

# **Digifort Release Notes**

**Version 7.0.0.0**



<http://www.rimaelektronik.com>

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# Part



## 1 Description



This file contains the history of all changes made to the system. Changes here shown are valid for the Enterprise edition that has all the features. Professional, Standard and Explorer editions may not have certain items described in this file.

# Part



## 2 Version 7.0.0.0

**Release date:** January 7, 2015

### 2.1 New features and improvements

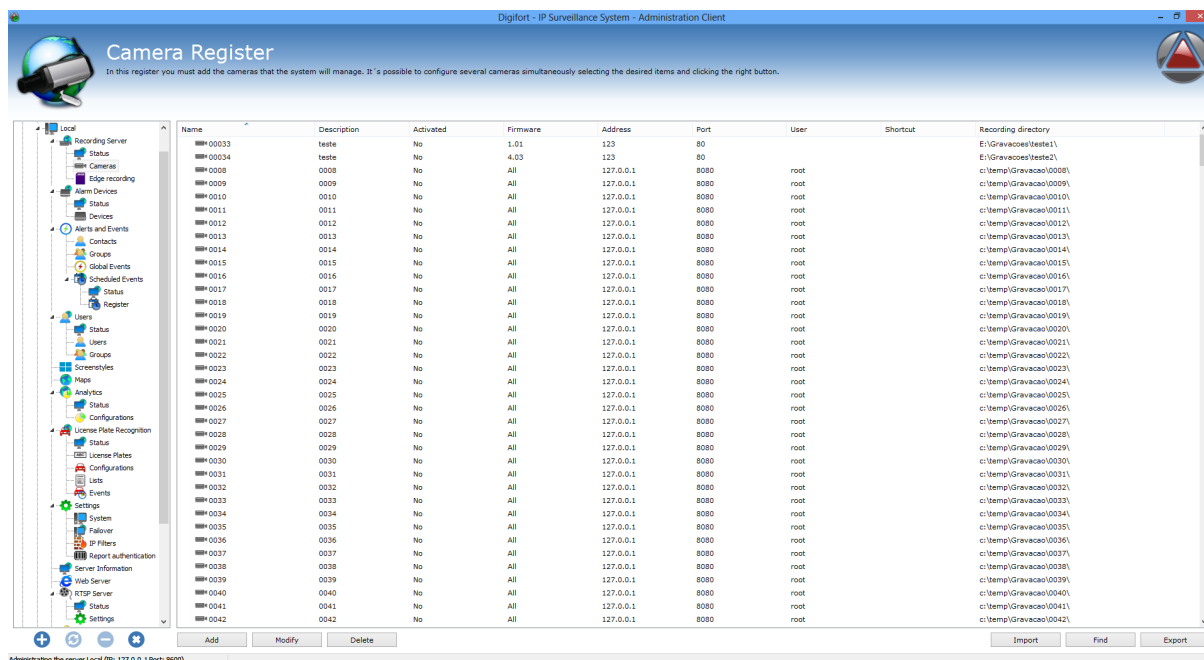
This section contains information about the new system features and improvements.

#### 2.1.1 New interface

The administration and surveillance client interfaces has been improved with a more clean and modern design.

##### 2.1.1.1 Administration Client

The administration client interface was completely redesigned, with a modern look, new icons for the while system and new organization of items in the resource tree:



##### 2.1.1.2 Surveillance Client

The surveillance client also received significant changes in the interface, now with a new darker skin and new icons:

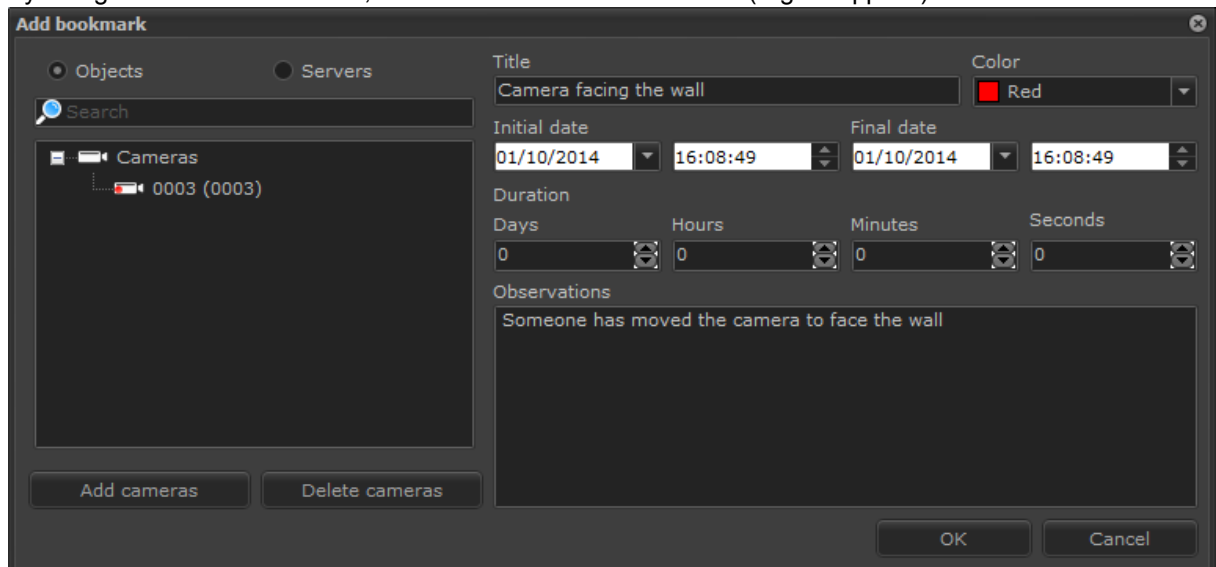




## 2.1.2 Bookmark

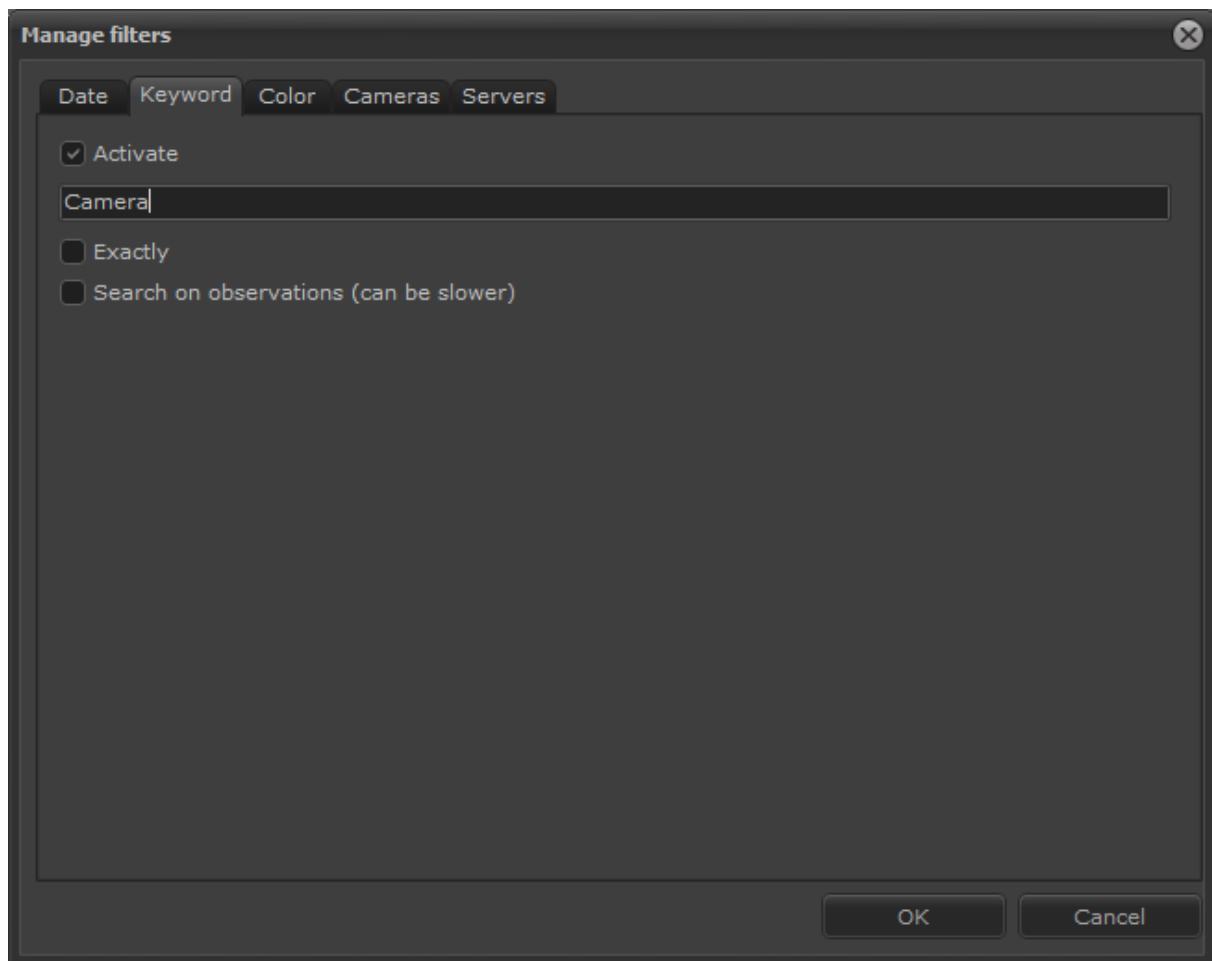
Added a new feature for video bookmark, which allows fast marking of events for later search.

By using the surveillance client, the user can create bookmarks (Rights applied):

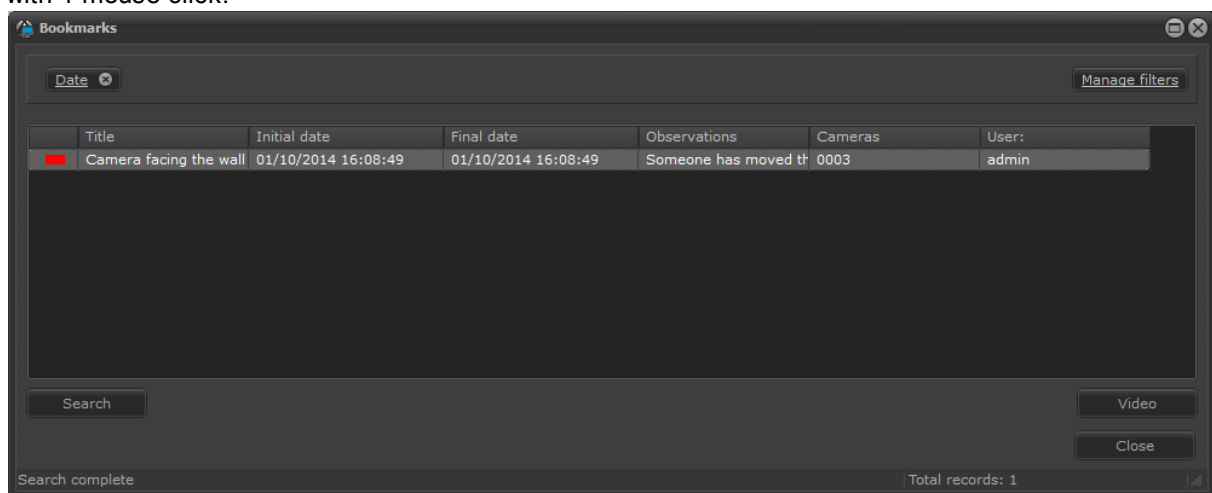


The bookmarks can be created for many cameras simultaneously and allow the choice of a title, color, initial and final date and observations.

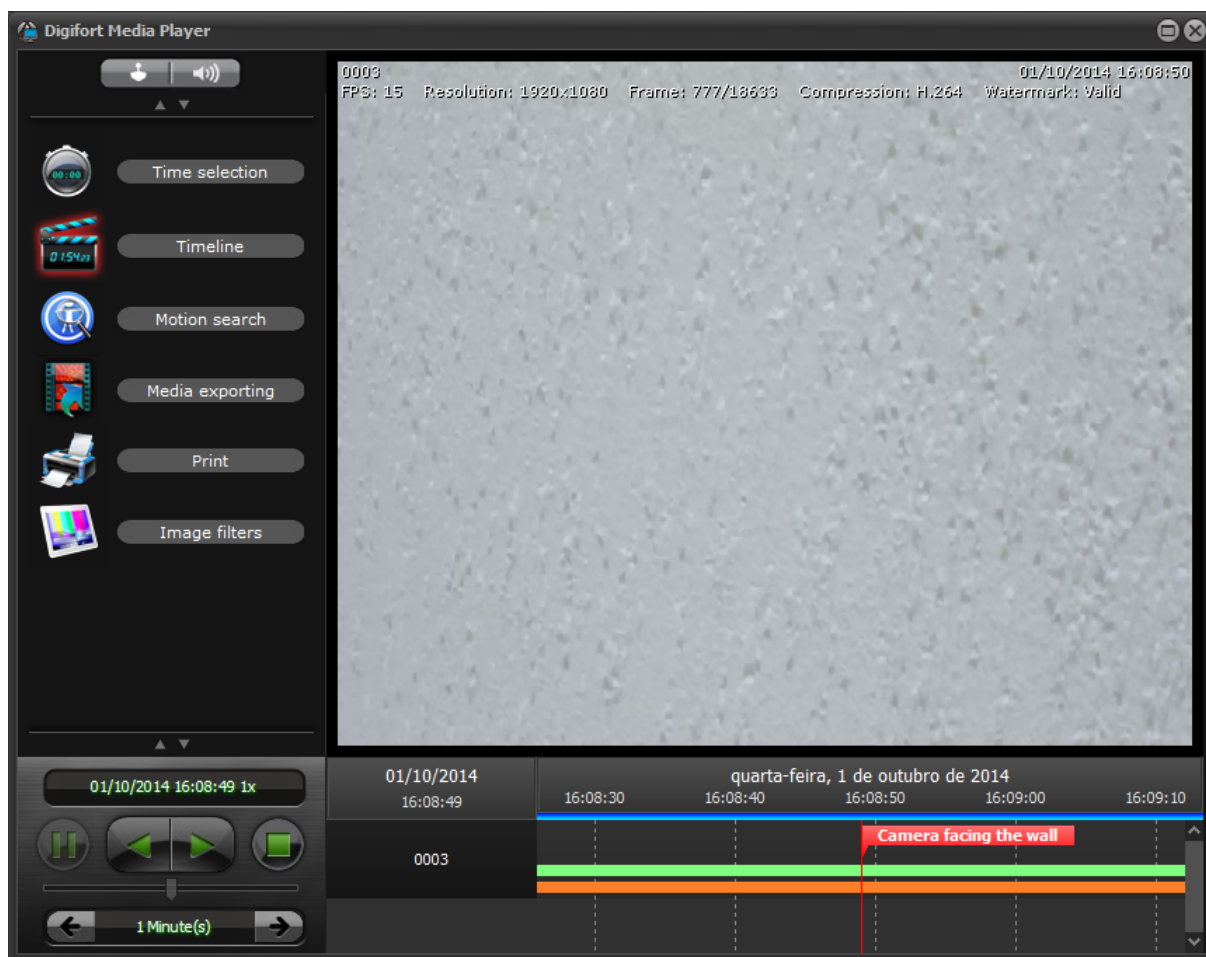
All the fields can be used as filters for later query, in the bookmarks search screen:



The search results will be presented in a list and the user can easily playback the bookmarked video with 1 mouse click:

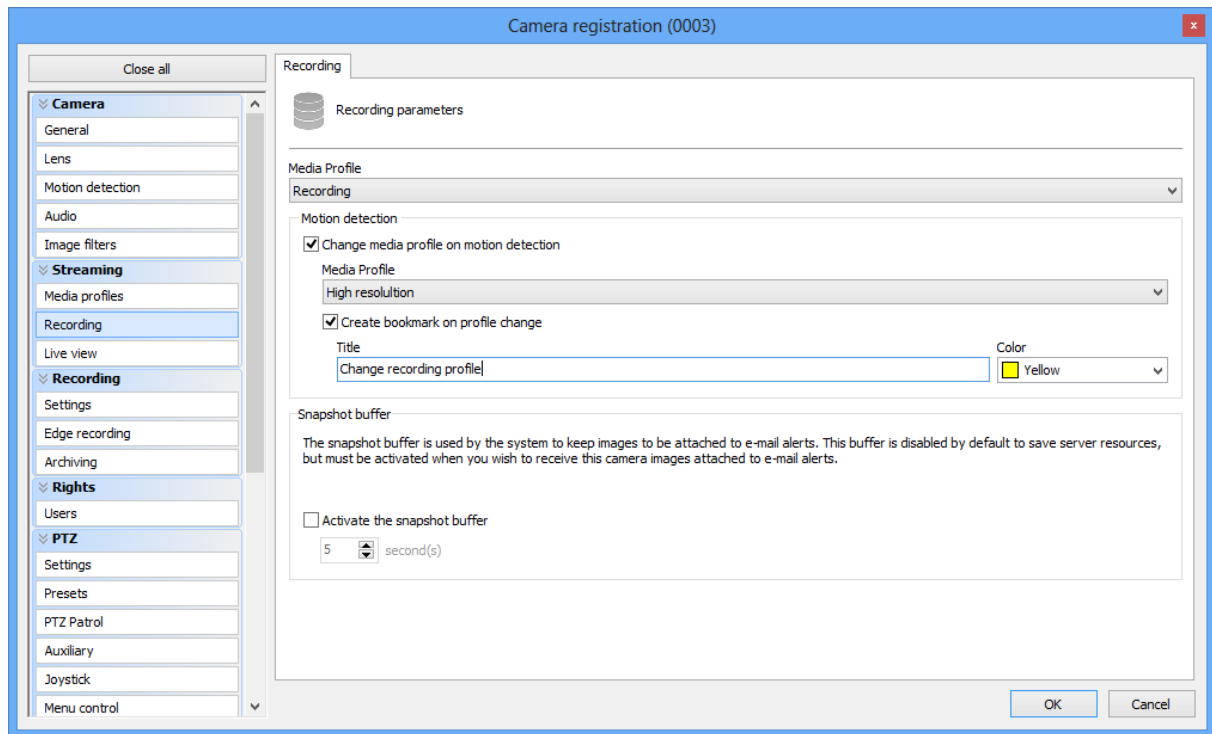


During the playback, the bookmarks will be displayed in the timeline, facilitating the location of events:



### 2.1.2.1 Automatic bookmark creation on recording profile change

The system now allows the automatic creation of a bookmark when the recording profile is changed (By using motion detection):

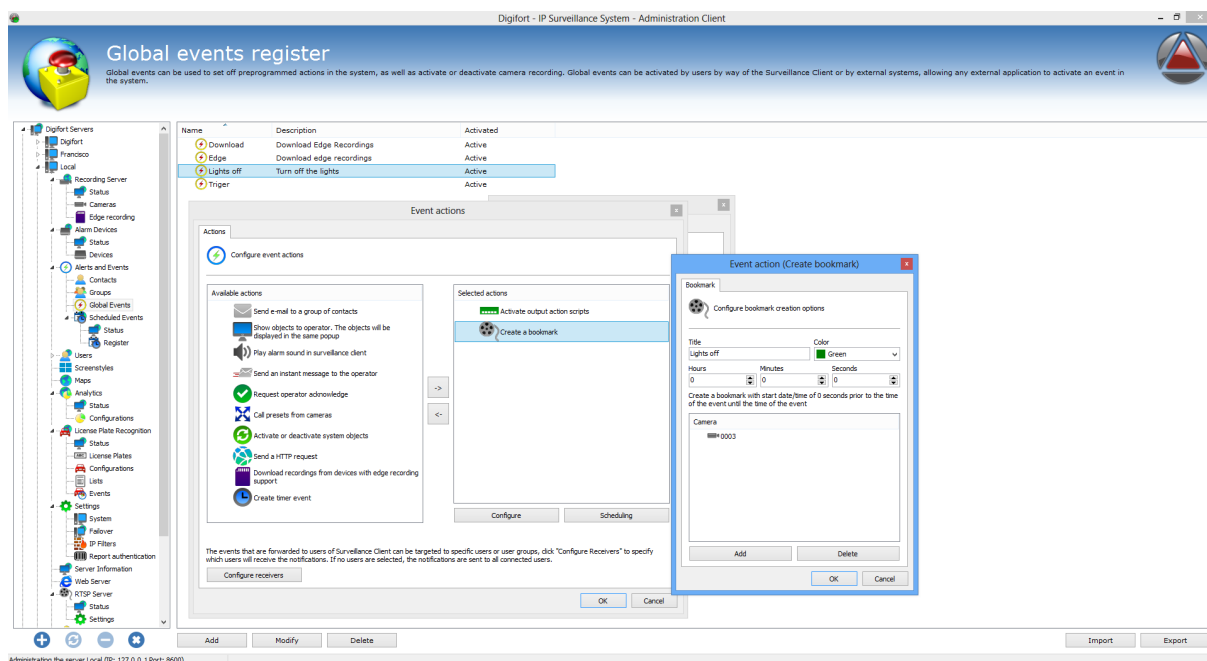


This new feature opens up the possibility of the system to mark, with a video bookmark, all the moments in which the system has detected motion and has changed the profile, facilitating the event search.

#### 2.1.2.2 Creation of bookmarks by events

A new event action was added to allow the creation of bookmarks by any type of event.

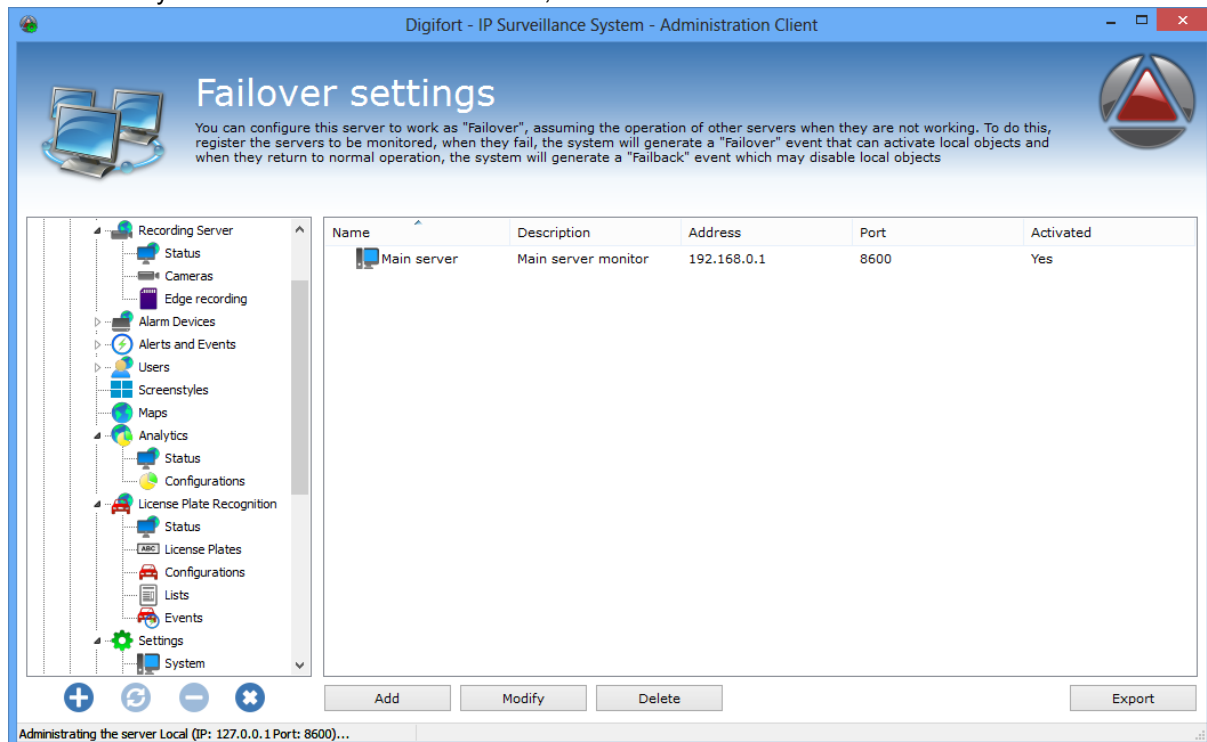
With this new options, the system can create a bookmark whenever a given event occur, easily identifying them in the recordings:



## 2.1.3 Failover

Added a new server failover system. With the failover system you can configure additional servers to take over the operation of other servers in case of a failure.

The failover system allows scenarios of 1 to 1, 1 to N and N to N.



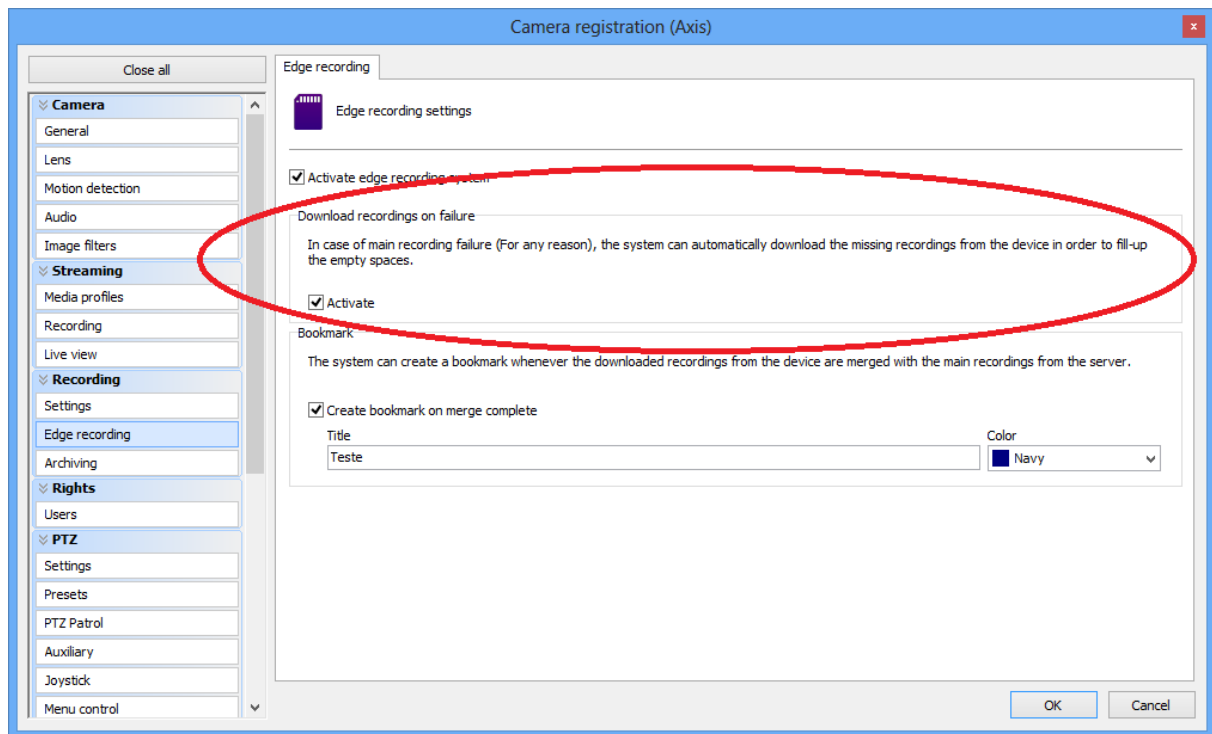
## 2.1.4 Edge Recording

The system now provides full support for Edge Recording.

