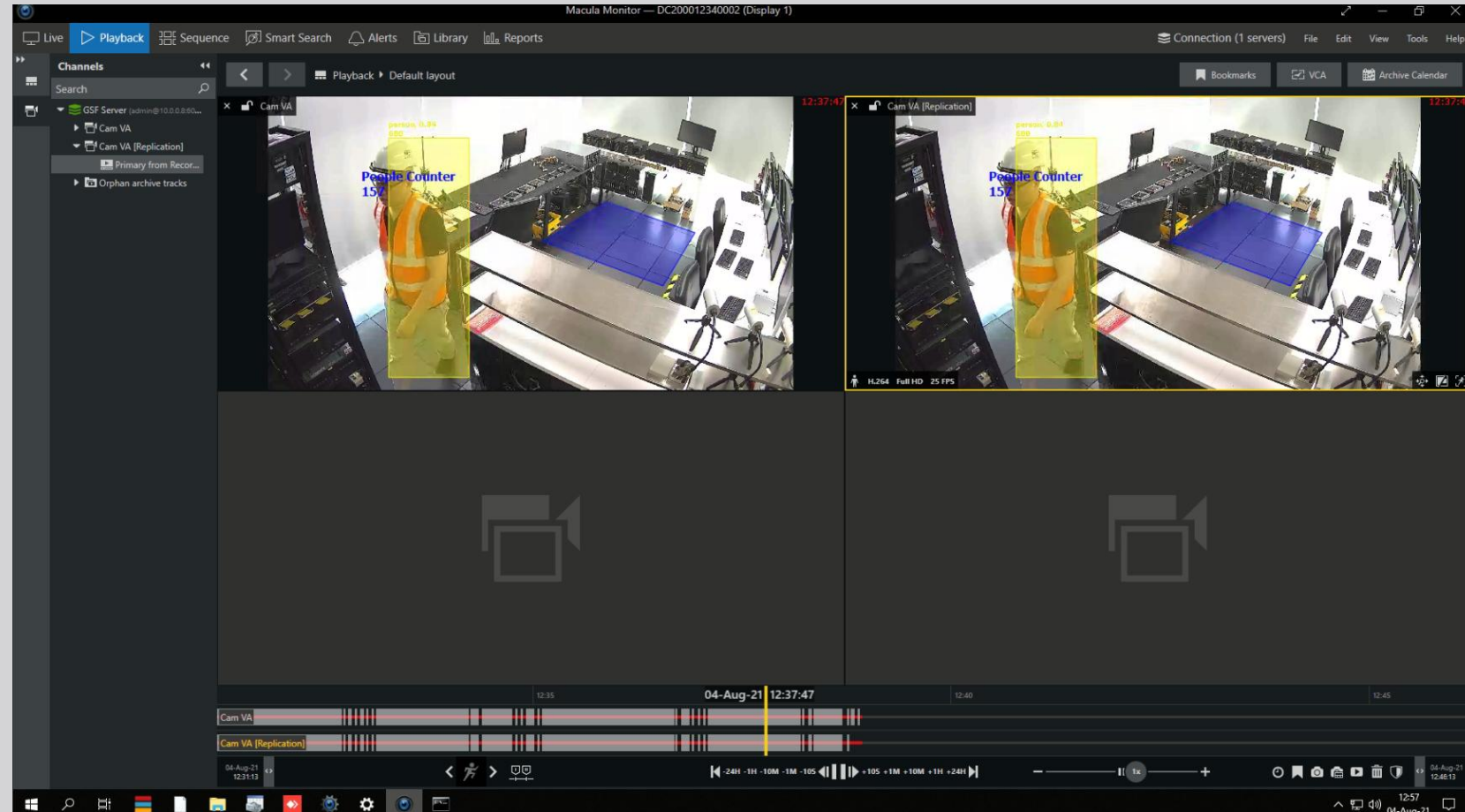


General Features of Macula Enterprise



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.