The edge recording system implemented in Digifort allows the download and merge of recordings stored in the memory card of supported cameras.

### 2.1.4.1 Self-healing of recordings

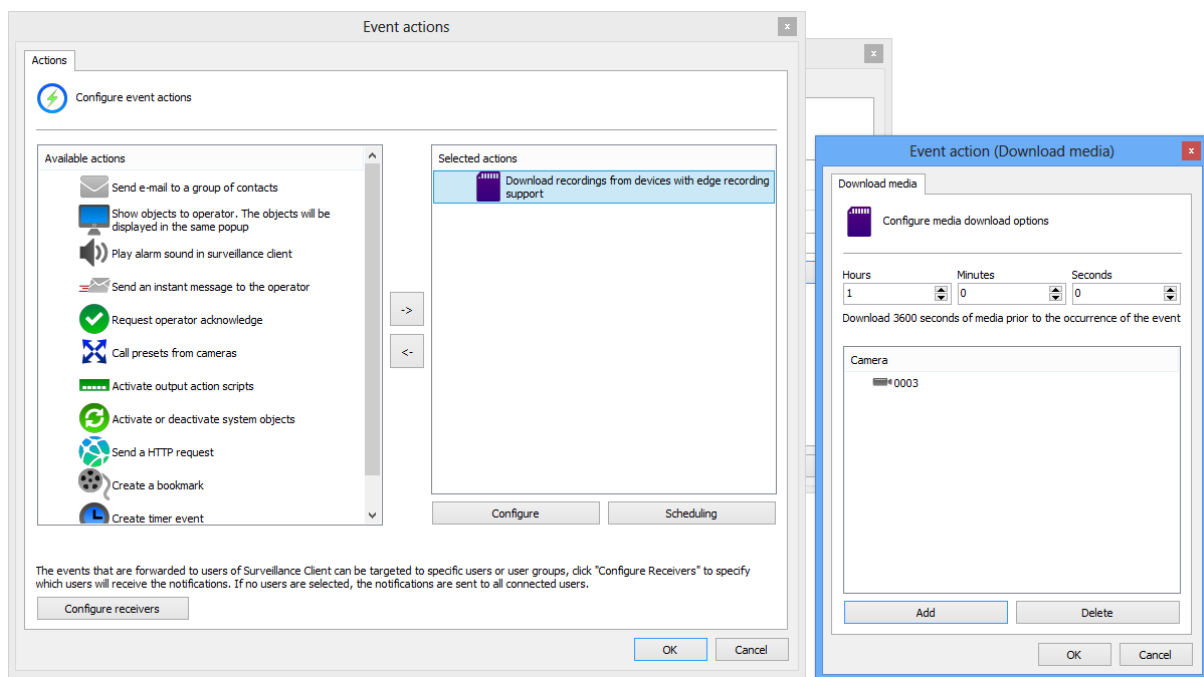
With the self-healing option, the system can be configured to automatically download camera recordings in case of a system failure, filling up the recording gaps from the failure:



### 2.1.4.2 Download recordings by event

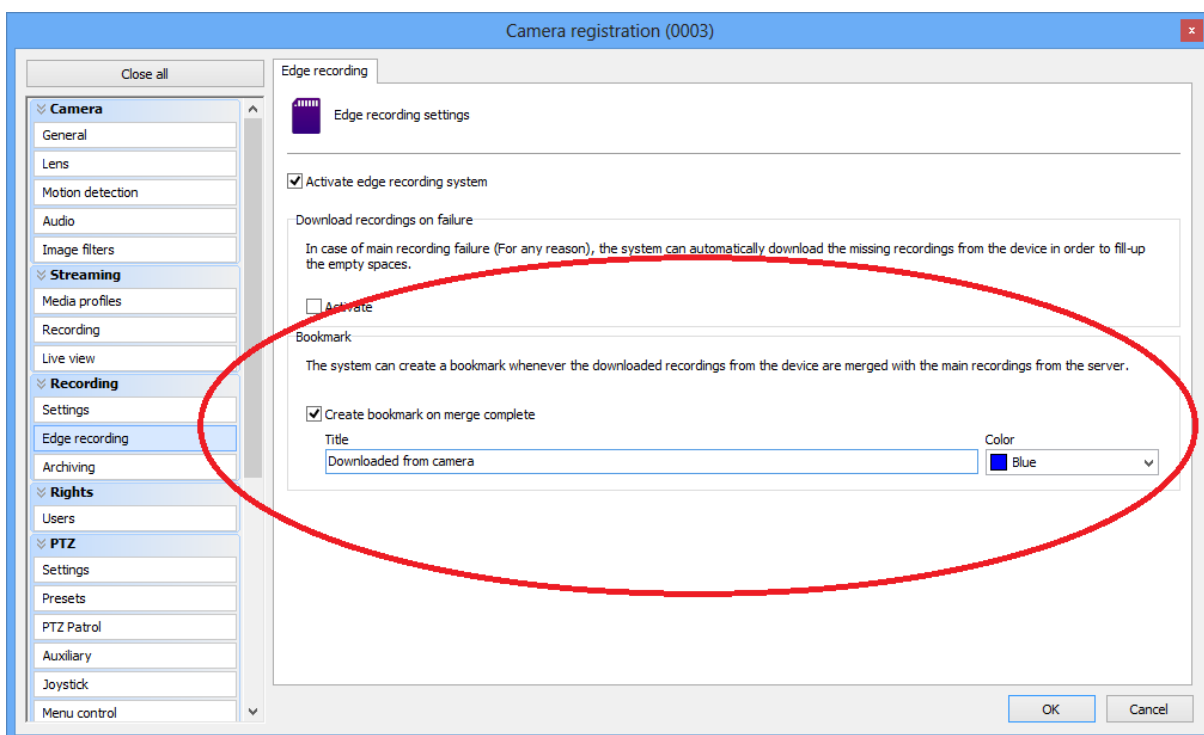
The edge storage system also allows downloading video on the occurrence of any system event, allowing operations such as:

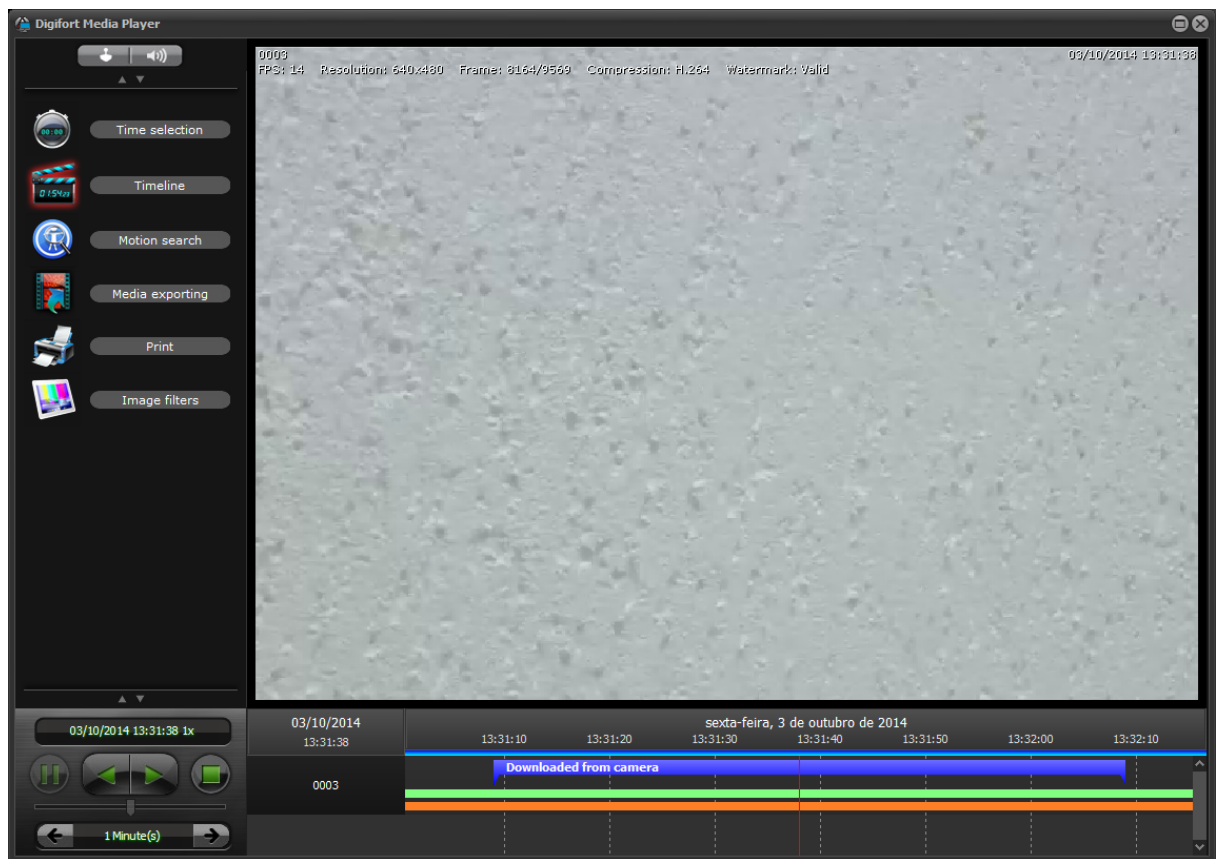
- Downloading recordings using scheduled events, creating a scenario where camera recordings can be daily downloaded at a scheduled time
- Downloading recordings with different resolution on the occurrence of any event



### 2.1.4.3 Automatic bookmarking on merge

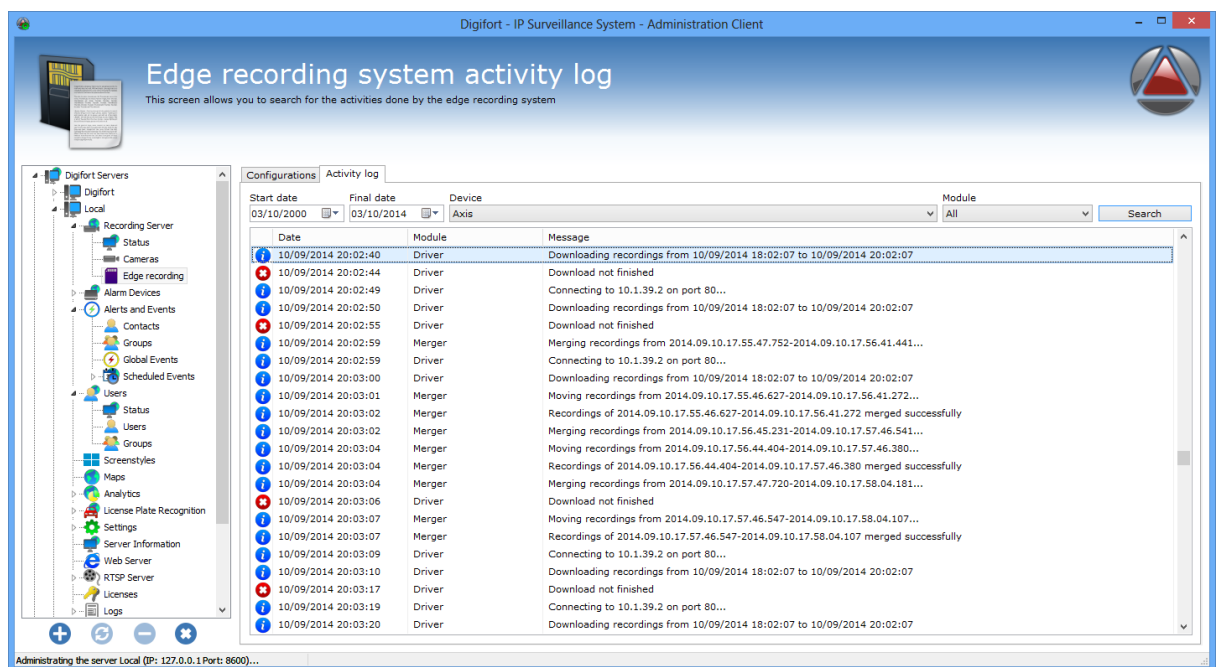
The edge recording system provides a unique option to automatically create a bookmark whenever the downloaded video from a camera is merged with the main recordings, allowing a clear identification in the timeline to distinguish between the main recordings and the downloaded recordings.





#### 2.1.4.4 Activity log

The edge recording system also provides a complete activity log:





### 2.1.5 Digifort Mobile Camera

The system now has a new software which allows recording and live viewing of images from mobile device cameras (Mobile phone, tablet..).

With the popularization of mobile devices and the availability of high-speed data networks, Mobile Camera becomes a very attractive solution for projects requiring mobile surveillance, such as:

- Police and tactical operations
- Cargo inspection
- Property security
- Patrol

The images from all mobile devices that are connected to the system can be recorded and viewed in real time by the operators.

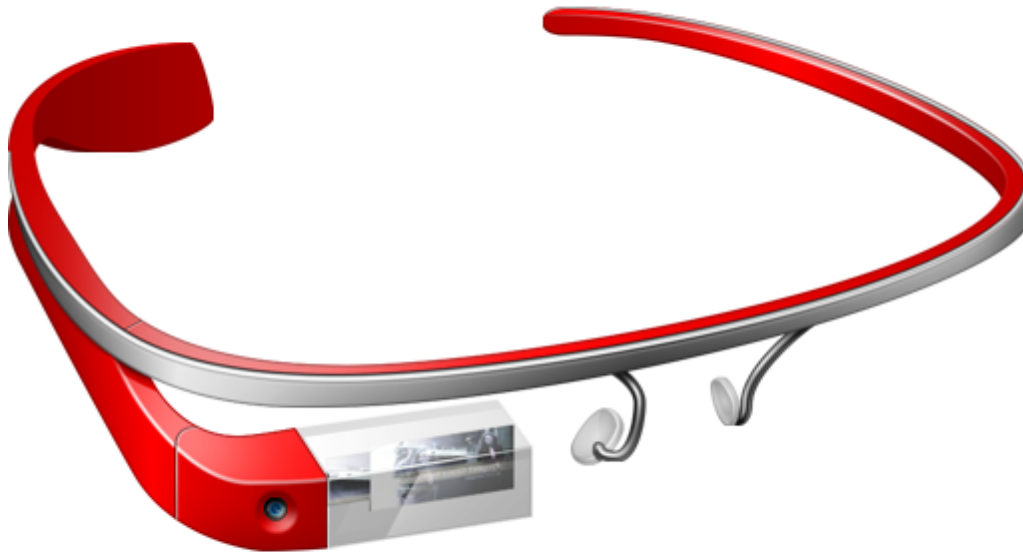
The app will be available for Android and Apple devices.

### 2.1.6 Digifort Smart Glass (Google Glass integration)

This revolutionary new product allows the seamless integration of Digifort software with Google Glass. Using the capabilities of Mobile Camera, it can stream the video generated by Google Glass directly to Digifort, and through voice commands it is also possible to view any camera from Digifort system in Google Glass.

Digifort Smart Glass is a combination of Mobile Camera and Mobile Client, providing the features of both softwares in one compact device using voice commands for operations that require hands-free mobile surveillance.

Digifort is the first company in the world to integrate Google Glass with a VMS software.

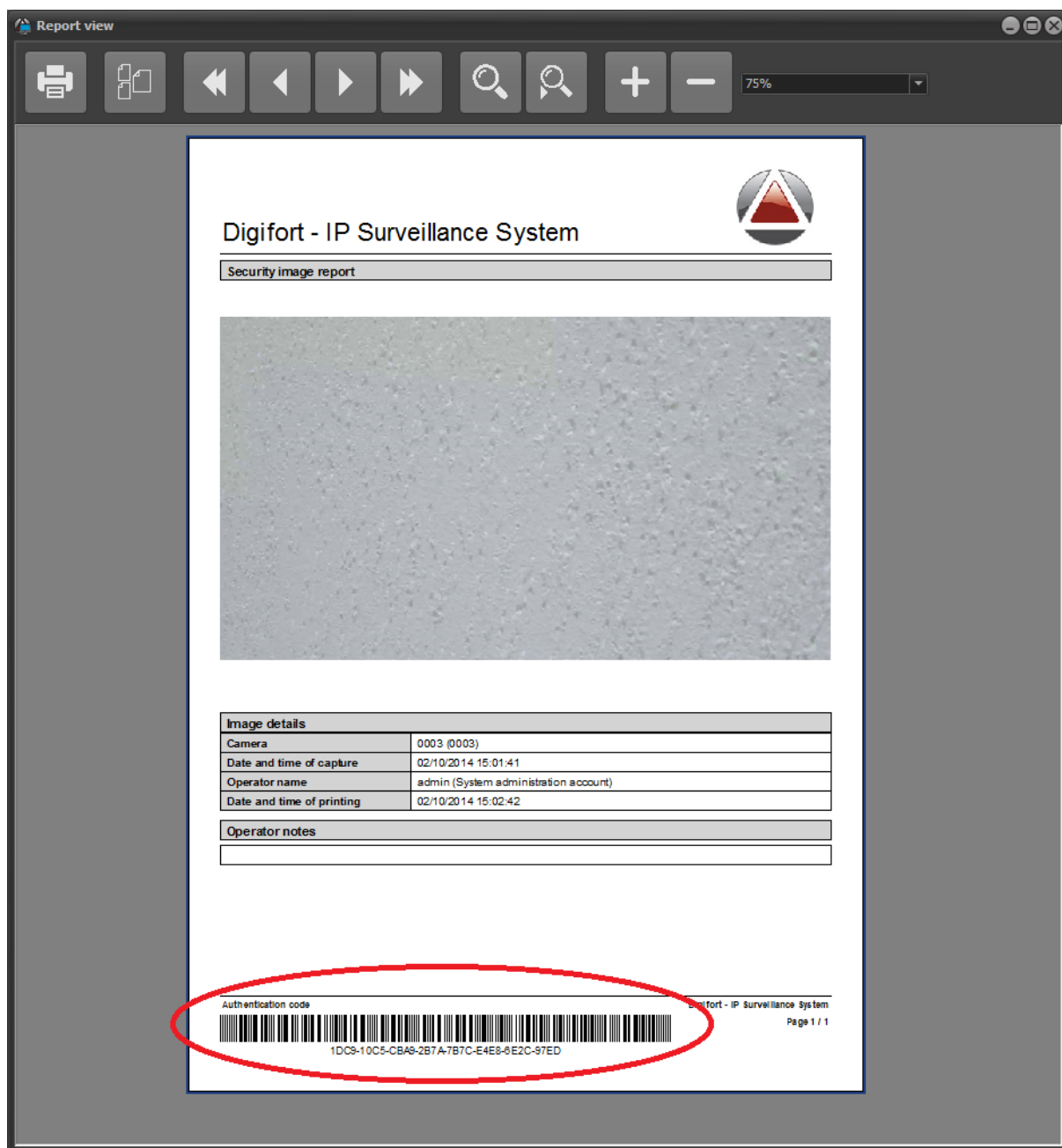


(c) shu-soft.com

### 2.1.7 Report Authentication

The system now has a great feature for verifying the authenticity of an issued report.

Often, reports need to be generated, be it from event records, LPR, analytics or even a print of an image of video playback. With the new Report Authentication feature, the system will add a barcode to all issued reports and this report will be saved in the server in a safe way. Later if you want to check a report issued by the system, simply request the report through the barcode and the system will generate it again with the originally saved data, making it possible to compare them with a pre-printed report in order to confirm its authenticity.



## 2.1.8 ONVIF Profile S

The system is now fully compatible with ONVIF Profile S specification and it is certified by the ONVIF forum itself ([www.onvif.org](http://www.onvif.org))

## 2.1.9 LPR

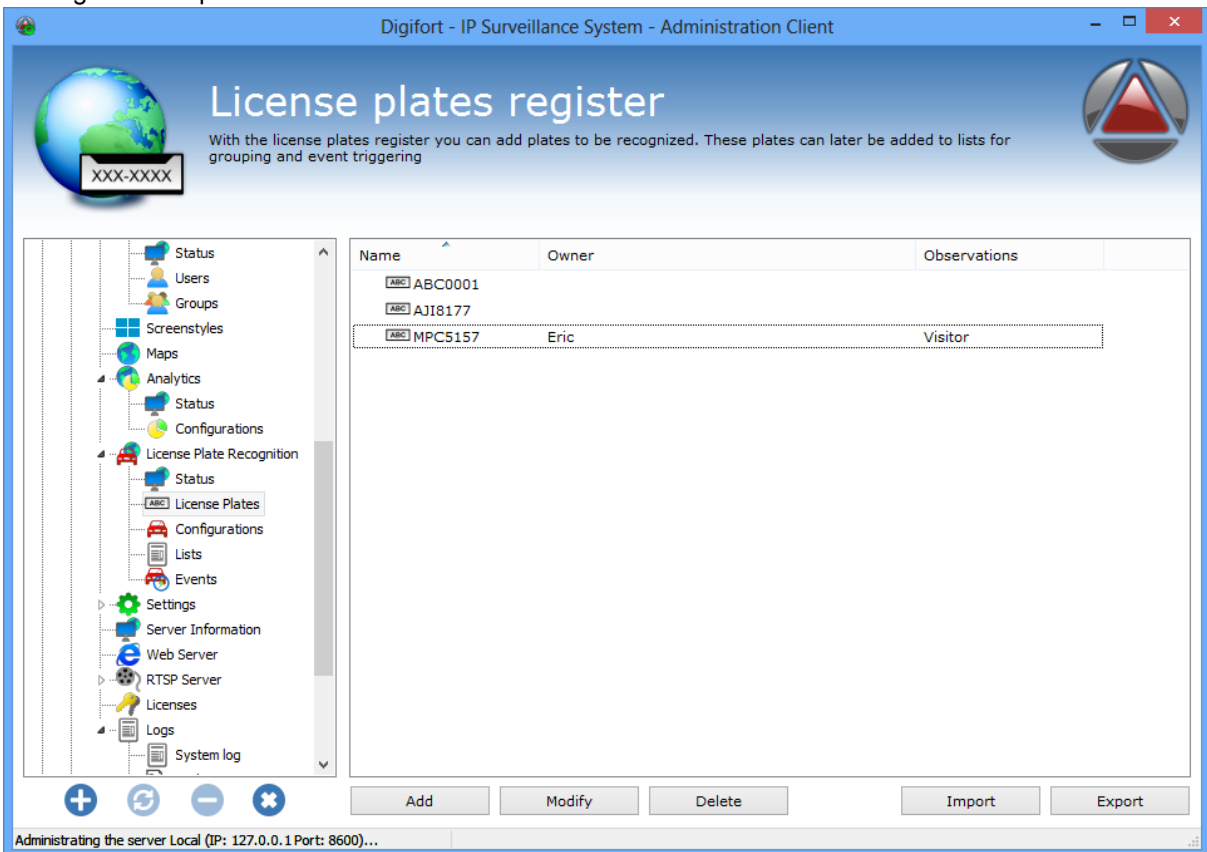
The LPR system was highly improved in this version, providing great new features and improvements

### 2.1.9.1 License plate registration

The LPR system now has an integrated license plate registration, which allows importing and exporting records.

The registered license plates can be associated to lists for easy identification.

The register now provides information such as the vehicle owner and observations.



#### 2.1.9.2 LPR Events

A new structure was created to manage the LPR events. Previously the events were generated by the license plate list itself, triggering an event when a plate was recognized in that list, however the new structure now provides a separated register of events which allows a better control of the environment.

**LPR Events Register**

General

LPR Events Register

Name: Stolen cars

Description: Check for stolen cars

**LPR Configuration**

- Entrance

**Lists**

- Stolen cars

Add Delete Add Delete

☒ Do not trigger the event for repeated plates in the interval of seconds

5 seconds

Schedule when this event will be recognized:

Scheduling

Configure the actions to be executed in case of the event:

Event actions

OK Cancel

The new LPR events now allow the combination of lists and LPR Configurations, ie, if a vehicle is recognized in the configured lists of the event and it was captured by one of the specified configurations, the event will be triggered, enabling eg automatic control of entry and exit of vehicles from an entrance.

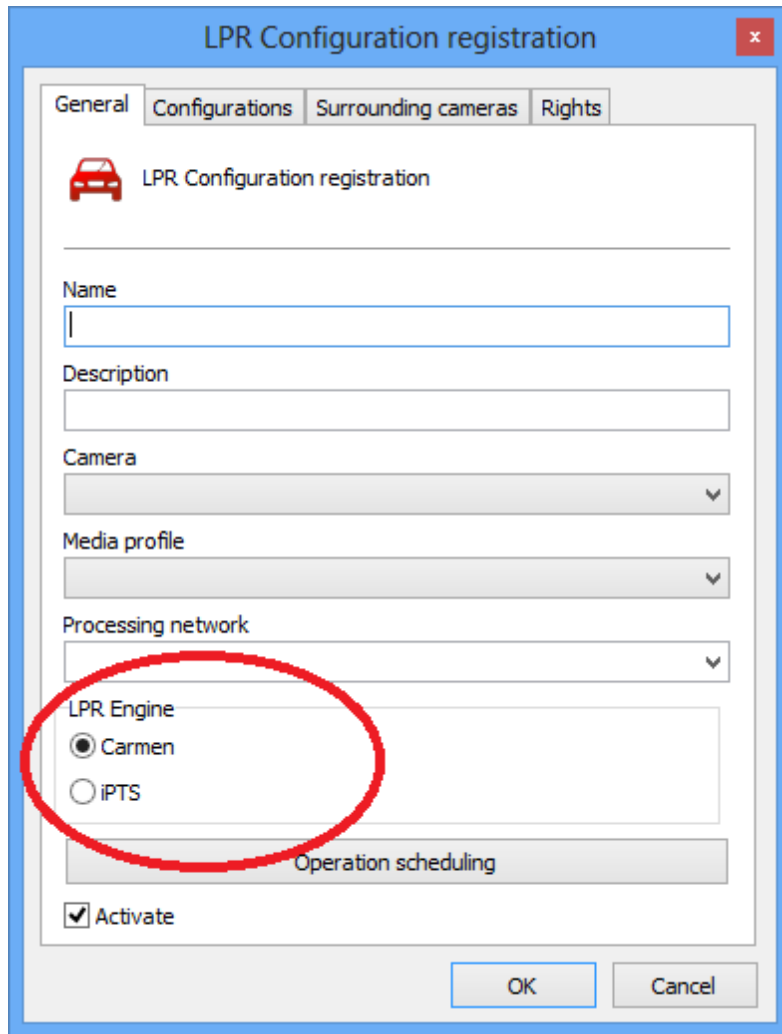
This feature also enables the system to prevent the same license plate to be recognized by the event during X seconds if the vehicle was recognized by more than one attached configuration.

### 2.1.9.3 New LPR engine

A new LPR engine was added to the system. The iPTS engine provides license plate recognition exclusively for Turkey.

The Carmen engine is still used to recognize license plates from the whole world and the Kapta engine

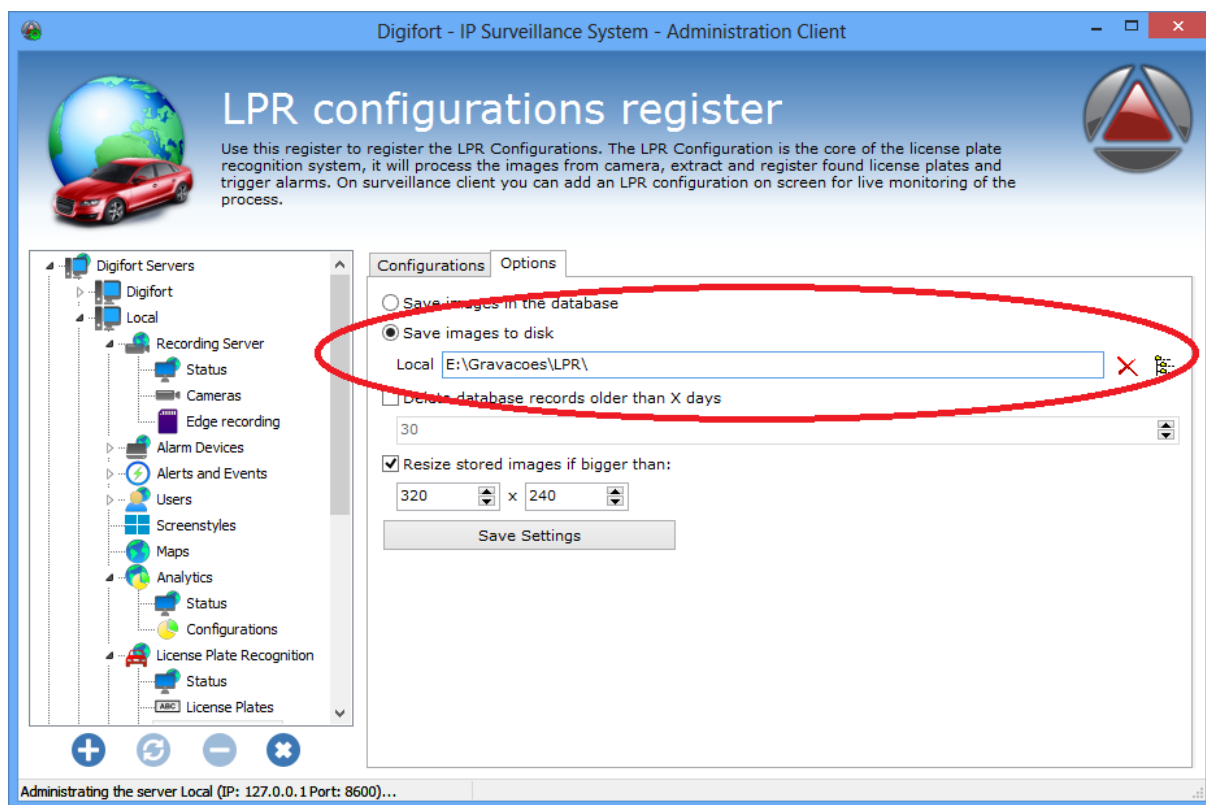
was removed from the system.



The screenshot shows a window titled "LPR Configuration registration" with a red close button in the top right corner. The window has four tabs: "General", "Configurations", "Surrounding cameras", and "Rights". The "General" tab is active. Inside the tab, there is a red car icon and the text "LPR Configuration registration". Below this, there are several input fields: "Name" (a single-line text box), "Description" (a multi-line text box), "Camera" (a dropdown menu), "Media profile" (a dropdown menu), and "Processing network" (a dropdown menu). Below these is the "LPR Engine" section, which is circled in red. It contains two radio buttons: "Carmen" (which is selected) and "iPTS". Below the radio buttons is a greyed-out section labeled "Operation scheduling". At the bottom left of the form is a checkbox labeled "Activate" which is checked. At the bottom right are "OK" and "Cancel" buttons.

#### 2.1.9.4 Option to save the images externally

The LPR system now provides the option to save the images of recognized plates in an external folder, instead of using the database for storage:



#### 2.1.9.5 License plate masks in lists

The license plate lists now supports masks. Masks can be used to trigger events for a set of plates that meets a given criteria:

License plate list registration

General

License plate list registration

Name  
Stolen cars

Description

Color

License Plates

ABC LSJ0149

Masks

ABC \*  
ABC AB?1234  
ABC \*80

Add Delete Export

Import license plates from another list

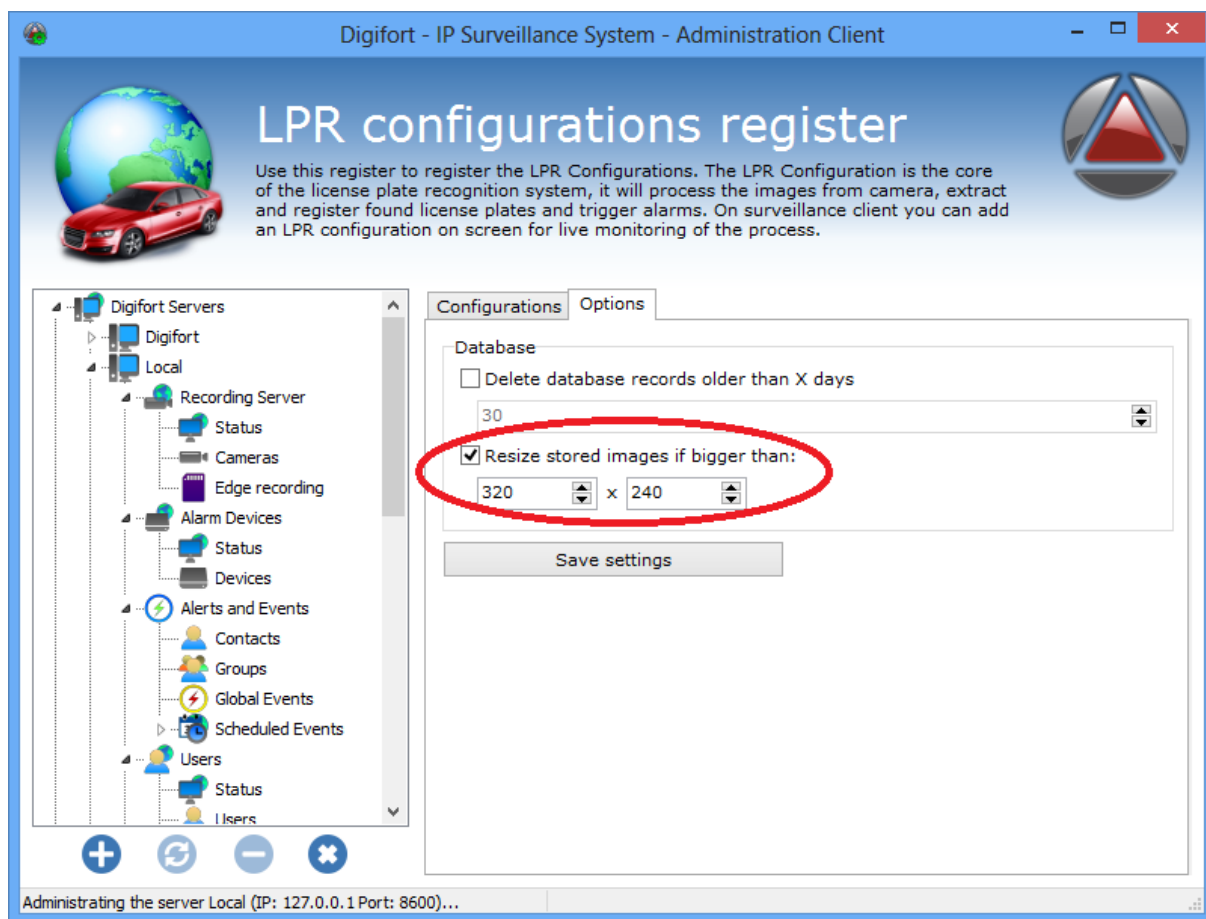
Visitors Import Add Modify Delete

OK Cancel

#### 2.1.9.6 Automatic resizing of images

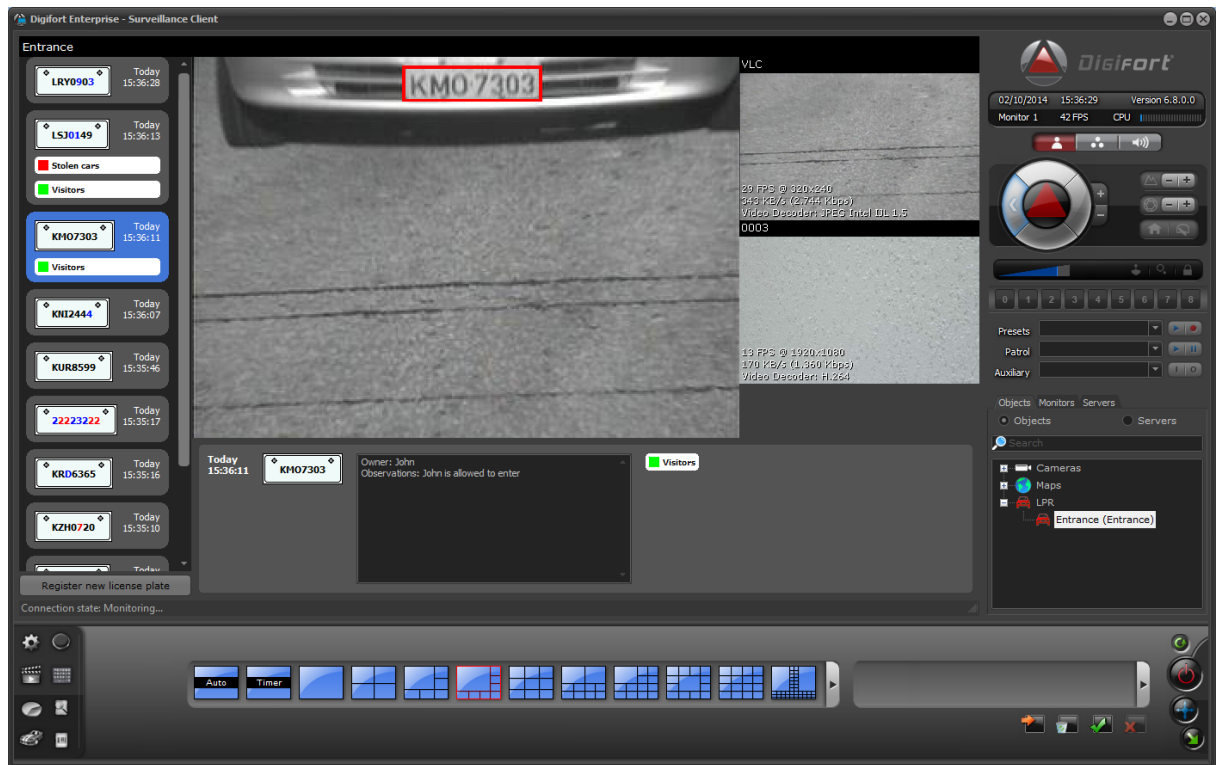
The system now allows automatic resizing of the images of a recognized license plate to a given size before saving to database. If the option is not made, the system will store the original image.





#### 2.1.9.7 New interface for surveillance

The LPR monitor control in surveillance client now has a new user interface, totally redesigned to provide a better and clear viewing of the captured information.



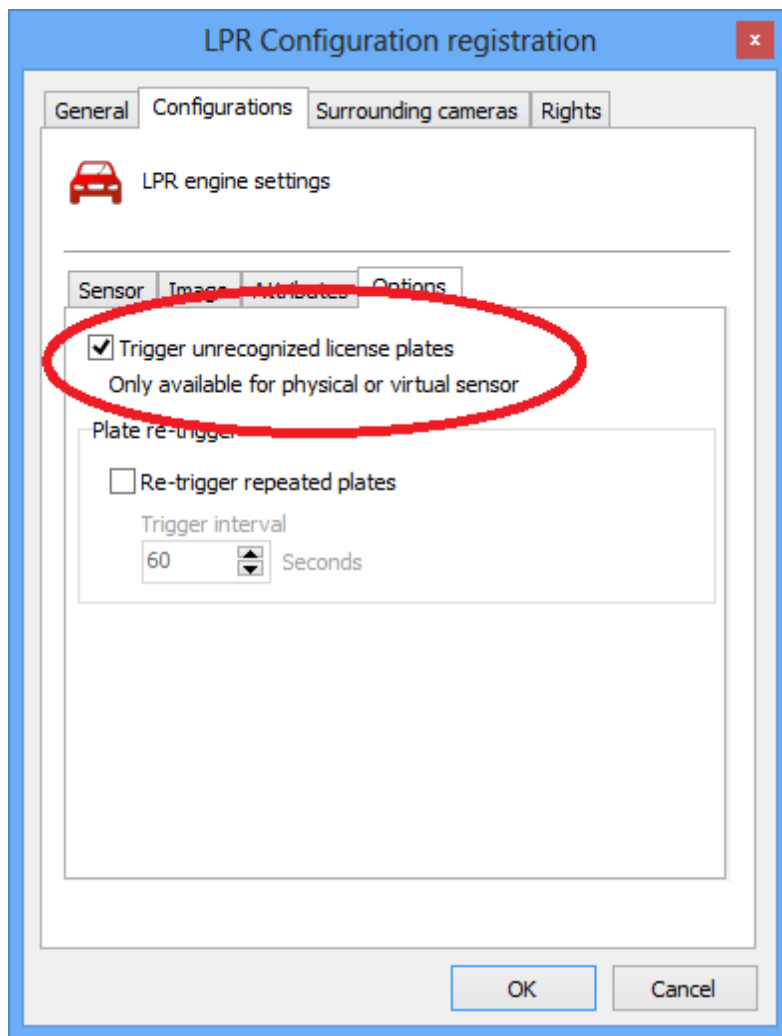
The new interface has:

- Sidebar with the latest recognized plates
- Panel with the image of a recognized plate
- Panel with a live camera and associated surrounding cameras
- Panel with information about the recognized license plate
- Panel containing the lists in which the plate was found

The new interface also allows the operator to register a new plate directly from the surveillance client

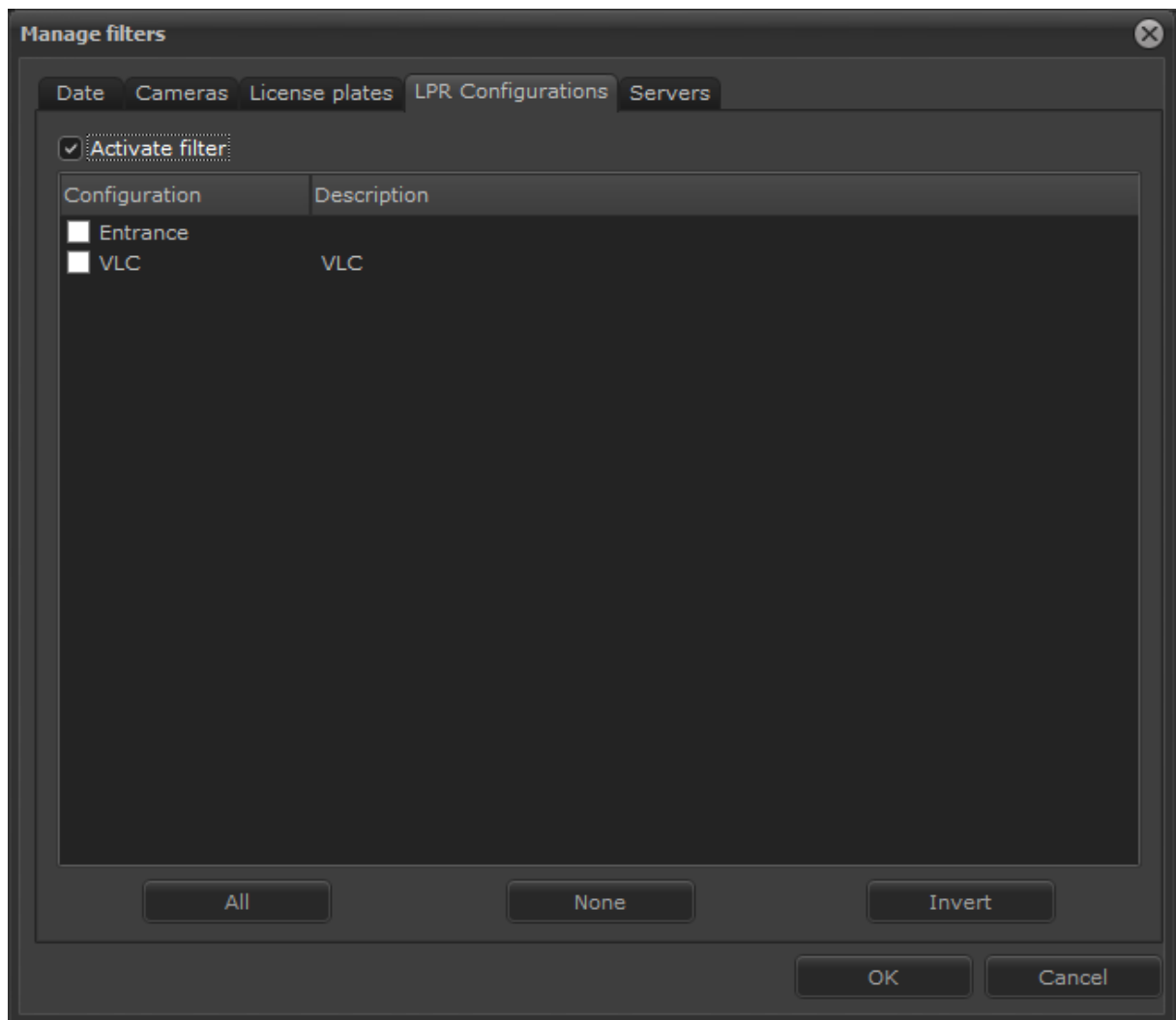
#### 2.1.9.8 Trigger unrecognized license plates

The LPR engines now has a new option to trigger the plates that were not recognized, however this option is only available when using physical or external sensors. With this option, when a sensor notifies the system to start the recognition process and the system does not find any license plate, a record will be created with the character "-", identifying that a plate was not recognized.



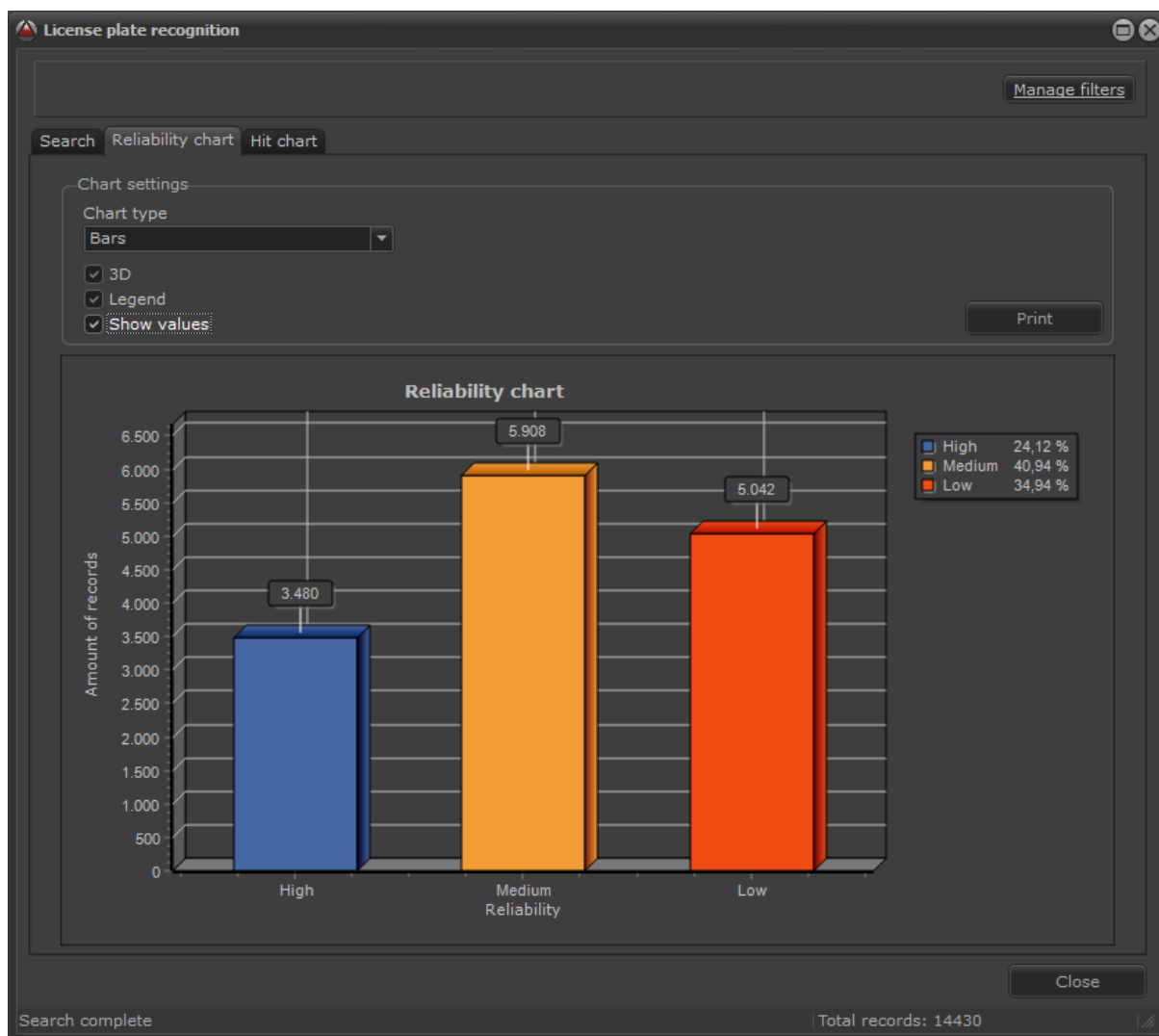
#### 2.1.9.9 Filter for LPR Configuration in searches

The LPR record search show allows filtering by LPR Configuration



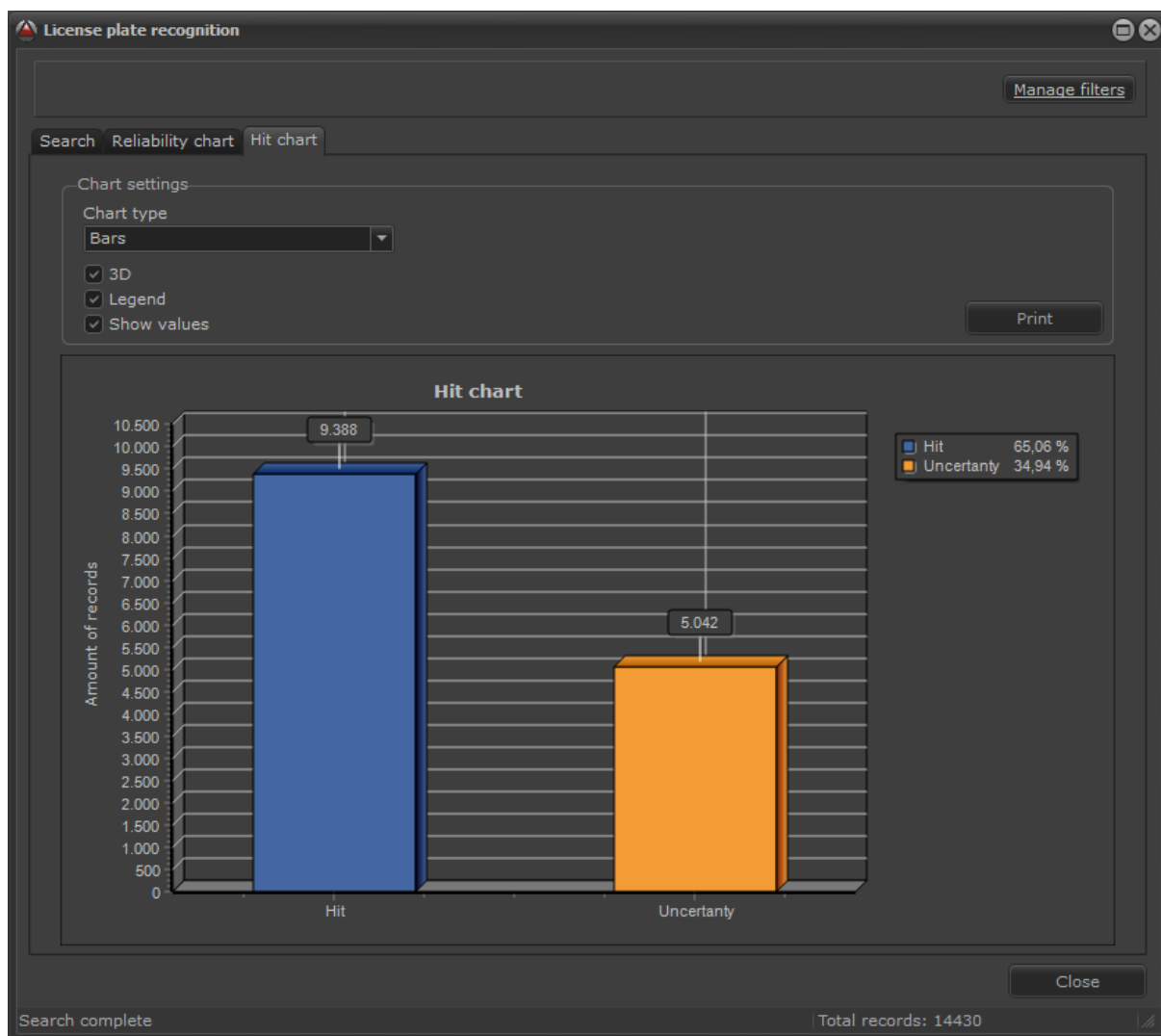
#### 2.1.9.10 Reliability chart

The LPR record search now provides a chart with the reliability of the results. This chart represents the reliability of character recognition.