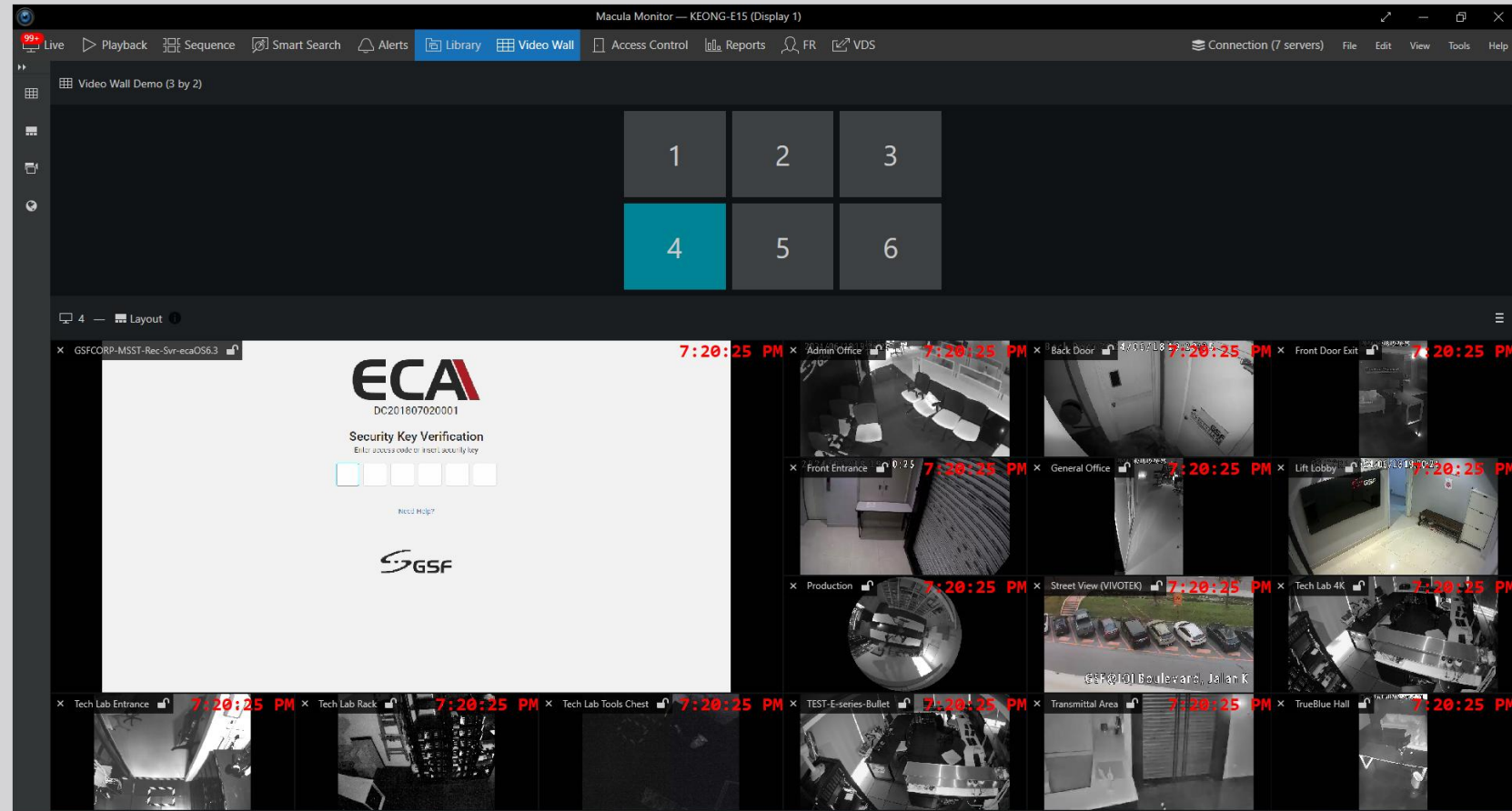


General Features of Macula Enterprise



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.