#### 2.1.9.11 Hit chart

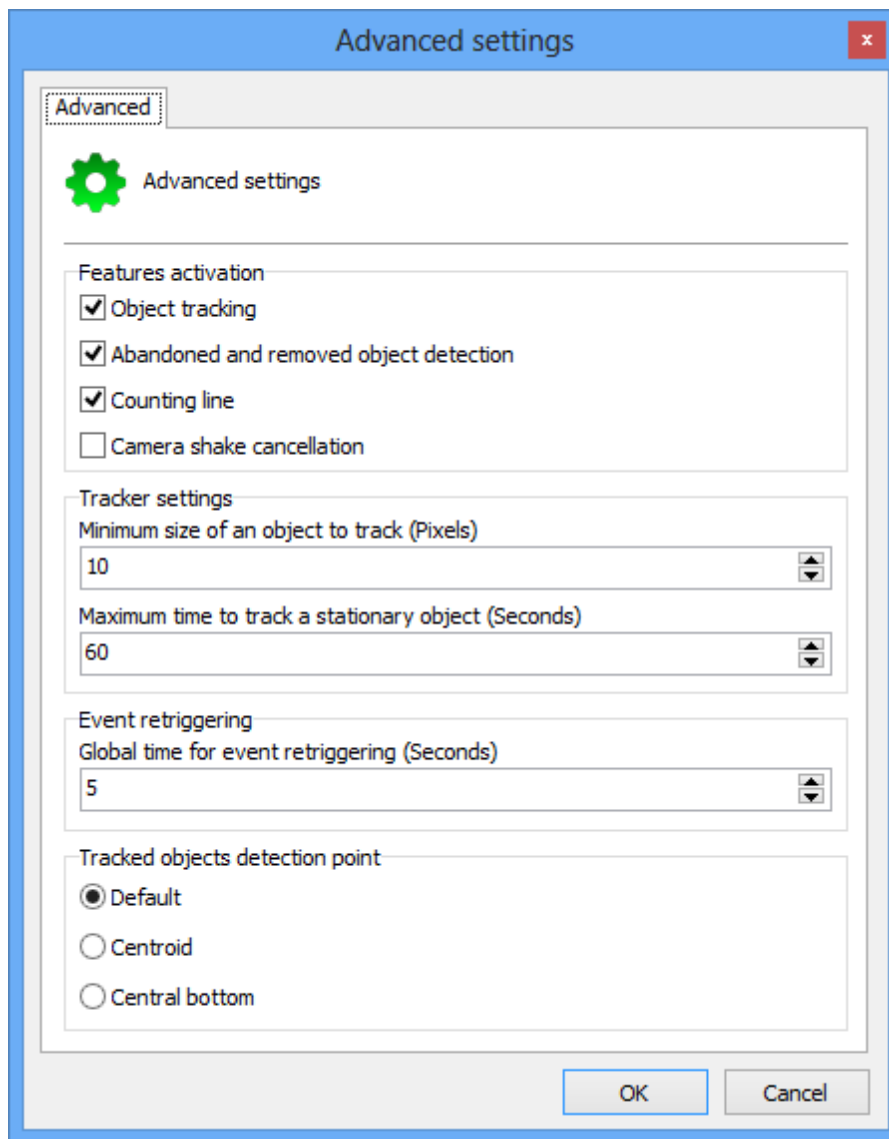
The LPR record search how provides a hit chart. This chart is calculated by using the values of reliability and shows total of records with good reading and bad reading.



## 2.1.10 Analytics

### 2.1.10.1 New settings for advanced analytics

The advanced analytics now has a few more options:

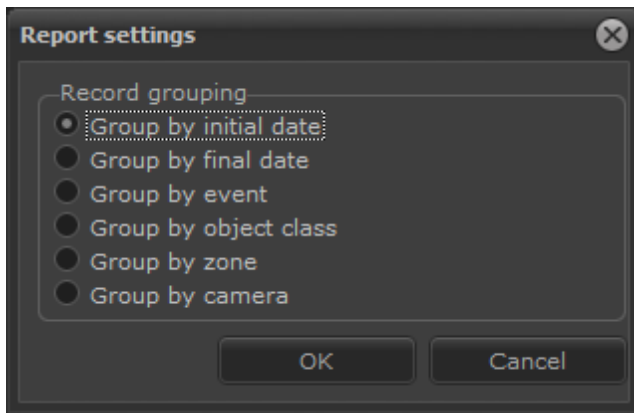


Event retriggering - Allow the system to use a cooldown time to retrigger the same event again

Detection point of tracked objects - It is now possible to configure the detection point of an object

#### 2.1.10.2 Grouping of analytics records

The analytics reports now allows record grouping:



### 2.1.10.3 Edge analytics

Added support for edge analytics of Sony cameras (DEPA)

## 2.1.11 Performance improvement

Many improvements were made in the core the system to provide better performance and stability, including improvements in the multi-threading system, codec and rendering.

The system server now has a new multi-threading architecture that allows it to parallelize even more tasks to better use the resources of a CPU with multiple cores.

### 2.1.11.1 New video decoders

Added new decoders for H.264, MPEG-4 and H.263.

The new H.264 decoder has a performance gain of up to 63% compared to the decoder used in previous versions, which allows for visualization and management of even more cameras using the same hardware.

### 2.1.11.2 New image resizer

A new image resizer was implemented, providing more performance for rescaling, event when the option for bilinear resizing is used

### 2.1.11.3 New JPEG codec

A new JPEG codec was implemented. The JPEG codec is used by the server to decode and encode JPEG images. The new codec has superior performance compared to the old codec.

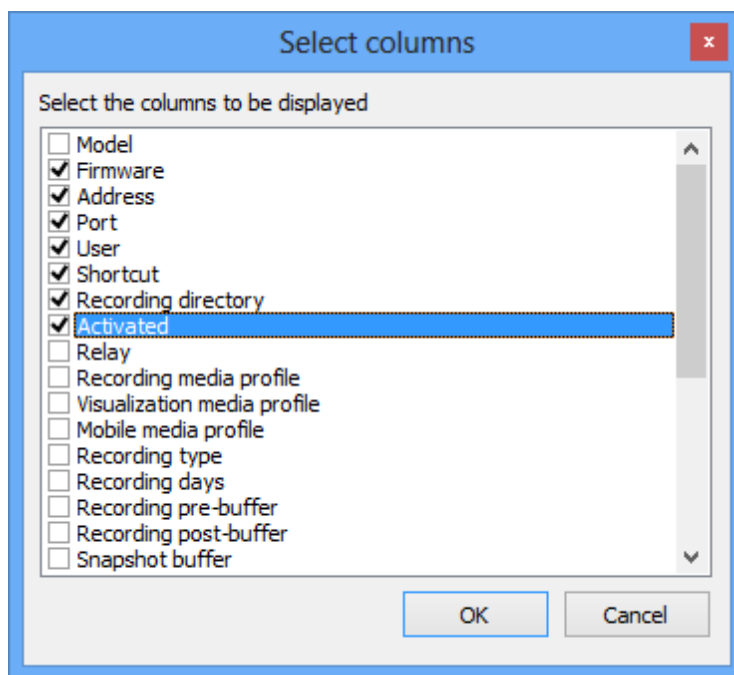
## 2.1.12 New administrative features and improvements

### 2.1.12.1 New information columns in register screens

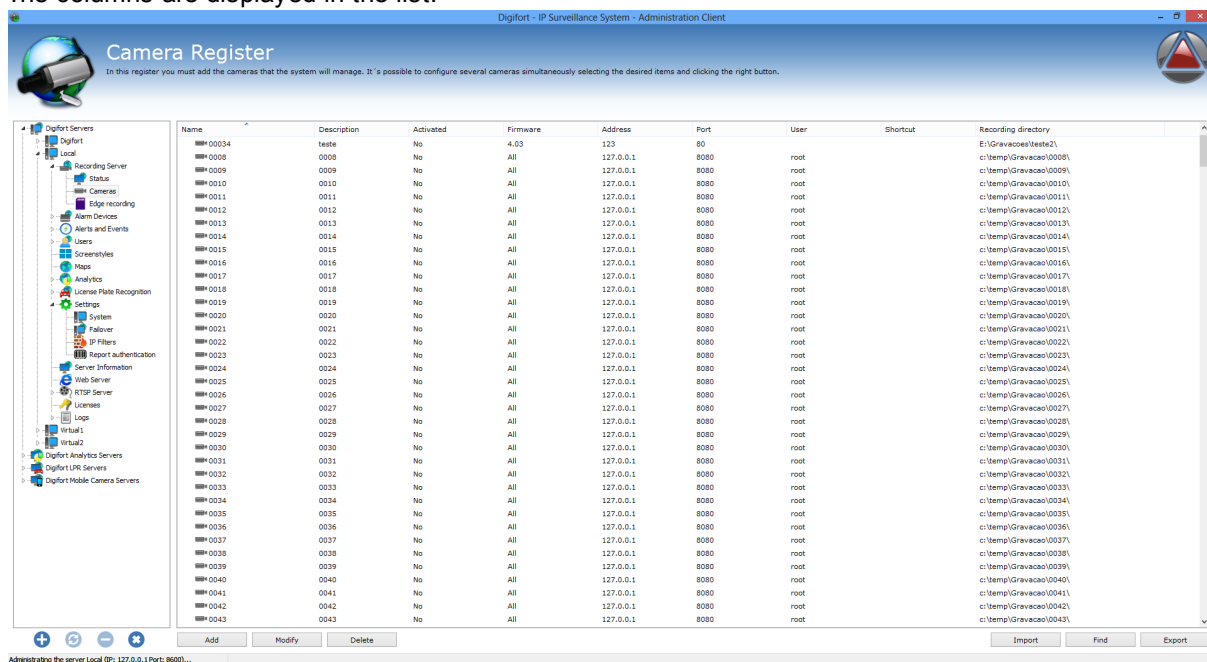
The administration client now has a great tool that will assist the management and configuration of objects in a server. The extended columns are implemented for all registration screens that contain information that can be displayed in a list.

In the registration of cameras for example, the user can select which columns should be displayed:





The columns are displayed in the list:



The columns can also be sorted, moved and resized. The selected columns are saved and the next time the registration is opened they will be displayed in the same manner in which they were configured.

This will become an indispensable tool for administration of large and medium installations.

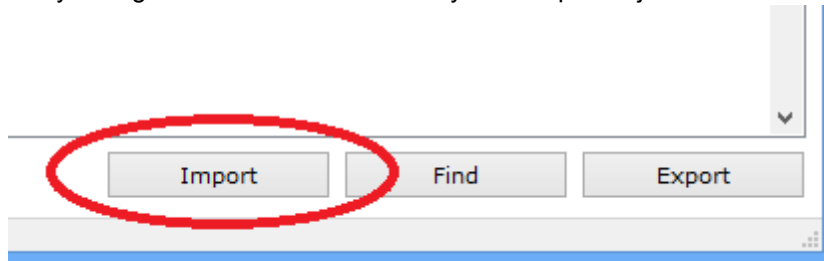
### 2.1.12.2 Object importing

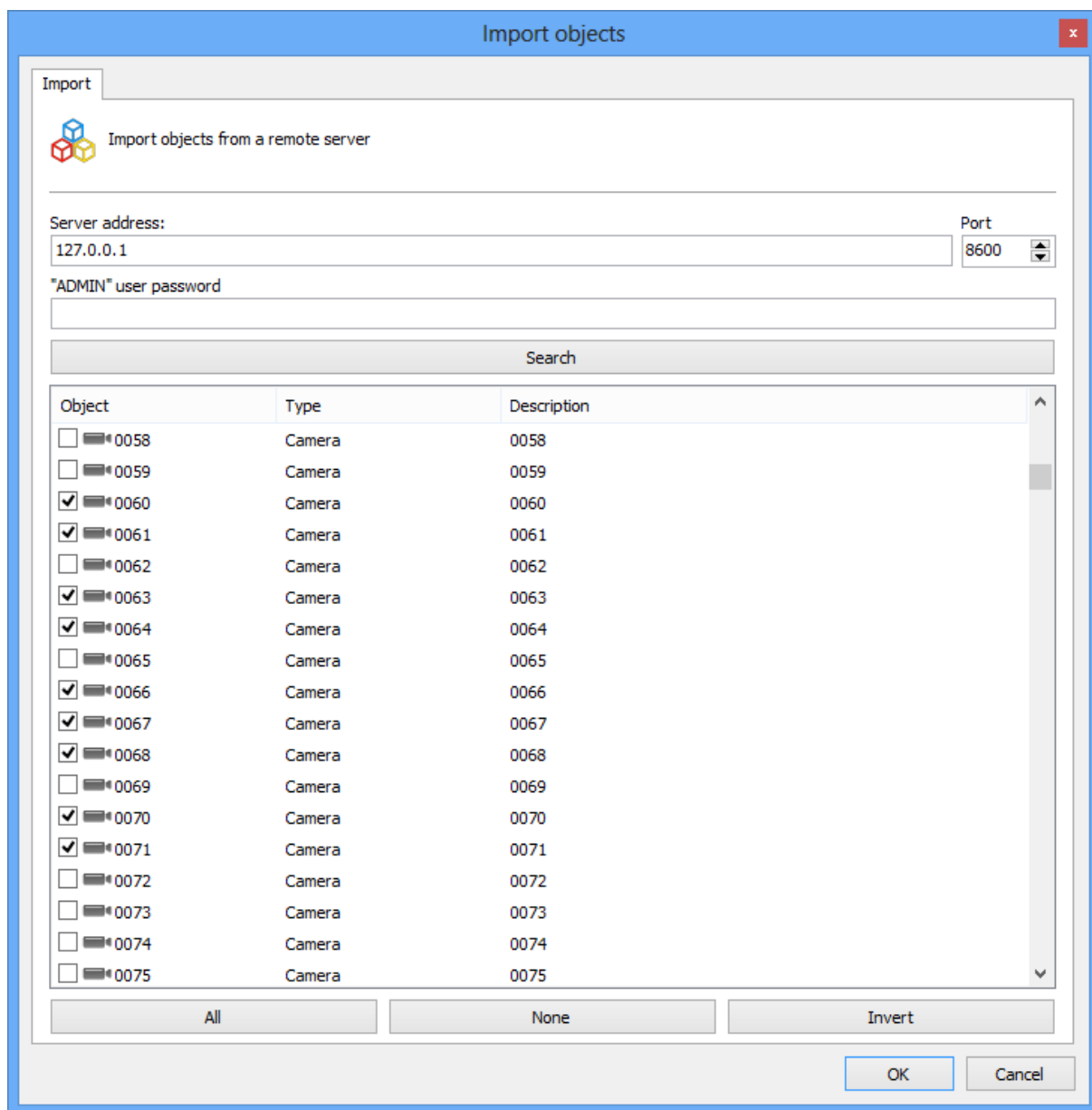
Importing objects from a remote server is a new tool that will help manage large Digifort installations.

This new tool allows the system to import objects from other Digifort servers, accelerating the configuration of a new server.

The system allows importing of any object type such as Cameras, Alarm Devices, Users, LPR Configurations and Analytics Configurations.

Every configuration screen that allows you to import objects now has an "Import" button

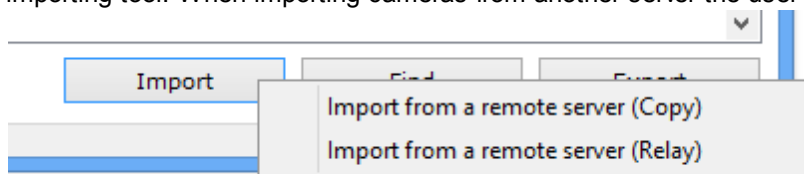




#### 2.1.12.2.1 Import cameras for relay

Many Digifort installations often need to provide external access to live cameras and many customers prefer not to provide access directly to the main server, but rather a parallel media server whose function is to get live images from the main server and providing them to external clients.

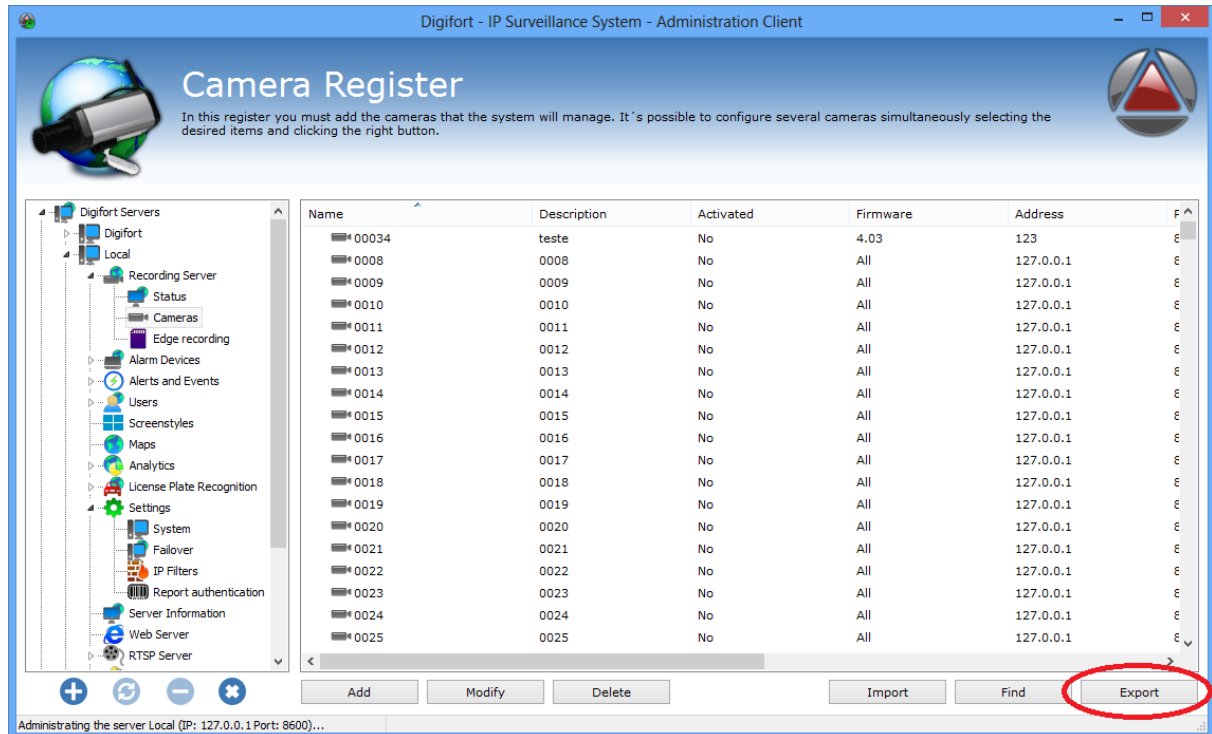
To assist in the creation of this media server, we have created a new option using the system object importing tool. When importing cameras from another server the user has 2 options:



The option to "Import from a remote server (Relay)" will import the cameras from the server and configure them to get the images to the remote server instead of getting images directly from the cameras (To prevent duplicated connections with them). With this, the administrator can create a new server to provide live cameras in an easy and fast way!

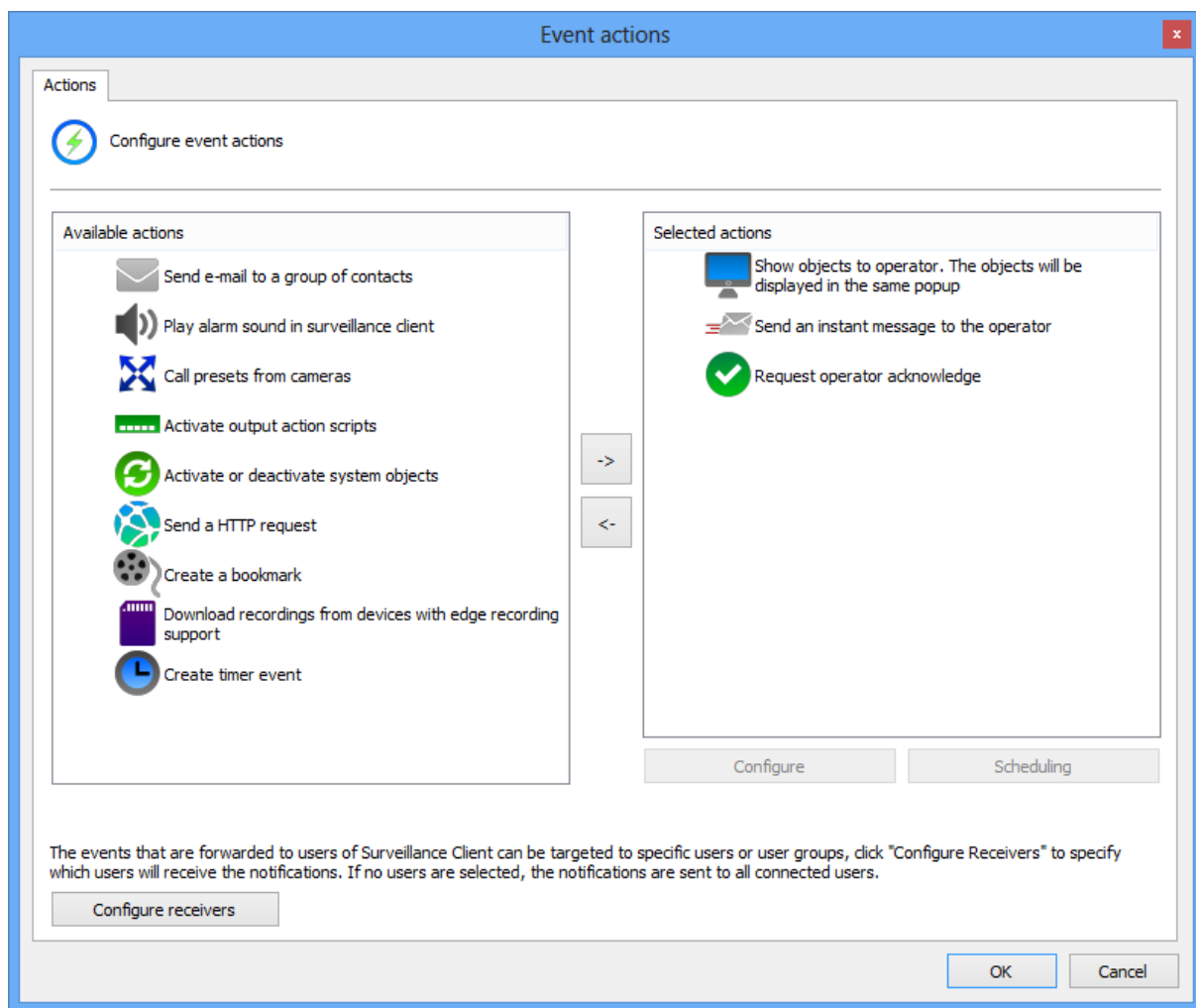
### 2.1.12.3 Exporting information from object registers

All object registration screens from administration client will now have a export button to allow the data on screen to be exported to a file. By using this feature, the administrator can get reports with the desired information about each module of the system. The data will be exported into a CSV file:



### 2.1.12.4 New event actions interface

With the addition of new event actions, the screen to select those actions was also changed with the objective of providing a better control and overview of the selected actions for a given event:

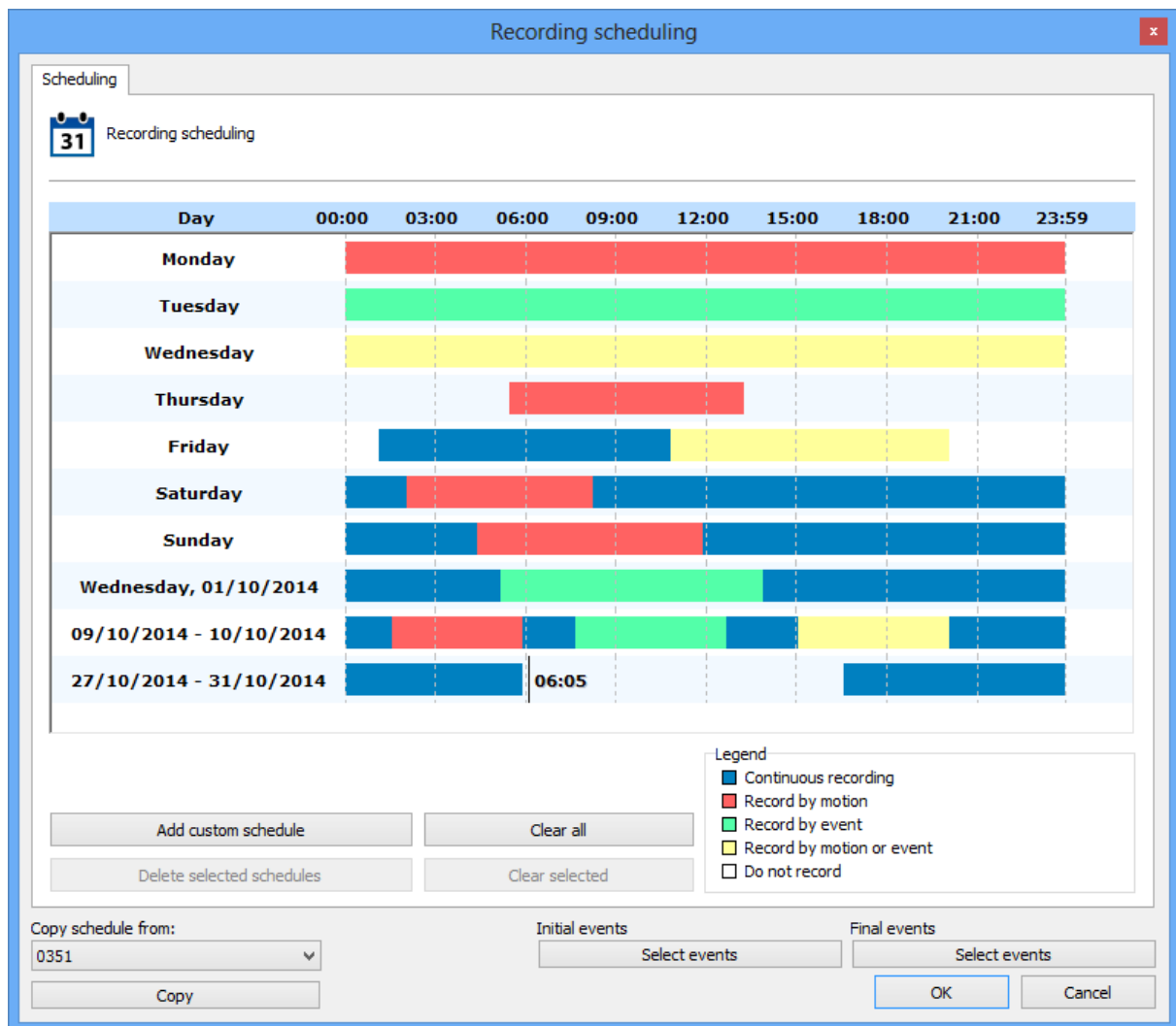


### 2.1.12.5 New features for scheduling

The whole scheduling system has been completely redesigned to allow new functions such as:

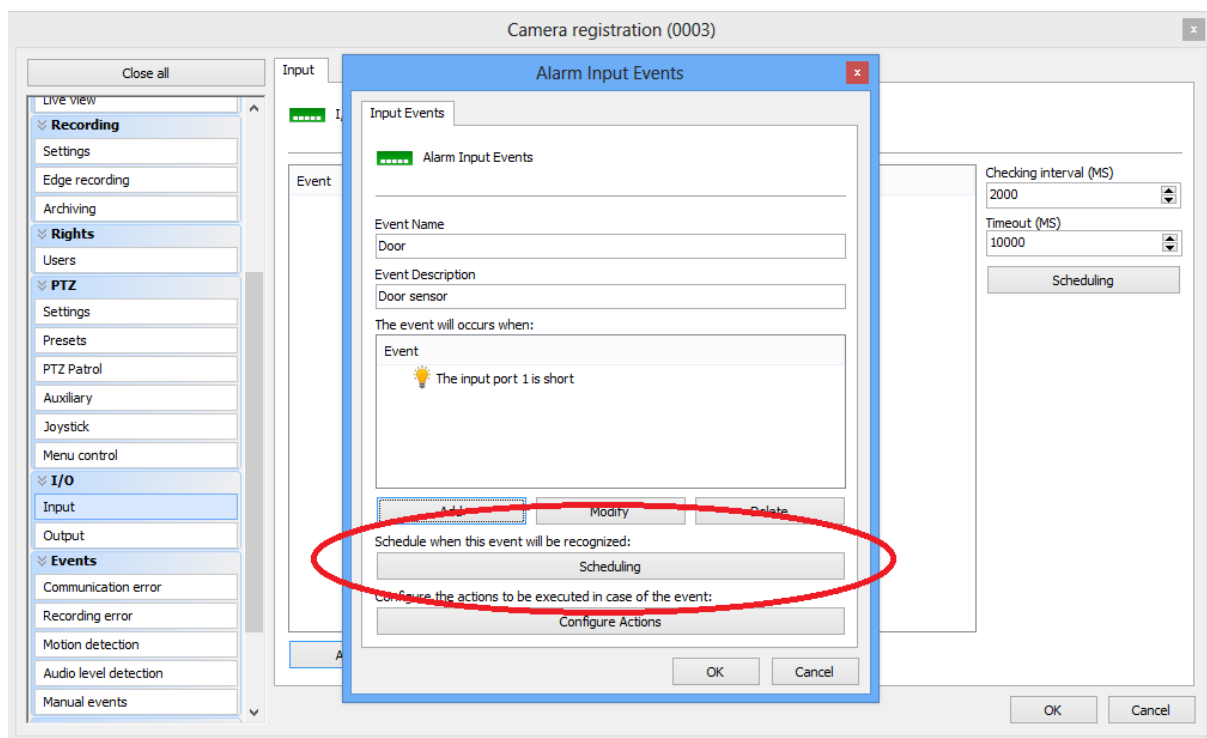
- Custom schedules of days (Eg holidays, important dates)
- Easy to setup
- Easier to view the overview of scheduling

To meet the new requirements, a new configuration interface was created:



### 2.1.12.6 Independent scheduling for alarm inputs

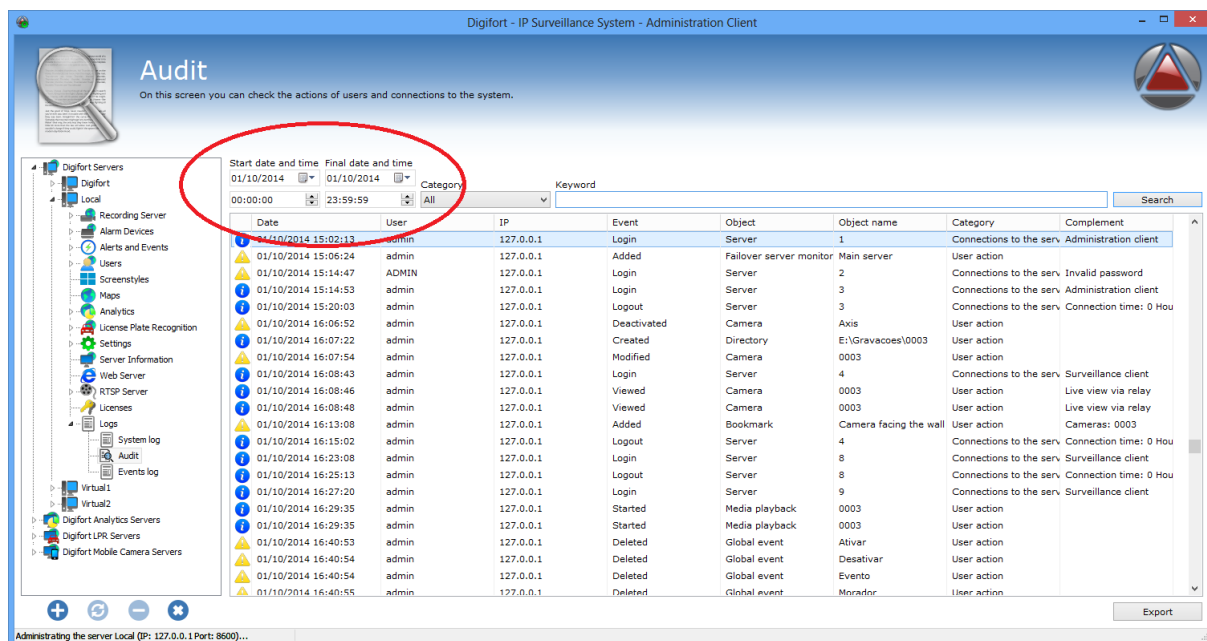
The system now allows the configuration of independent schedules for each alarm input event (For cameras and alarm devices):



## 2.1.12.7 Audit improvements

### 2.1.12.7.1 Date and time interval in search

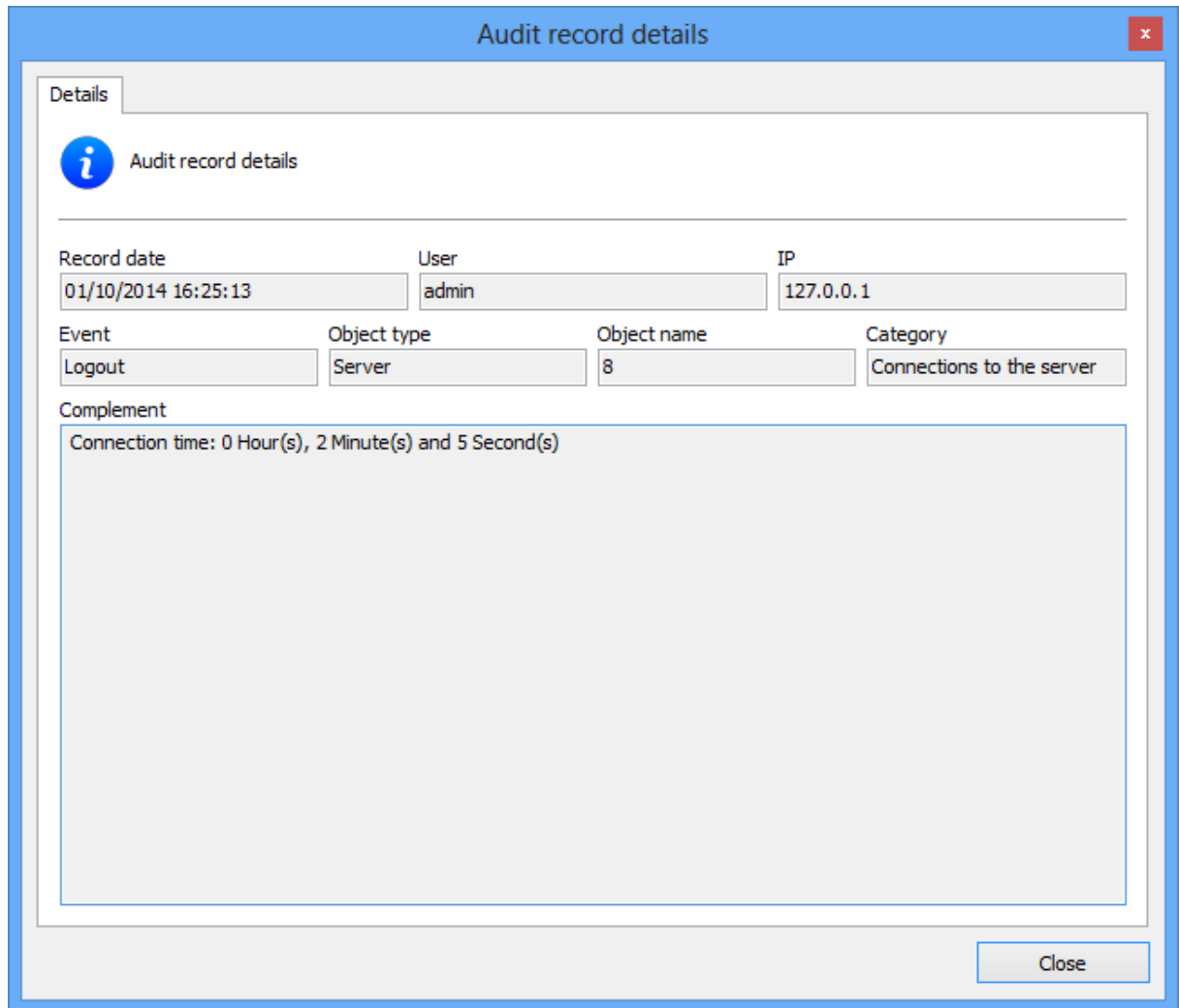
You can now specify a range of initial and final date for searching audit records:



### 2.1.12.7.2 Details of audit records

The system now provides a screen for better visualization of details from an audit record.

To view a record details, just double click on it and its details will be displayed in a separated form:



The screenshot shows a window titled "Audit record details" with a close button (X) in the top right corner. Inside the window, there is a tab labeled "Details" and an information icon (i) next to the title "Audit record details". Below this, there are several input fields arranged in a grid:

Record date	User	IP
01/10/2014 16:25:13	admin	127.0.0.1

Event	Object type	Object name	Category
Logout	Server	8	Connections to the server

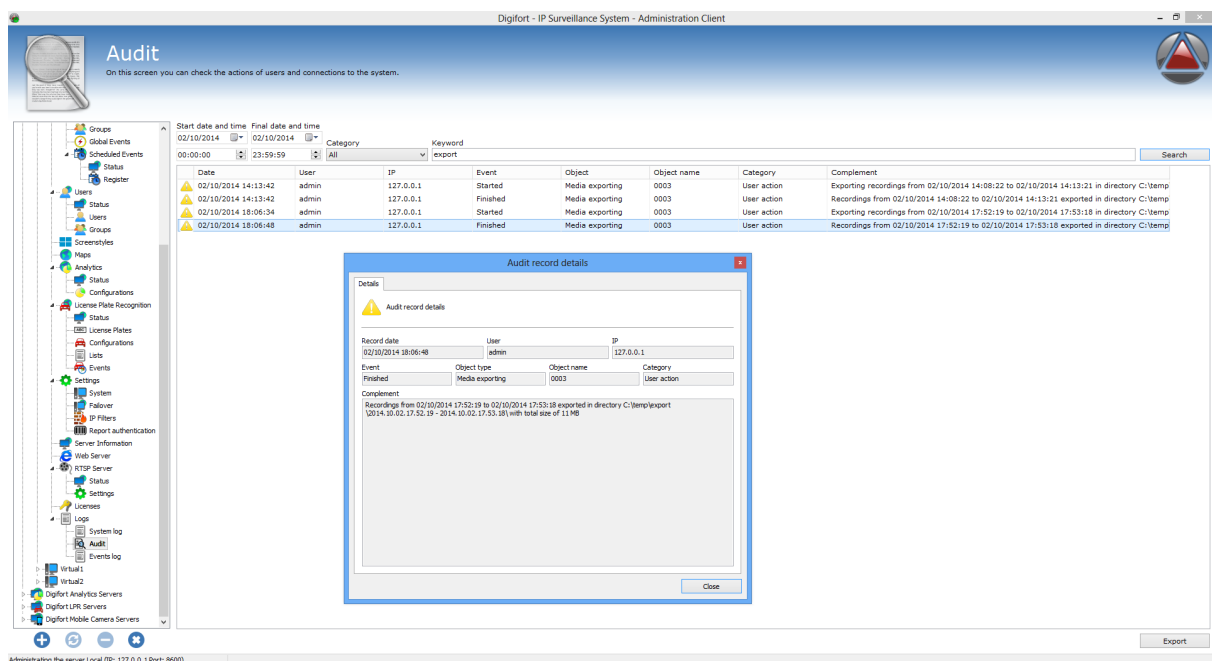
Below the grid, there is a section labeled "Complement" with a text area containing the text: "Connection time: 0 Hour(s), 2 Minute(s) and 5 Second(s)". At the bottom right of the window, there is a "Close" button.

#### 2.1.12.7.3 Audit for media exporting

All media exporting will now be registered in the system audit logs.

The system will register start and end of an exporting and will provide information such as exported time period, exporting folder where the files were saved and total size of exporting:



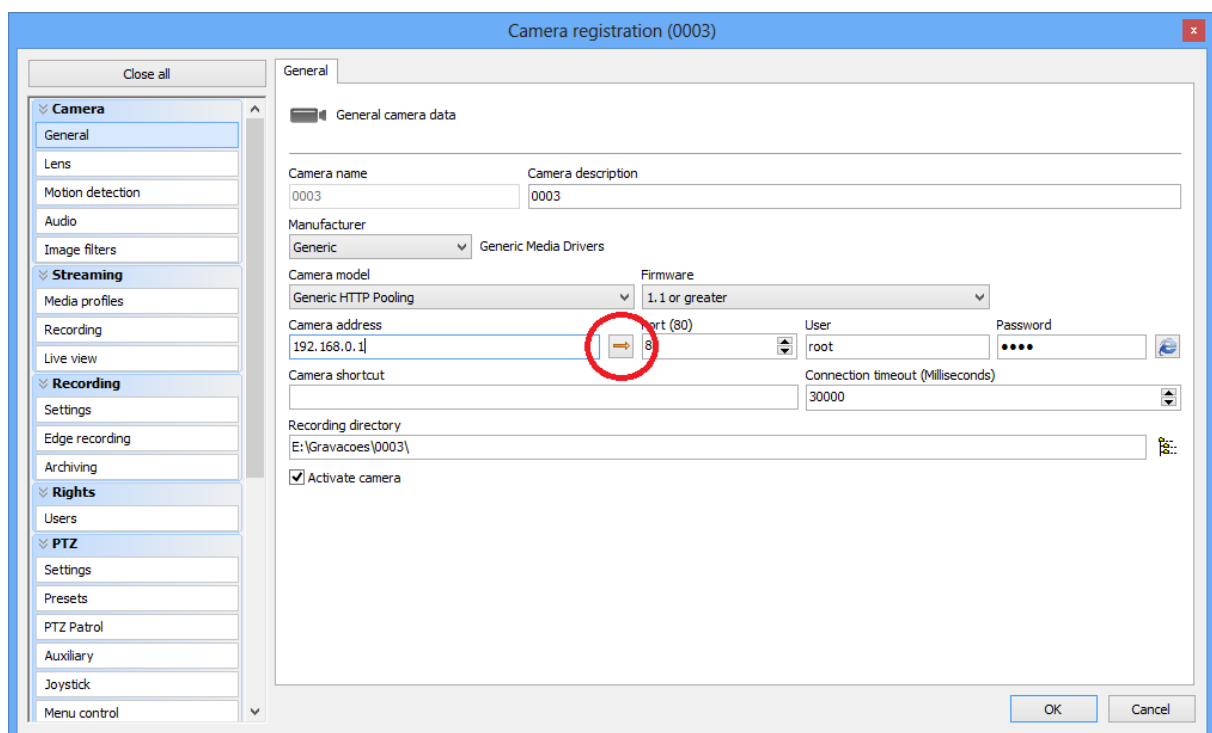


#### 2.1.12.7.4 Better audit for connections

The audit records for server connections were improved. The system will no longer register superfluous connections (TCP connections for camera viewing) and will now provide details on connection and disconnection from clients.

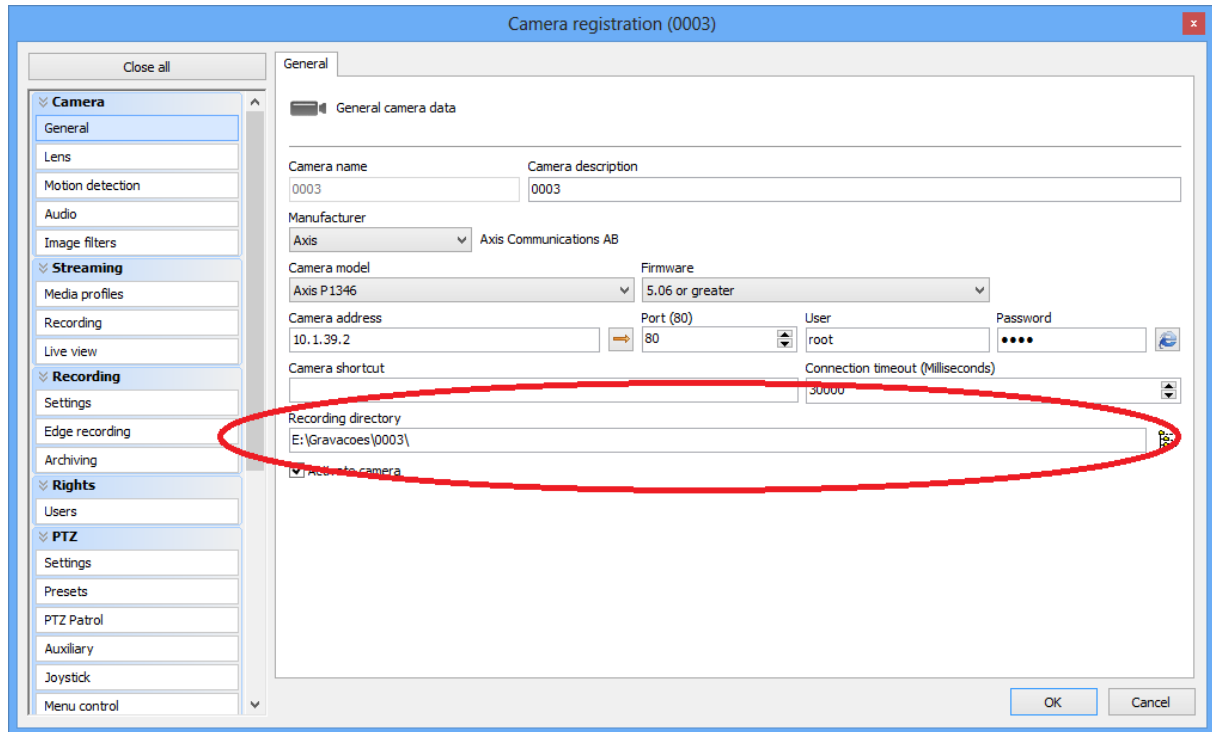
#### 2.1.12.8 Ping cameras from registration screen

The camera registration screen now has a ping button to assist the installation of a camera:



### 2.1.12.9 Recording path field improvement

The recording path field in the camera settings is now open for being edited and modified manually, without the need to select it through the remote folder selection tool:

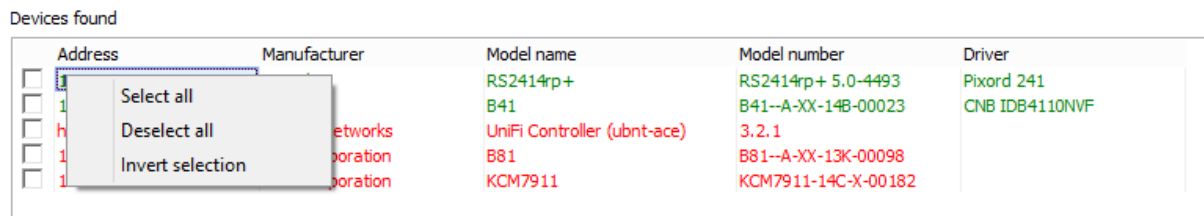


### 2.1.12.10 User rights simplification

The list of user rights was simplified, many rights that previously existed were grouped into single rights, easing the administration and configuration of the system.

### 2.1.12.11 Device finder improvements

The network device finder tool will now have a context menu to allow the selection of all found devices for registration:



The user can also sort the results by clicking on the desired column

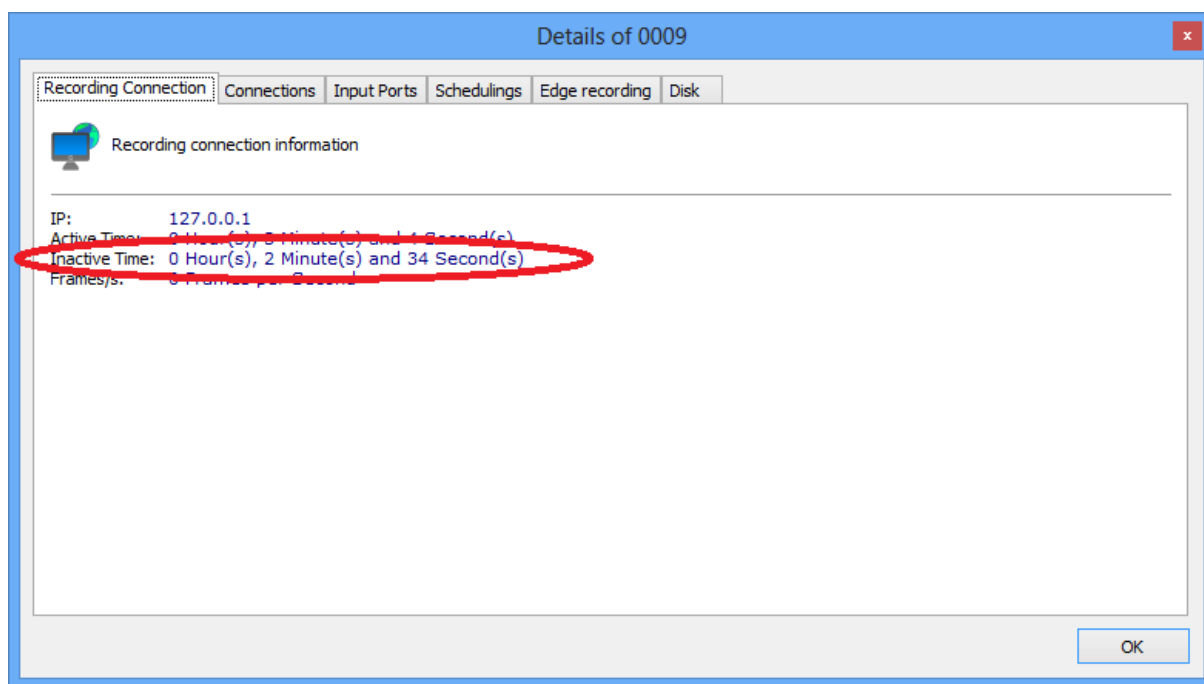
### 2.1.12.12 Improvements for periodic server report

The periodic server report sent by e-mail was improved for:

- Informing the server IP address in the e-mail title
- Informing the status of the server in the report

### 2.1.12.13 Better detection of device inactivity

The detection of inactivity time of devices (Cameras and alarm devices) was improved, the system will now show the total inactivity time for the device. Previously this value was reset whenever the communication driver tried to reestablish the connection to the device, showing a non-realistic value.



### 2.1.12.14 Automatically block user account by invalid login

The system now allows the automatic blockage of user account upon invalid password login tries:

**User registration**

Ownership identification | Groups view | Rights View

Account | Biopass | Rights | Client Features | Policies

User account

User: eric | Password: | Confirm: |

User Description: |

Login times | Login IPs

☒ Block account after login attempts with wrong password

Login attempts: 3

User type

☒ Digifort user

☐ Active Directory user

User account options:

☐ Account blocked

☐ User cannot change password

Account expiration

☒ Never

☐ Expires on: quarta-feira, 1 de outubro de 2014

Authentication method

☒ Username and password

☐ Biopass

☐ Username and password or Biopass

☐ Username and password + Biopass

OK Cancel

#### 2.1.12.15 User account blocking and expiration for Active Directory users

The system now allows account blocking and expiration for Active Directory imported users.

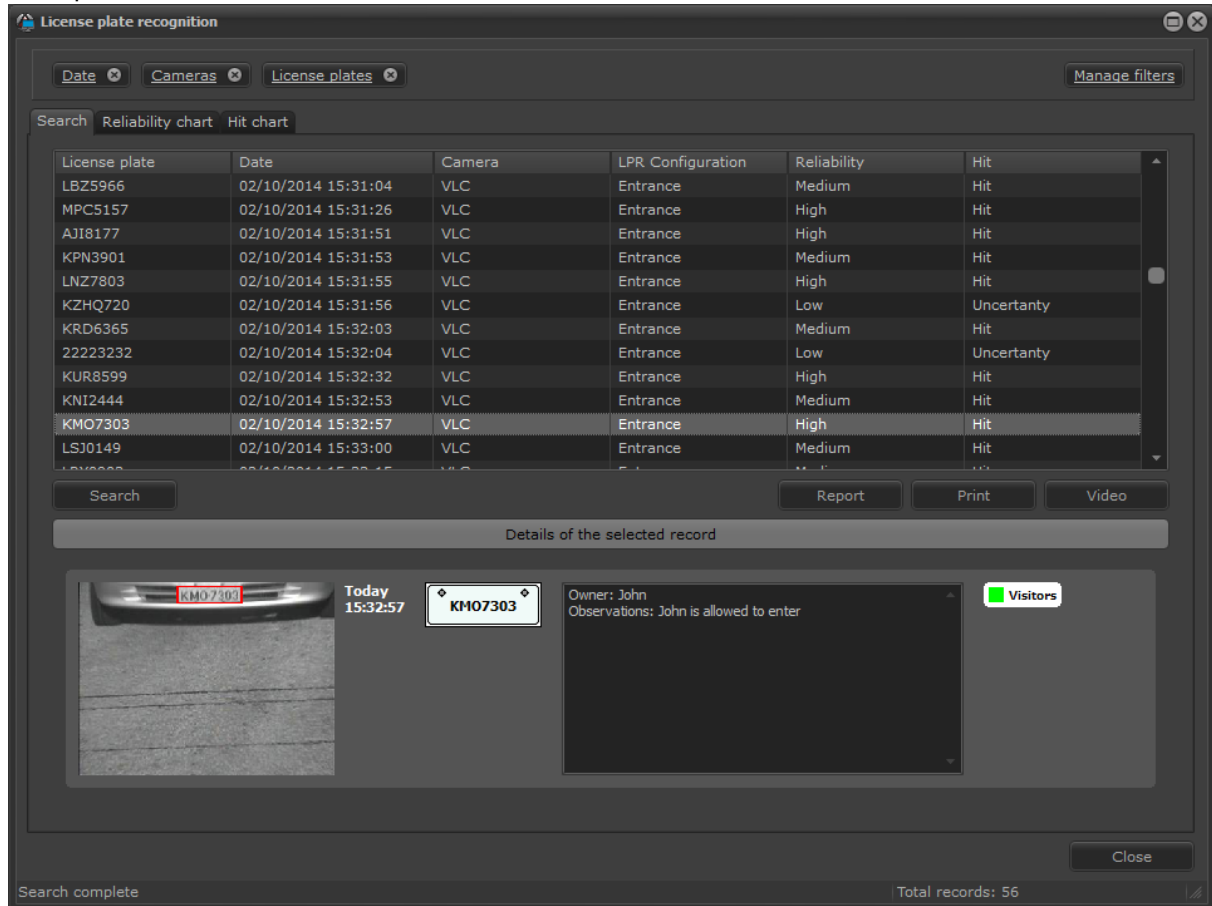
## 2.1.13 New operational features and improvements

### 2.1.13.1 New search screens

The record search screens in surveillance client received a major update in its design.

The new search screens for analytics, LPR and events are now more intuitive and has a new way to manage the filters by way of a top bar of filters.