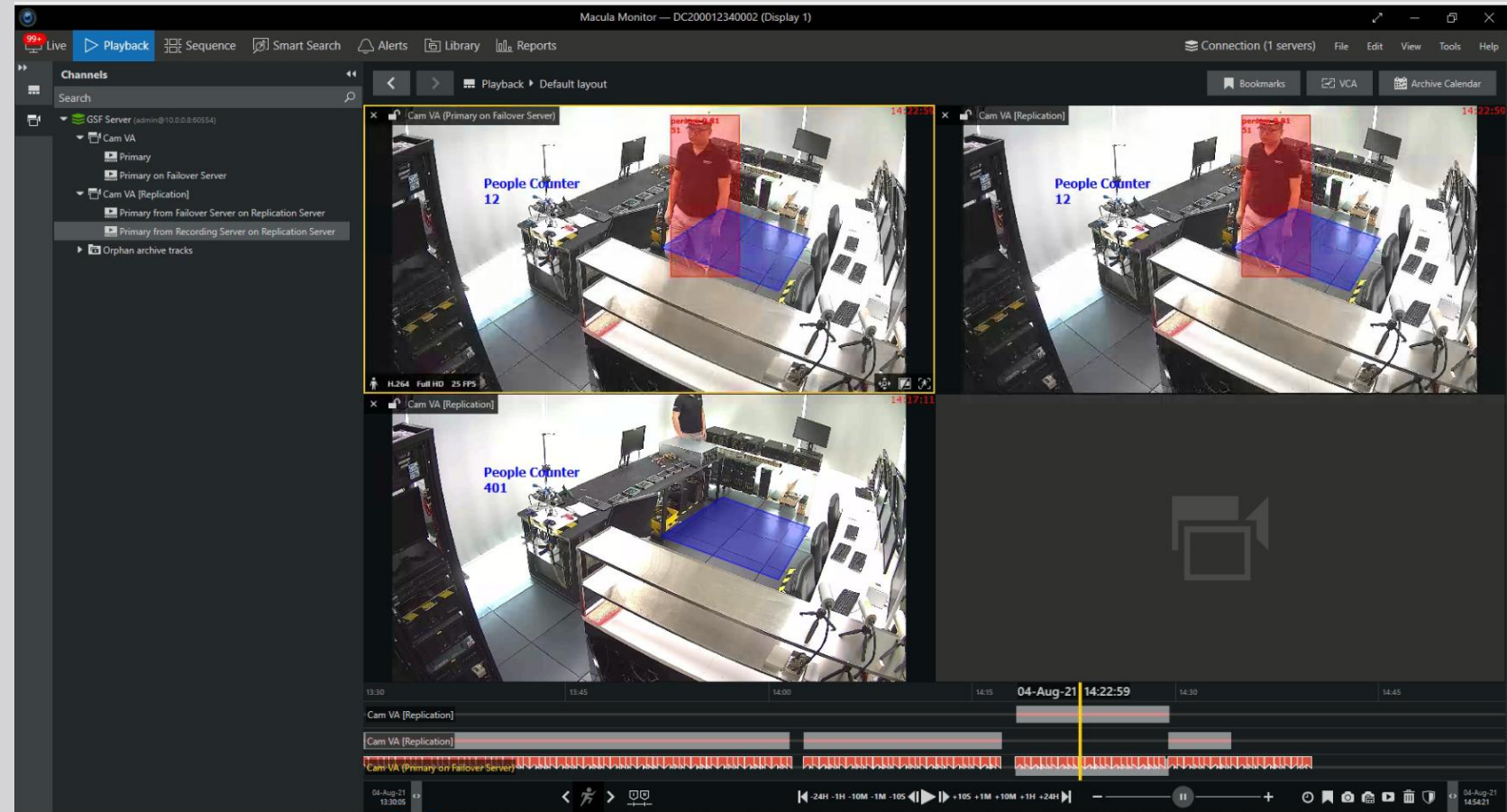


General Features of Macula Enterprise



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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Unit F21, Level 3A, IOI Boulevard, Jalan Kenari 6,
Puchong, Selangor D.E., Malaysia.

www.gsfcorp.com

Enquiry now: sales@gsfcorp.com