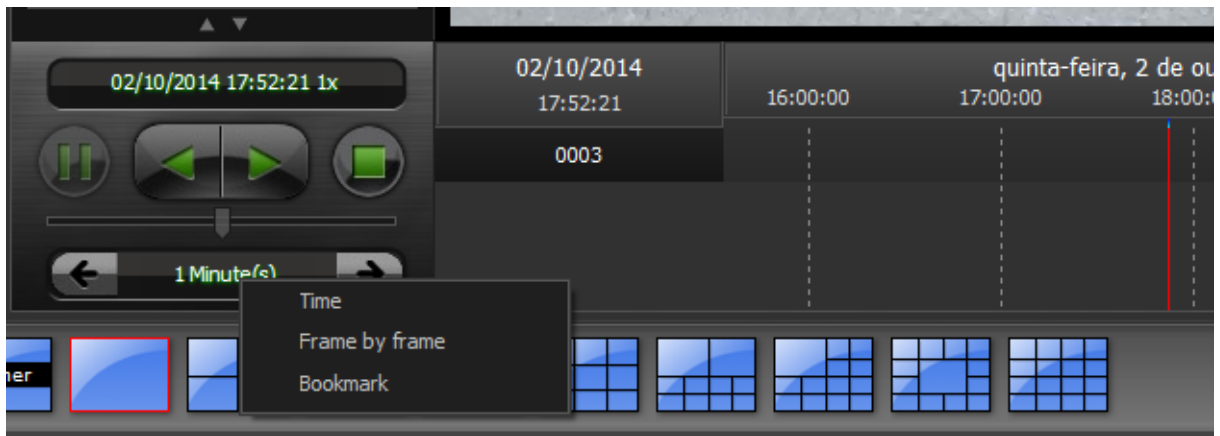
Example: LPR records search screen



### 2.1.13.2 New options to jump the video in playback

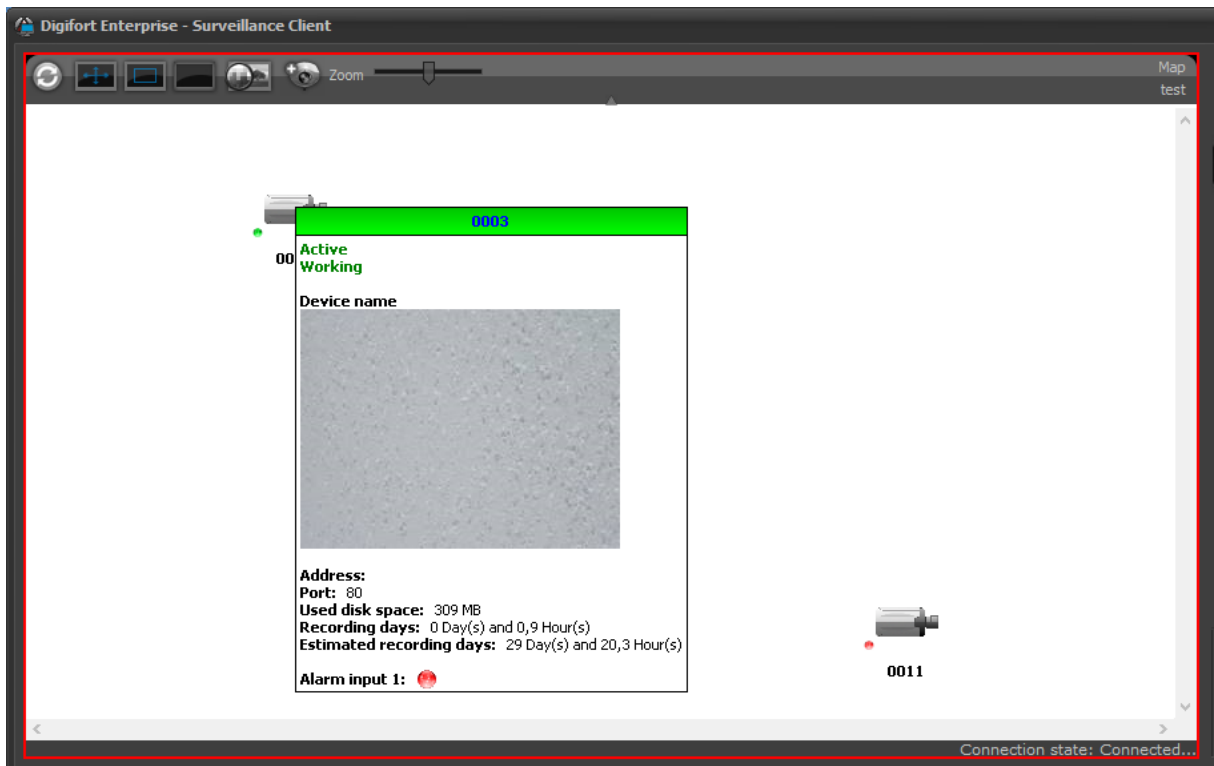
The media player now allows more options for jumping the video:

- Jump by time: Existing option, jump the video by the X amount of time
- Frame by frame: Allows frame by frame playback, jumping to next or prior frame (Video must be paused)
- Bookmark: Jump to next or prior bookmark



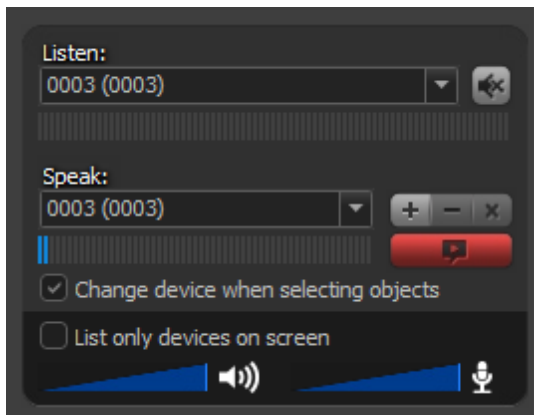
### 2.1.13.3 Preview of cameras in maps

Added a new feature to provide a preview of cameras inside synoptic maps. To view the camera preview just keep the mouse over the camera and the preview will be appear next to the camera information:



### 2.1.13.4 New audio output control

The audio output control, in surveillance client, now allows the uninterrupted sending of audio by double clicking on the speak button:

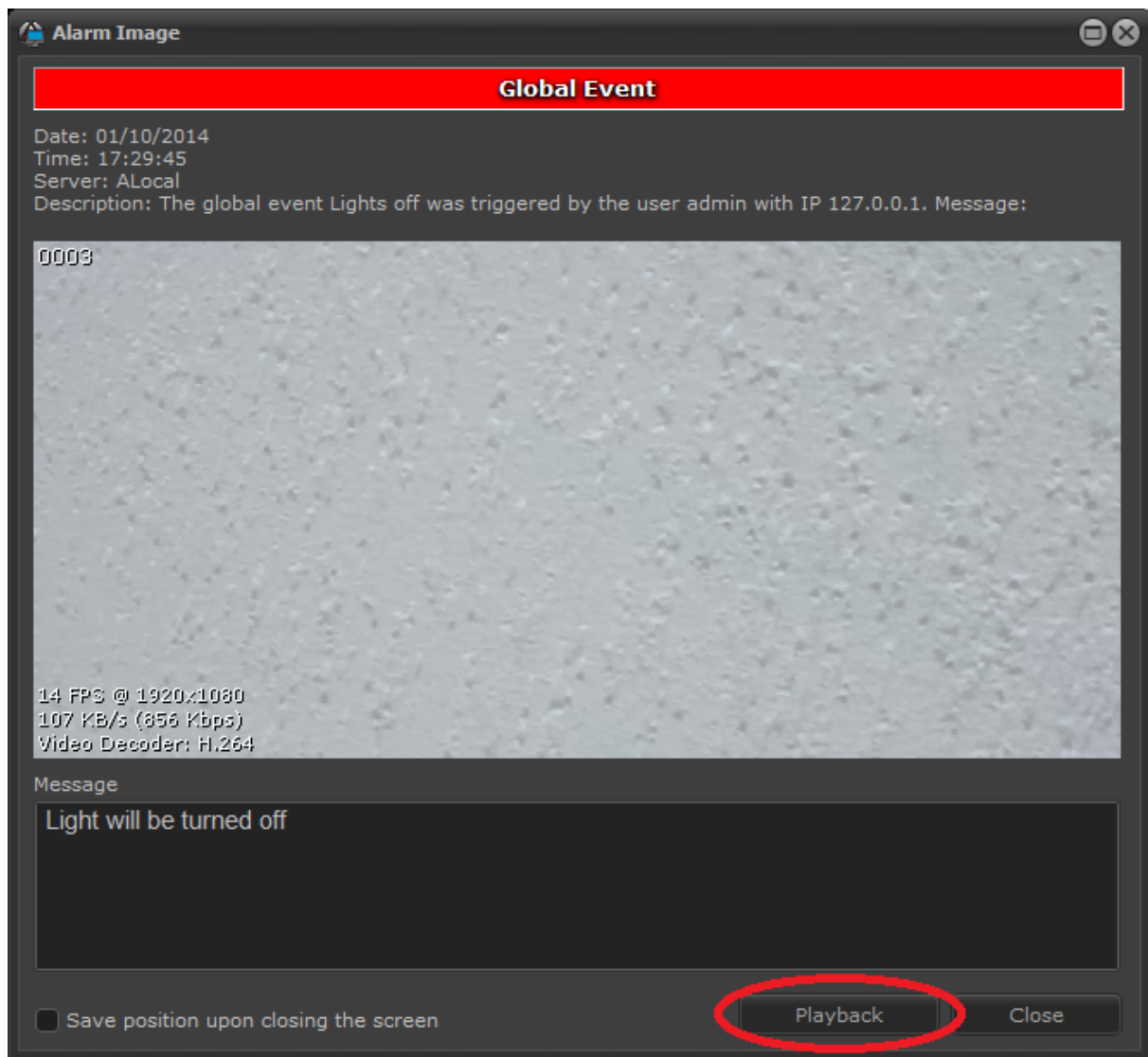


The button will turn red, indicating that the system is now sending audio to the selected device or group.

### 2.1.13.5 Alarm popup

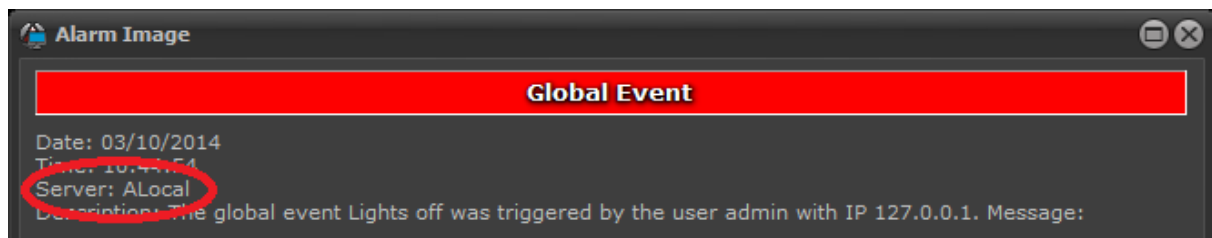
#### 2.1.13.5.1 Fast playback on alarm popup

The alarm popup from surveillance client now allows fast video playback from the event by just clicking the Playback button



#### 2.1.13.5.2 New information in alarm popup

The name of the server generating the alarm will also be displayed in the popup:

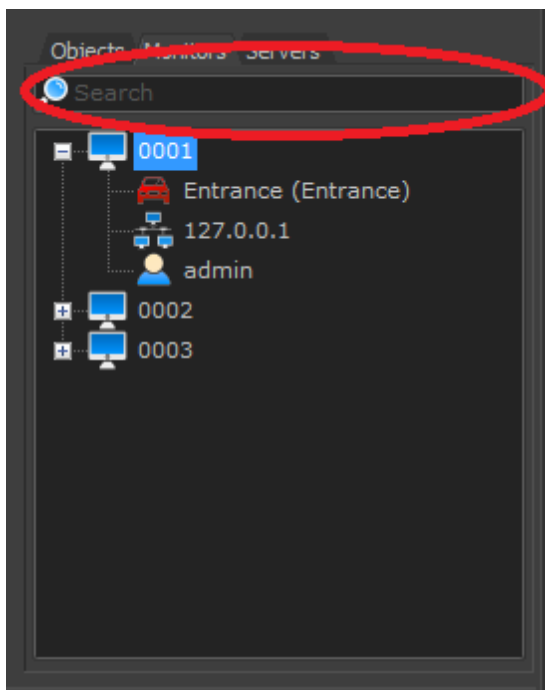


#### 2.1.13.6 Monitor and Server filtering

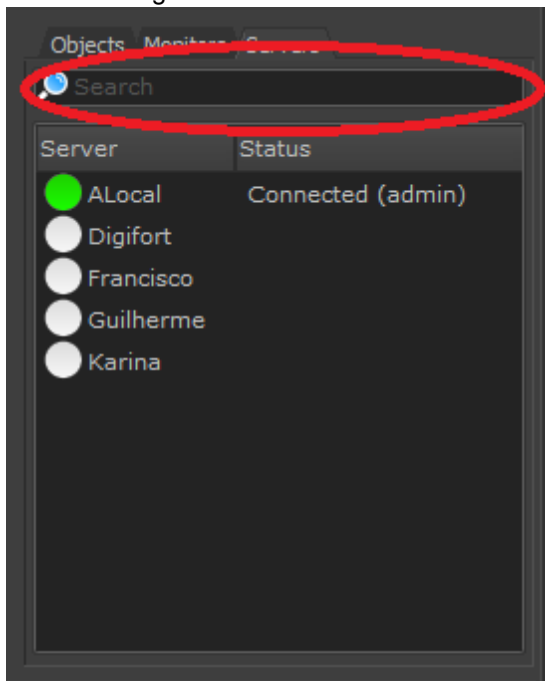
The surveillance client now allows filtering the list of monitors and servers, as it already allowed the filtering of objects from objects list:

Monitor filtering:



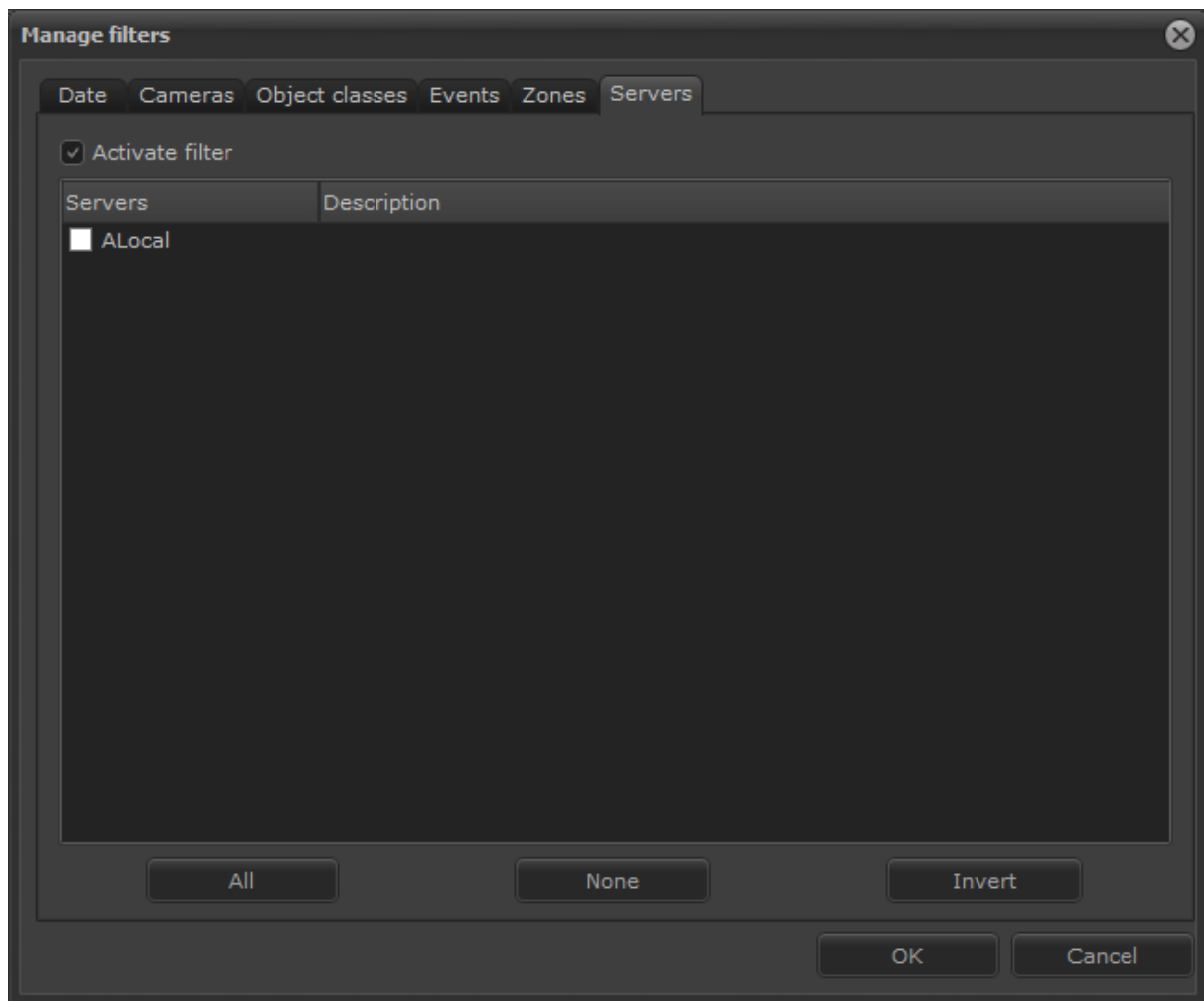


Server filtering:



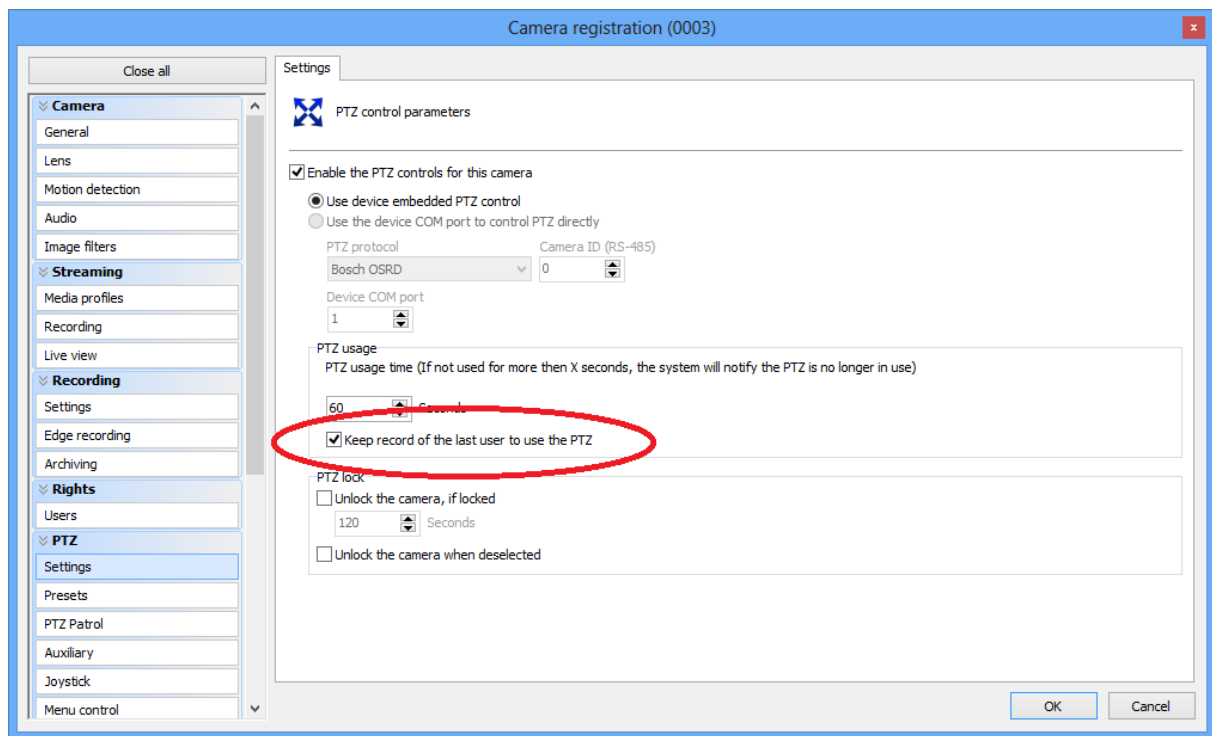
#### 2.1.13.7 Server filter in search screens

A new filter was added to all search screens of surveillance client (LPR, Analytics, Event and Bookmark records). This new filter will allow the system to perform the search only for the selected servers (In case the client is connected to multiple servers):

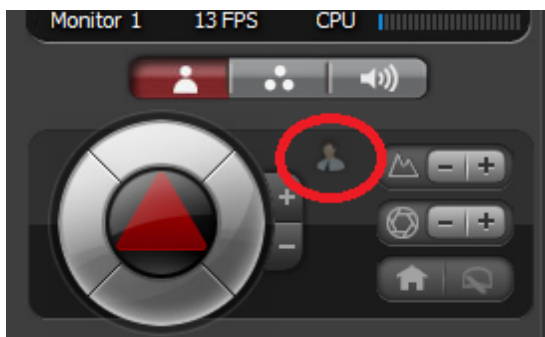


#### 2.1.13.8 PTZ usage information

The system now shows, in surveillance client, the record of the last user that has moved a camera using PTZ controls.

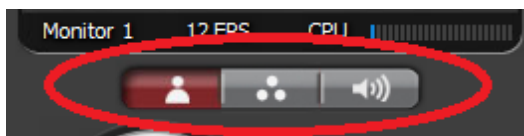


The icon of PTZ usage in surveillance client controls will become semi-transparent, indicating that there is nobody else using the controls and will inform the username and the IP of the station used to move the camera. To get that information the operator just have to hold the mouse pointer over the icon.



### 2.1.13.9 Remember the last selected option

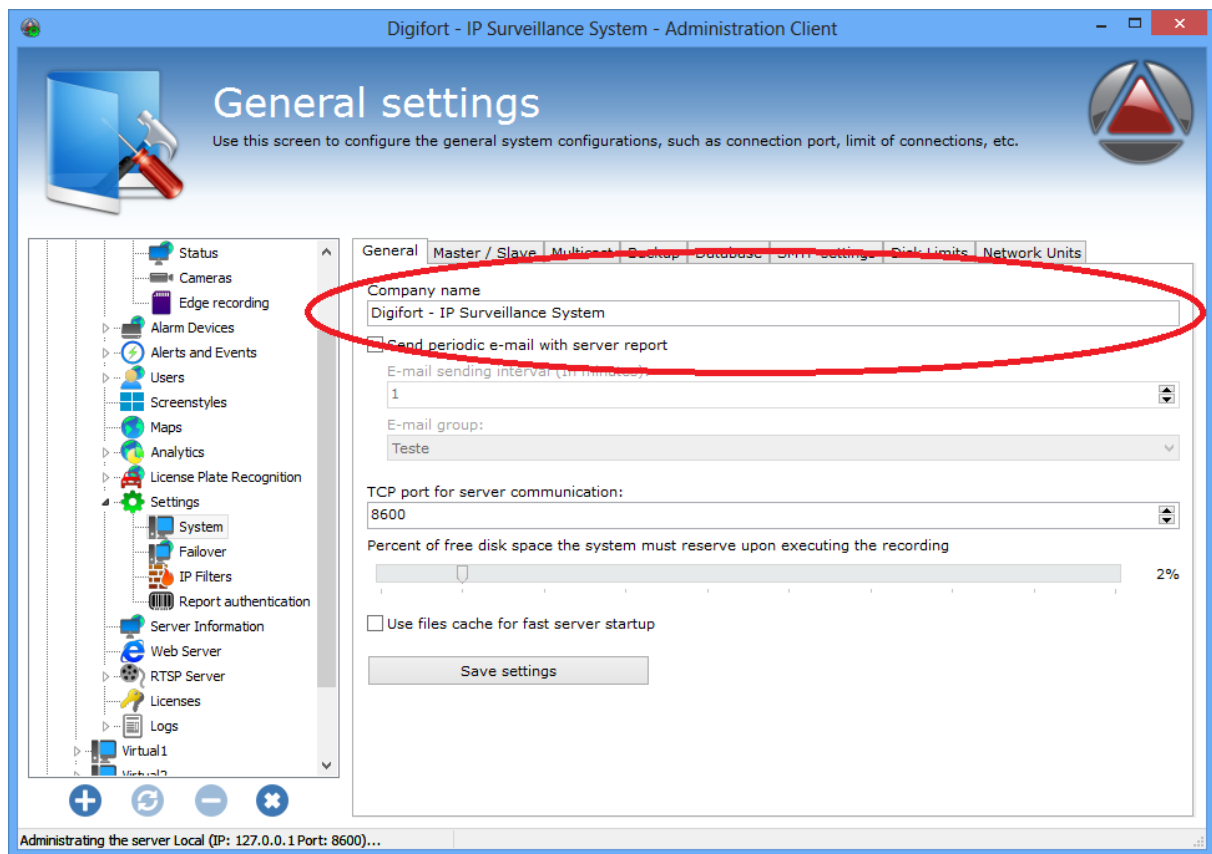
The surveillance client will not remember the last selected option in the tool bar (Independent for each motion) since the last time the system was used:



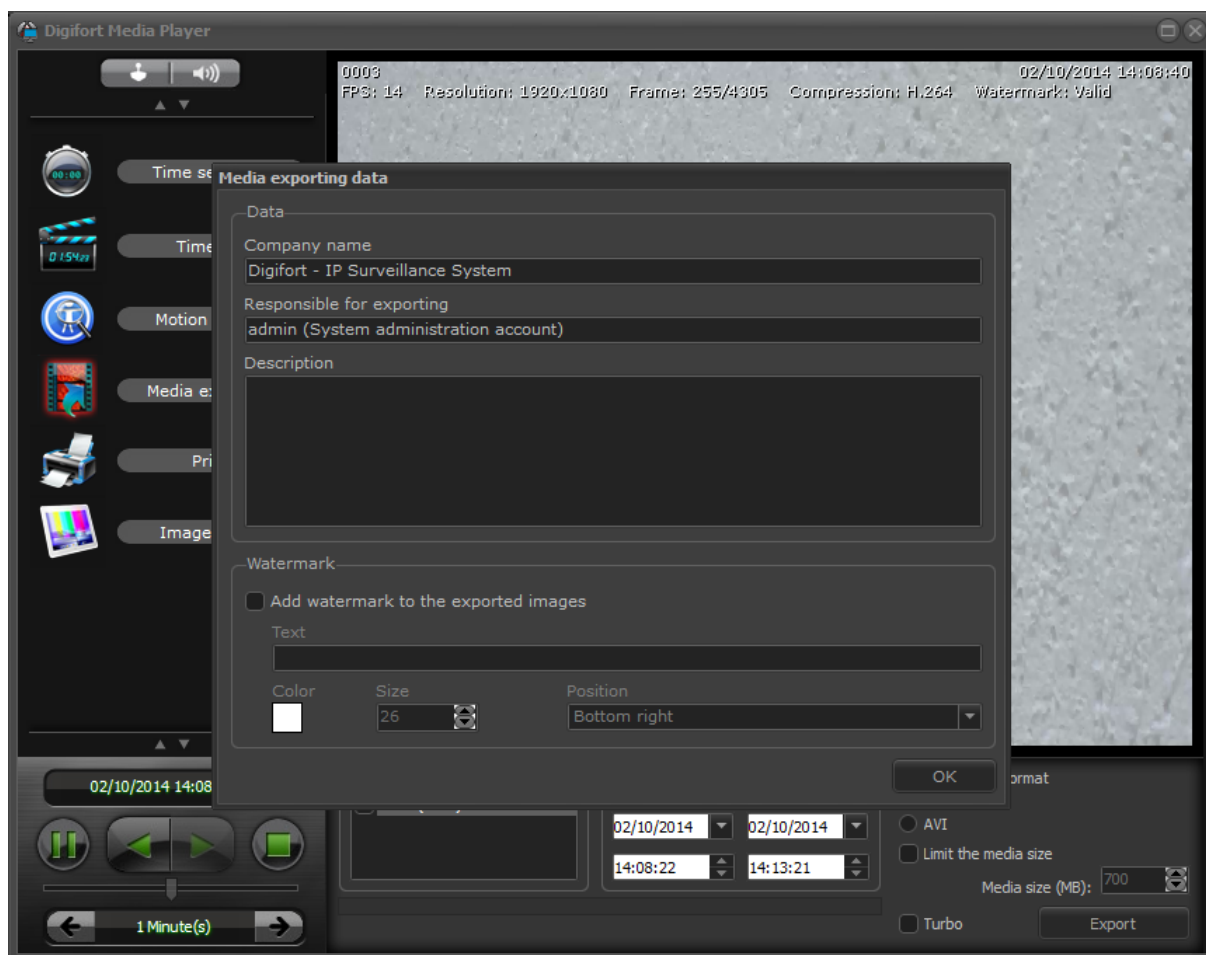
### 2.1.13.10 Auto-fill data in the exporting

Now in the video exporting, the company name and the operator name will be auto-filled by the system.

The company name must be pre-configured in the system through administration client:



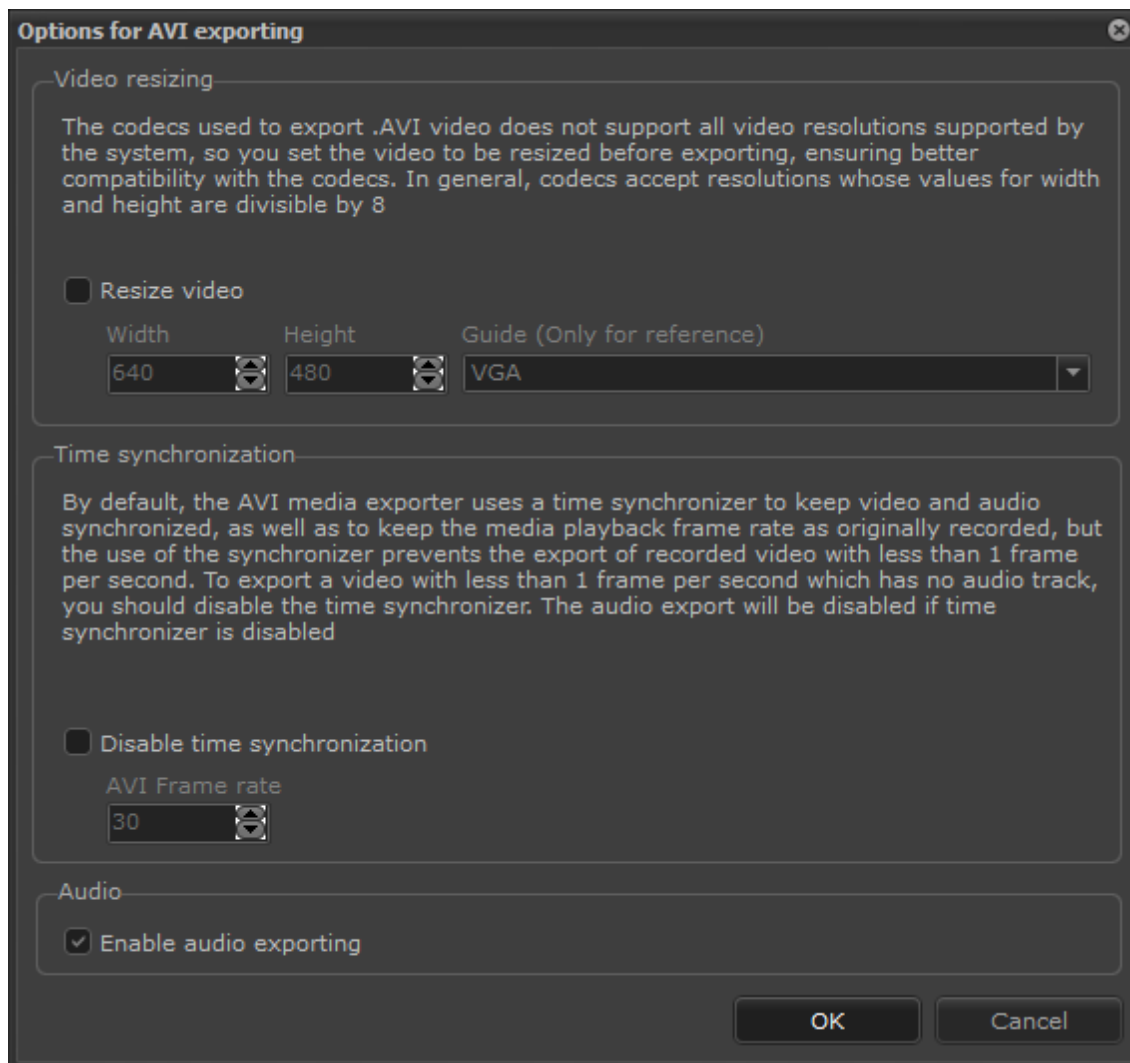
The exporting info will be auto-filled, speeding up the operation:



### 2.1.13.11 New options for AVI Exporting

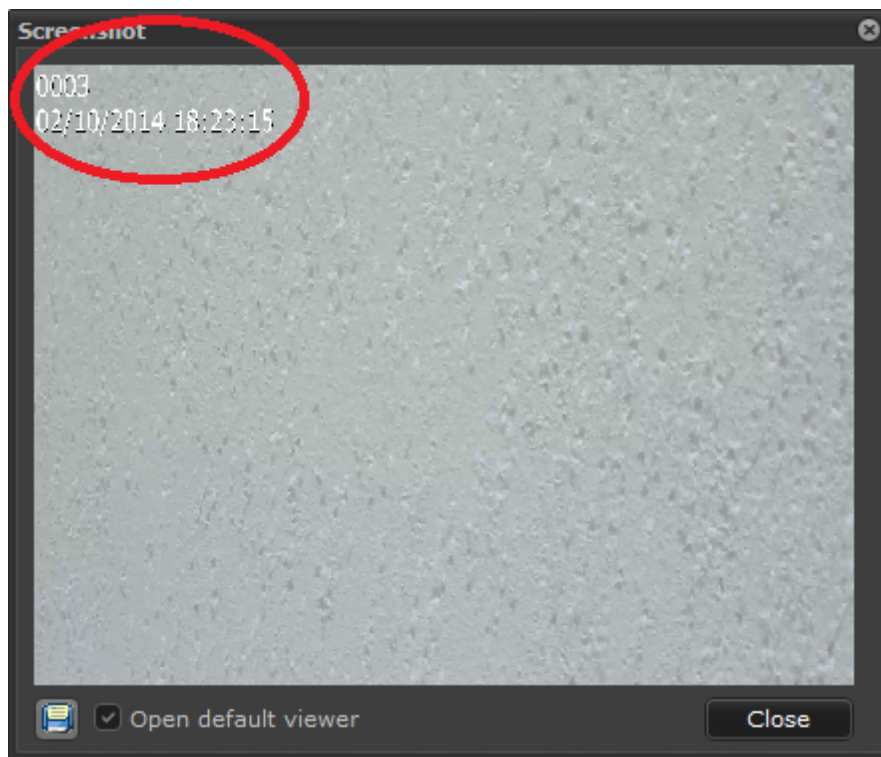
The system now provides a few new options for AVI exporting:

- Activate / Deactivate time synchronization
- Activate / Deactivate audio exporting



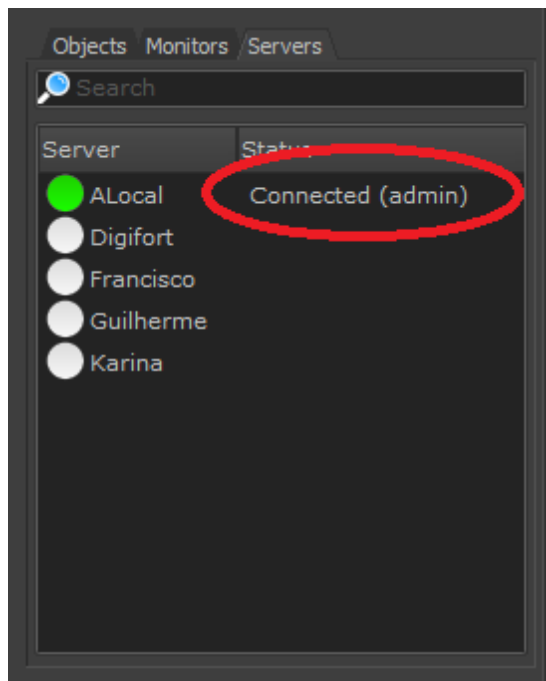
#### 2.1.13.12 Information layer on exported images

The information such as camera and date / time of an image will now be rescaled according to the image resolution. Previously the size of that information was fixed, which hindered its view in high resolution images:



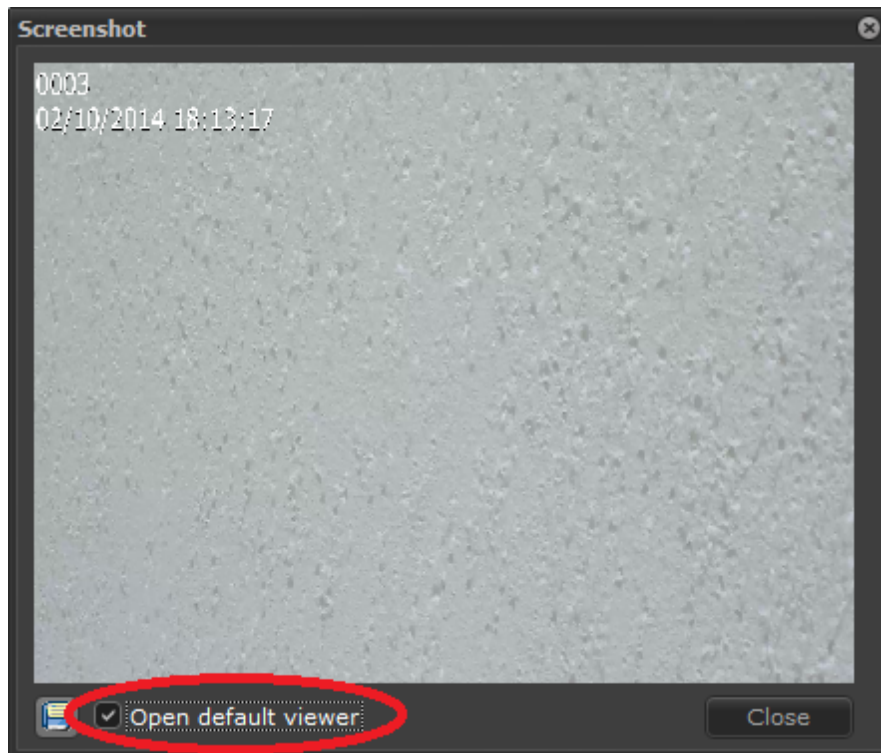
#### 2.1.13.13 Show logged user in the client

The surveillance client will now show the name of the user that is connected to each server, in the Server tab:



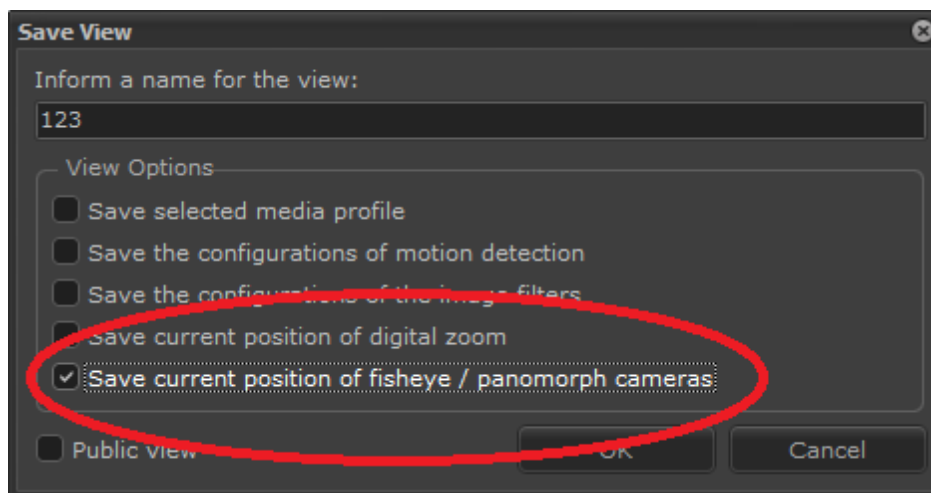
#### 2.1.13.14 Automatically open the default viewer when saving snapshots

The system will now automatically open the default image viewer when saving snapshots using the surveillance client:



#### 2.1.13.15 Save current position for fisheye / panomorph lenses

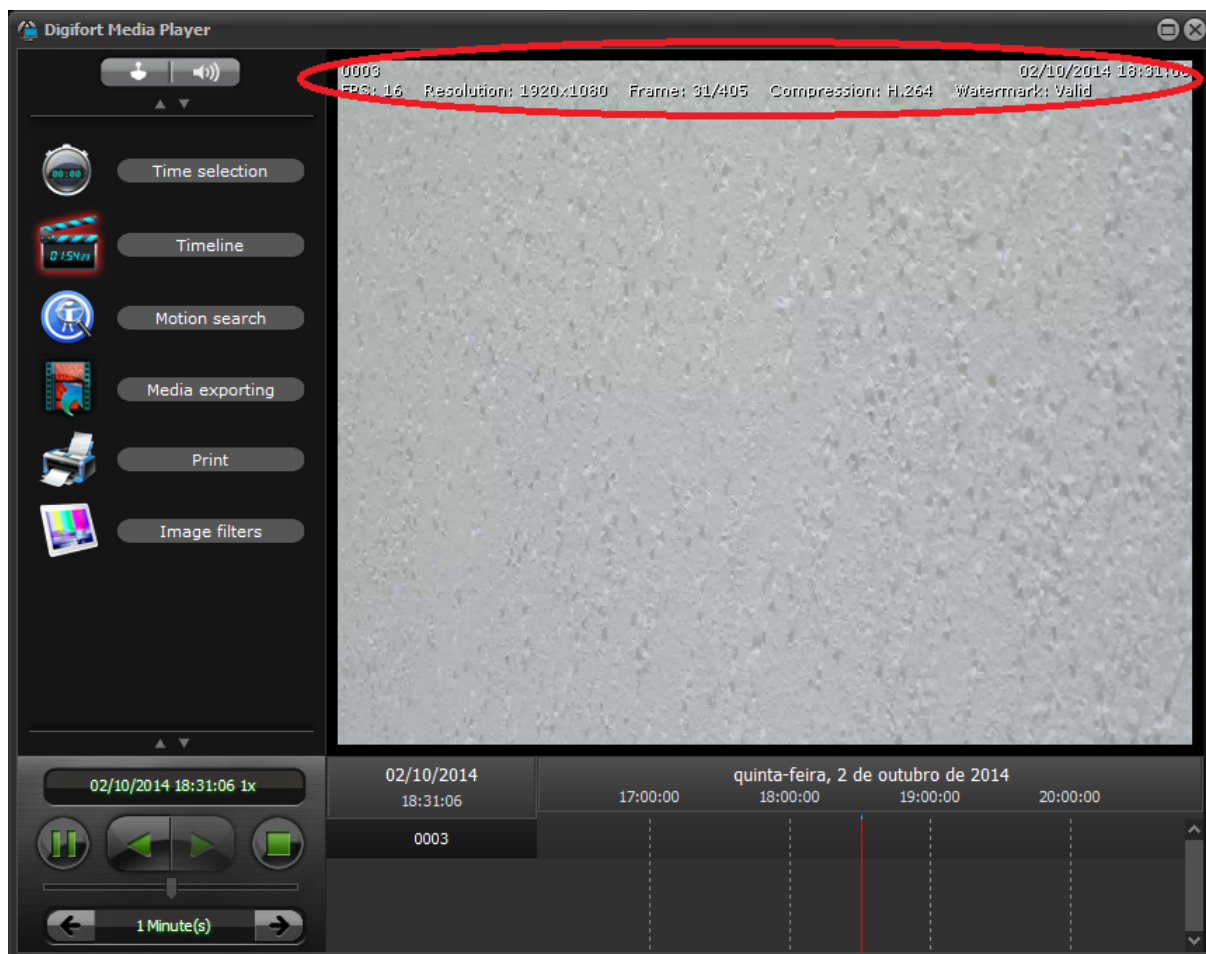
The system now allows saving the current position of fisheye / panomorph dewarping in the views:



#### 2.1.13.16 Overlay in video playback

The media player will now allow the overlay title bar (Black bar) to be hidden if the configuration to not show the camera title is activated in surveillance client settings. This allows the viewing of the areas that would otherwise be covered by the title bar:



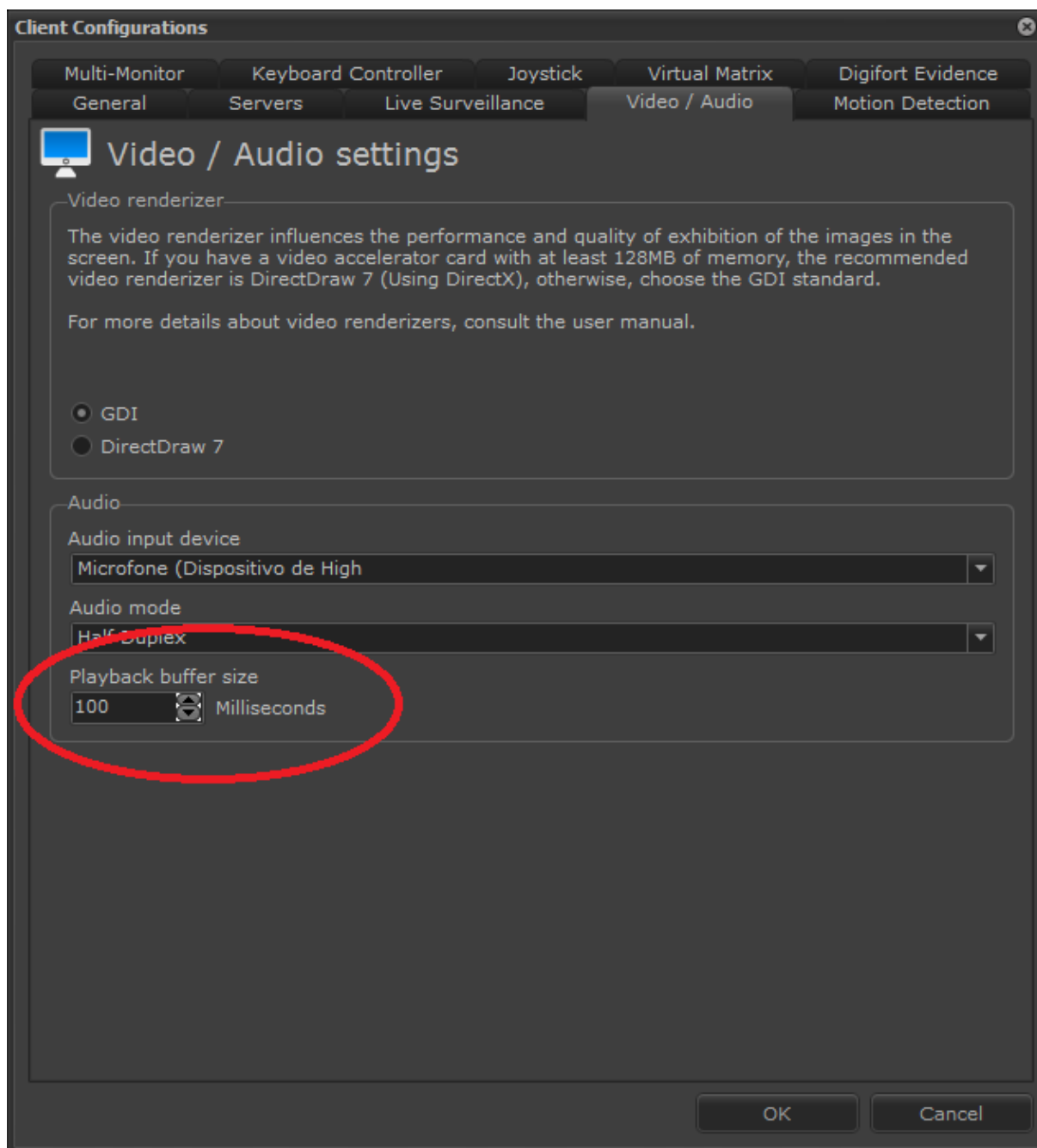


#### 2.1.13.17 Events playback

In the surveillance client it is now possible to request the recordings of an event through the search screens for analytics, LPR, events and through the event popup window. The video playback will now start in the exact moment of the event (Previously the system had a configuration of X seconds prior and after the event) and it will open the media session with up to 1 hour of video before the event.

#### 2.1.13.18 Audio playback buffer size settings

For surveillance client to playback audio from cameras (Live or playback), an internal buffer is used to provide a continuous and clean playback. The size of this buffer is now configurable in surveillance client settings:



A bigger value will avoid audio breaks in case network connection is not stable, however it will add a slight desynchronization of audio and video.

#### 2.1.13.19 Improvements on virtual matrix with Digifort Keyboard

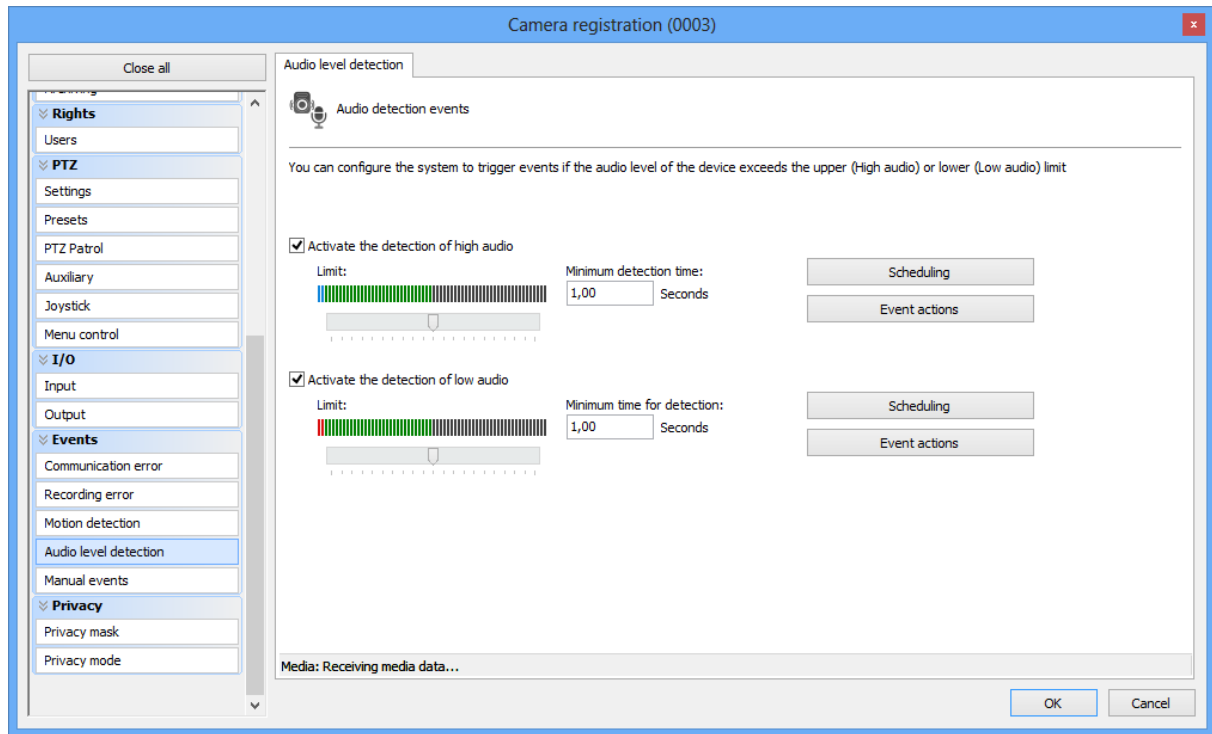
Digifort Keyboard DGF-KB1000 lets you send cameras to the virtual matrix but the name of the monitors should be only numeric not containing leading zeroes (E.g.: "001", "002") because the keyboard will ignore them and will not find the monitor.

An improvement was made to allow naming the monitors with leading zeroes and the size of the input field for monitor number in the keyboard was increased from 3 to 9 digits.

## 2.1.14 Events and actions

### 2.1.14.1 Audio level detection

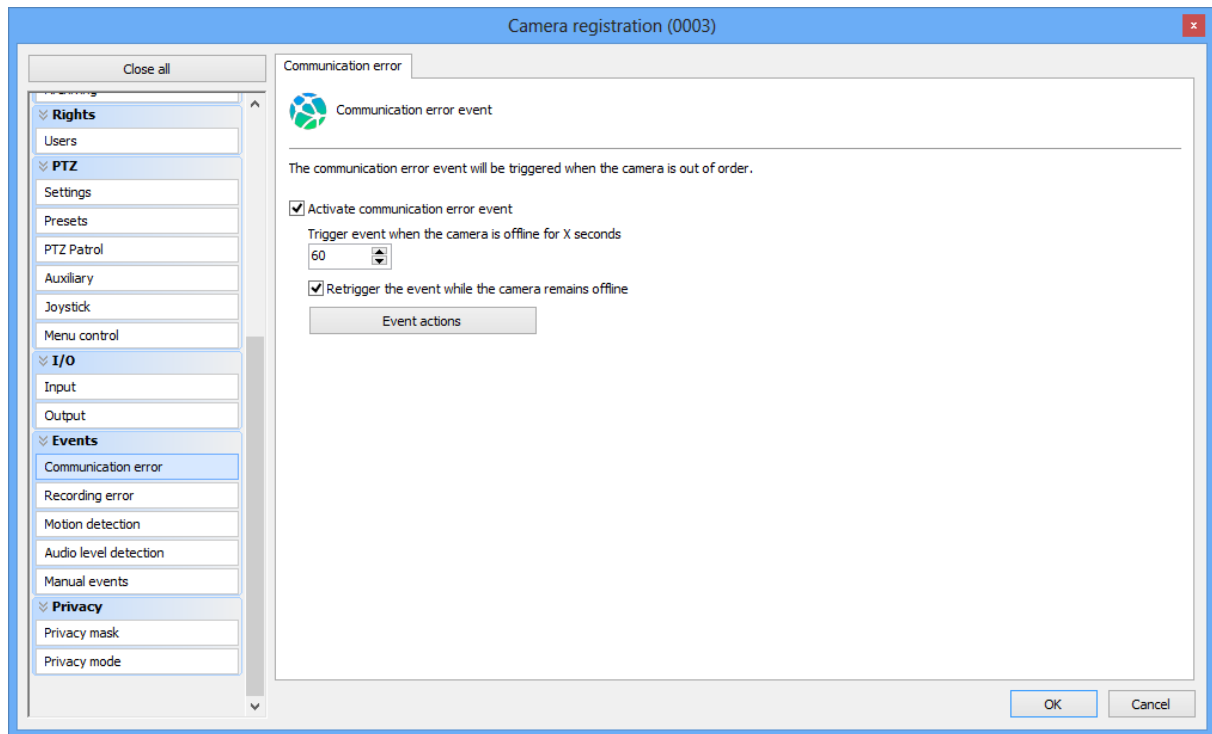
The system can now analyse the audio level of a camera and trigger events in case the audio level is over or below a specified limit by for a minimum amount of time::



### 2.1.14.2 Improvements for communication failure event

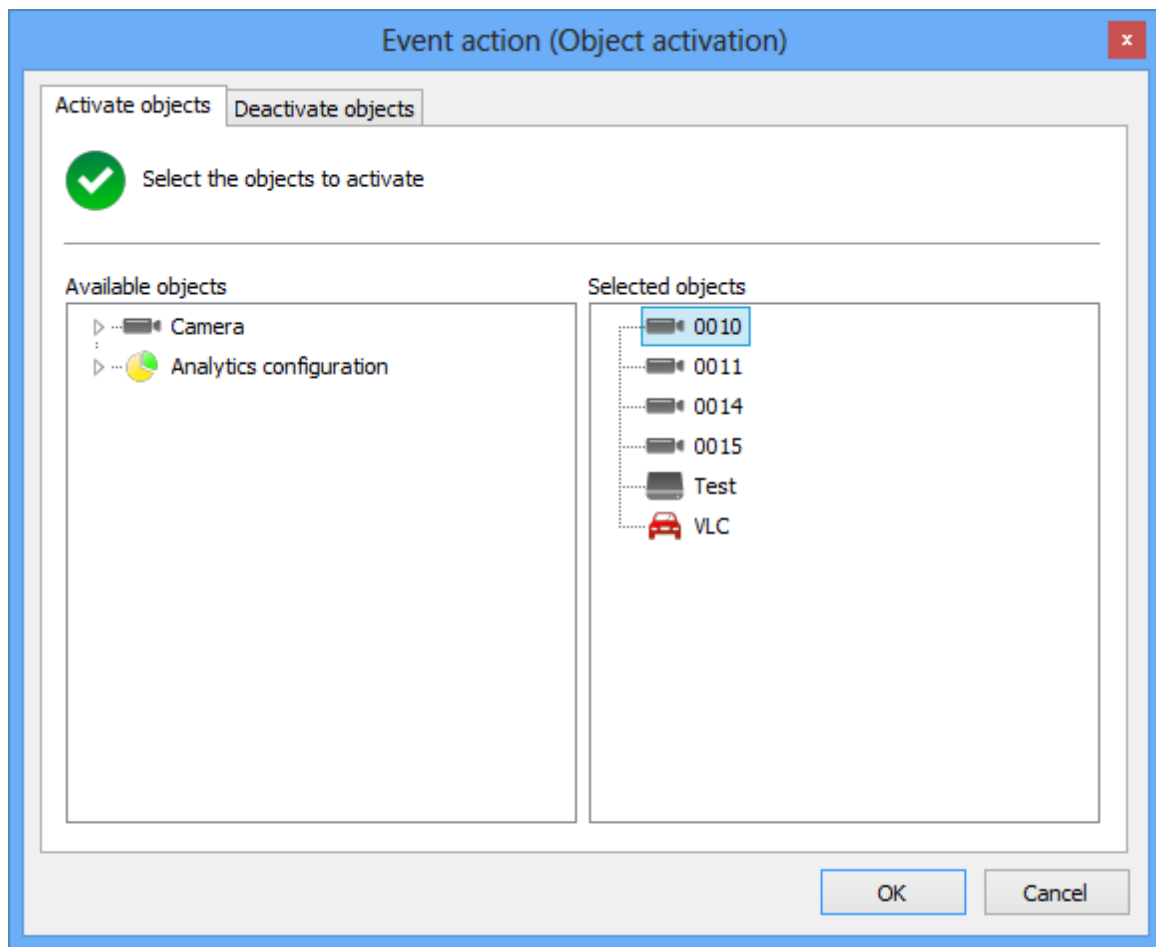
The detection mechanism of communication failure has been changed. Previously the system checked every X seconds if the device was in operation and in case of failure an event was generated, however this method of verification proved not very suitable since the event could be generated at any time.

The new verification method of communication failure will check how long the device is out of order, so the system will only generate the event of communication failure if the device remains out of order for more than X seconds. The system also provides the option to continue generating the event every X seconds while the device is offline, if the option is disabled, the system will generate the event only once.



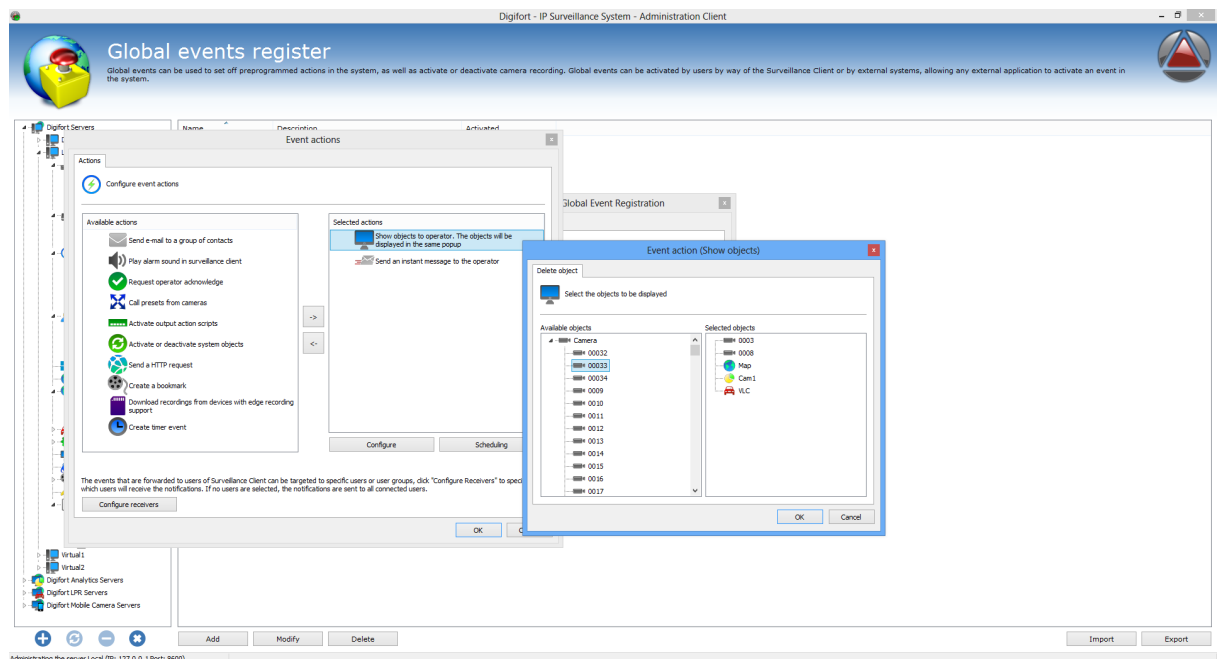
#### 2.1.14.3 Event action to activate or deactivate objects

Added a new event action to activate and/or deactivate objects allowing a better control over the system objects. The object types that can be activated and deactivated by this action are: Cameras, Alarm Devices, LPR Configurations and Analytics Configurations.



#### 2.1.14.4 Show objects on events

In the occurrence of events, the system now allows displaying different types of objects (Cameras, Maps, LPR Configuration, Analytics Configuration) in the alarm popup in surveillance client. Previously the system would only allow showing live cameras in the alarm popup:



### 2.1.15 Audio archiving

The archiving system will now archive audio as well

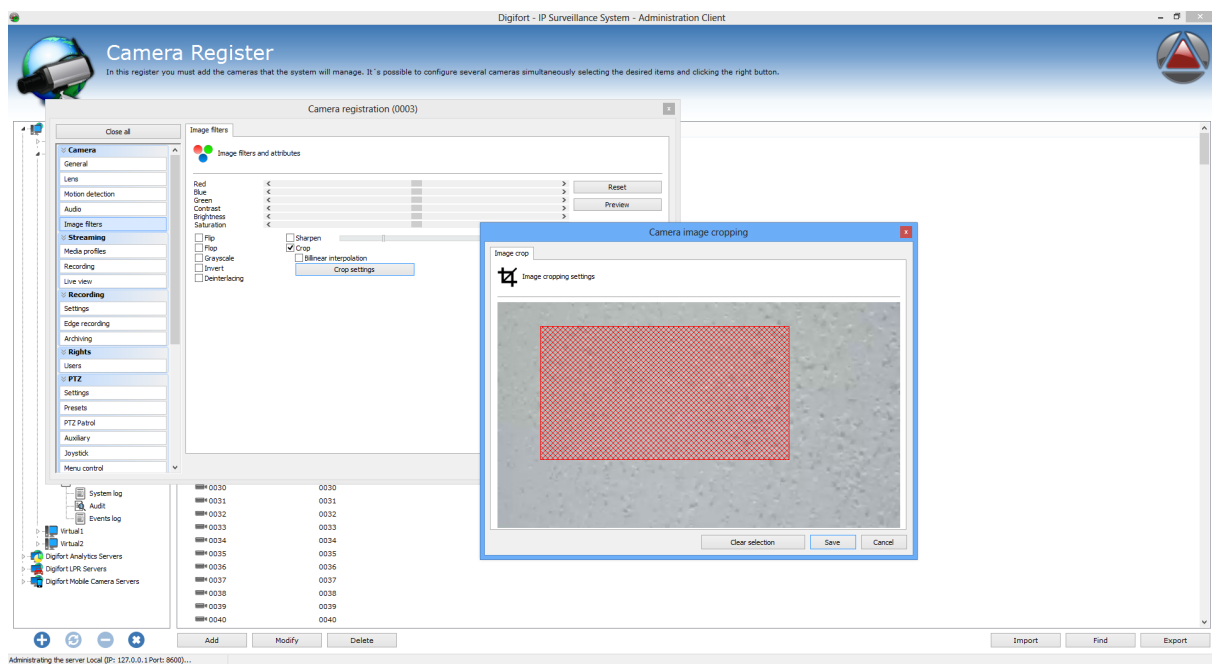
### 2.1.16 Fisheye cameras

Added native support of dewarping for some camera manufacturers:

- ACTi
- Axis
- Oncam
- Samsung
- Vivotek

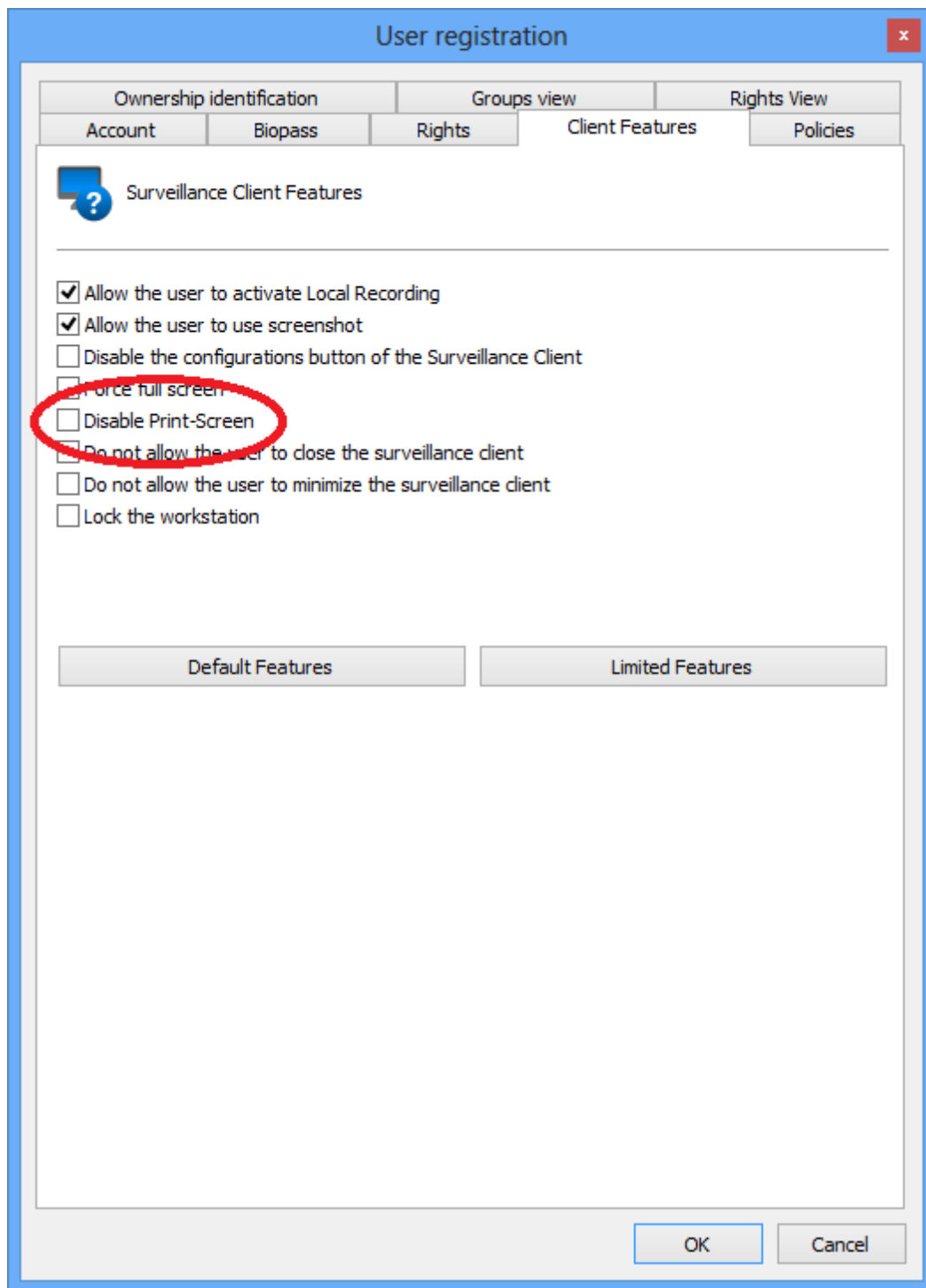
### 2.1.17 Image cropping

The system now provides a feature to crop the camera image. By using this feature, the system administrator can select an area of the image that he wishes to keep visible for the users:



### 2.1.18 Disable Print-Screen

Added a new client feature to system users that allows the deactivation of the local Print-Screen button from surveillance client station of given users:



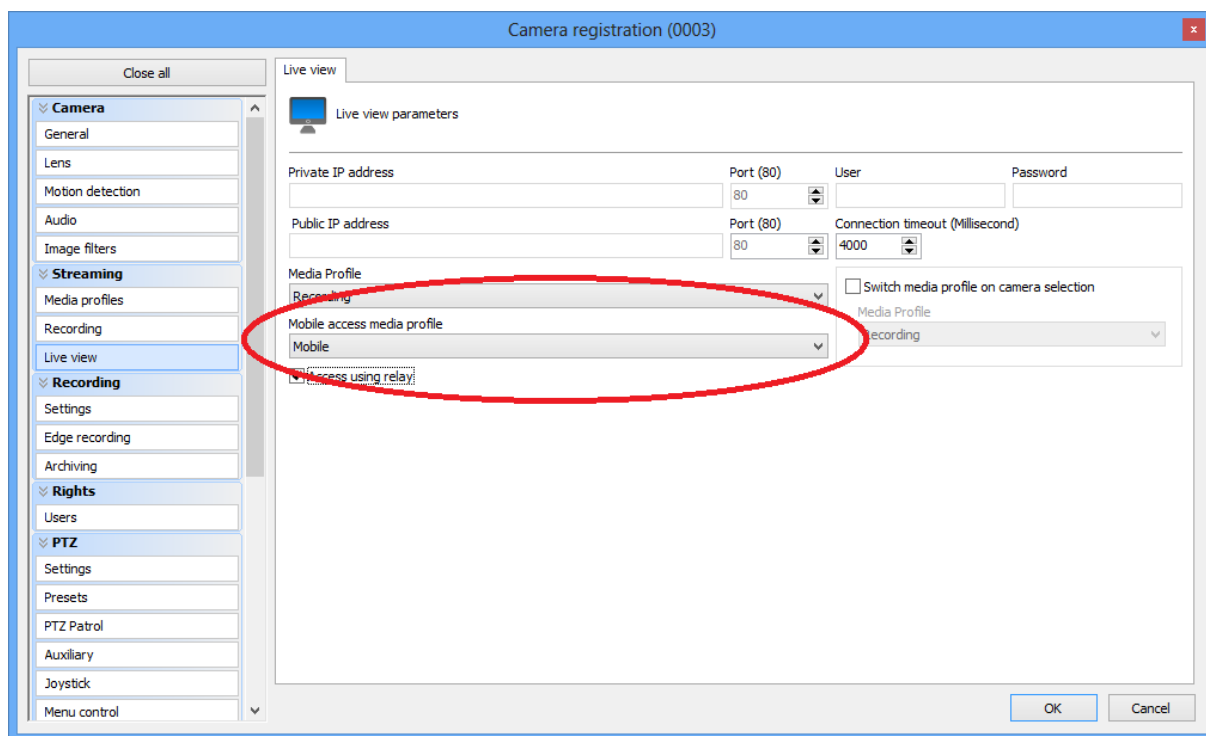
### 2.1.19 Mobile media profile

The system now allows the usage of different media profiles for viewing through mobile devices.

Access via mobile devices generates a processing load on the server because the system need to do transcoding of the video before sending it to the device. If the camera is set to record megapixel images, the transcoding process can be heavy, generating an unwanted processing load to the server. This new

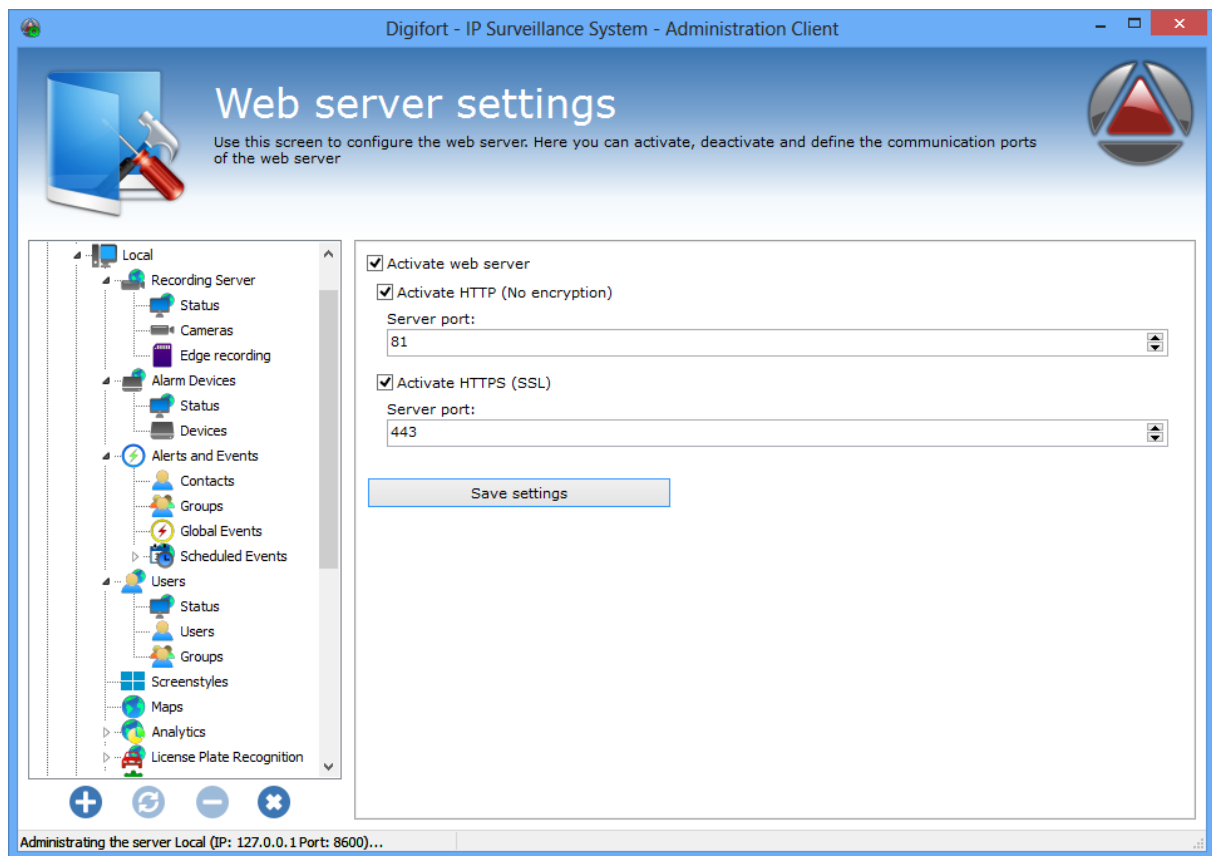


option will allow the administrator to select a media profile with lower resolution to perform transcoding, resulting in a low CPU usage.



### 2.1.20 Support for HTTPS/SSL

The integrated Web Server now has support for HTTPS and SSL:



### 2.1.21 Improvements on recording profile change by motion detection

The feature to automatically change the recording profile by motion detection now uses the size of post alarm buffer to prevent a quick return to original profile when motion ceases

### 2.1.22 Selection of multicast network for relay

The system now allows the selection of a source network for sending images using multicast:

General Master / Slave Multicast Backup Database SMTP settings Disk Limits Network Units

☒ Activate media distribution by Multicast

Multicast address  
225.5.10.1

Multicast type  
1

Source network  
192.168.127.1

☒ Force the usage of Multicast

Save settings

### 2.1.23 Analytics and LPR processing network

For processing analytics or LPR the system no longer requires the network name, instead of using the network name the administrator can specify the IP address of the processing server directly:

**Analytics configuration registration**

General Rights

Analytics configuration registration

Name  
Cam1

Description  
Analytics

Camera  
VLC

☒ Use server processing

Media profile  
Recording

Processing network  
IP: 192.168.0.1

Analytics engine  
☒ Basic  
☐ Advanced

Activation type  
☒ Continuous  
☐ Conditional by preset

☐ Use camera analytics

Analytics configurations

Operation scheduling

☐ Activate

OK Cancel

### 2.1.24 New image formats for maps

The synoptic map will now allow the use of images in many formats: JPEG, WMF, BMP, GIF and PNG.

### 2.1.25 Views are not lost anymore when server ID changes

The views, created by the system operators in surveillance client, stores the position of objects on the screen but these objects are always linked to the ID of the server to which they belong, so if the server ID is changed for some reason (New server, formatting the computer) the position of these objects is lost because the system can no longer locate it. An improvement was made to allow the system to locate

the object by name only if the combination of name + ID is not found so the settings of the view will not be lost anymore, however it may have a little collateral effect where the system can load objects from another server if the client is connected to multiple servers and objects with the same name are registered in more than one server.

### **2.1.26 Encrypted passwords**

- The passwords for alarm devices will now be stored with encryption
- The password for server access, stored in client computers (When using auto-login) will now be stored with encryption

### **2.1.27 Support for automation of the Surveillance Client**

Added support for automating operations of the Surveillance Client through initialization scripts.

This first version will not support many different operations, only the configuration of servers, client options and automated playback.

The Surveillance Client can be opened through a pre-configured script file and will execute the script commands.

For more information on this feature please contact our support.

### **2.1.28 96DPI limitation**

The surveillance and administration clients can now run on systems using DPI other than 96, but a warning message will be displayed at the opening of the client.

### **2.1.29 New features for Standard edition**

The following pre-existent features in superior editions were added to Standard edition:

- Global Events - Limited to 4 registered events
- Scheduled Events - Limited to 2 registered events
- Virtual Matrix - Limited to 1 matrix station with up to 8 monitors (Connected to this station)
- Manual Events - Limited to 4 registered events per cameras per camera

### **2.1.30 New features for Professional edition**

The following pre-existent Enterprise-only features were added to Professional edition:

- Archiving
- IP Filters
- Periodic server health report sent by e-mail

## **2.2 Device integration**

### **2.2.1 Axis**

- Added support for AreaZoom in Axis devices, allowing the camera to move to the selected area on screen

### **2.2.2 New supported media devices**

3S Vision N1011  
3S Vision N1012

3S Vision N1031  
3S Vision N1032  
3S Vision N3011  
3S Vision N3012  
3S Vision N3031  
3S Vision N3032  
3S Vision N3073  
3S Vision N3074  
3S Vision N4011  
3S Vision N4012  
3S Vision N4013  
3S Vision N5012  
3S Vision N6015  
3S Vision N6016  
3S Vision N6031  
3S Vision N6032  
3S Vision N6034  
3S Vision N6035  
3S Vision N6036  
3S Vision N6037  
3S Vision N6038  
3S Vision N6074  
3S Vision N6075  
3S Vision N6076  
3S Vision N6077  
3S Vision N6078  
3S Vision N6079  
3S Vision N6082  
3S Vision N8011  
3S Vision N8012  
3S Vision N8031  
3S Vision N8032  
3S Vision N8072  
3S Vision N9012  
3S Vision N9017  
3S Vision N9018  
3S Vision N9032  
3S Vision N9033  
3S Vision N9034  
3S Vision N9073  
3S Vision N9074  
ACTi B41  
ACTi B55  
ACTi B81  
ACTi B96  
ACTi D11  
ACTi D12  
ACTi D21  
ACTi D22  
ACTi D31  
ACTi D32  
ACTi D41  
ACTi D42

ACTi D51  
ACTi D52  
ACTi D54  
ACTi D55  
ACTi D62  
ACTi D65  
ACTi D71  
ACTi D72  
ACTi D81  
ACTi D82  
ACTi E11  
ACTi E12  
ACTi E21  
ACTi E22  
ACTi E23  
ACTi E24  
ACTi E25  
ACTi E31  
ACTi E32  
ACTi E33  
ACTi E41  
ACTi E42  
ACTi E43  
ACTi E44  
ACTi E45  
ACTi E46  
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ACTi E66  
ACTi E67  
ACTi E71  
ACTi E72  
ACTi E73  
ACTi E74  
ACTi E81  
ACTi E82  
ACTi E83  
ACTi E85  
ACTi E86  
ACTi E91  
ACTi E92  
ACTi E94  
ACTi E95  
ACTi E96  
ACTi I96  
ACTi KCM-5611

ACTi KCM-7911  
AGNI CIR-L5130  
AGNI MB-51820  
AGNI MB-51W1  
AGNI MB-51W2  
AGNI MB-51W5  
AGNI MB-51W6  
AirLive BC-5010  
AirLive BU-2015  
AirLive BU-3025  
AirLive BU-3026-IVS  
AirLive BU-720  
AirLive CU-720PIR  
AirLive CW-720  
AirLive DM-720  
AirLive FE-200DM  
AirLive IP-150CAM  
AirLive IP-200PHD  
AirLive MD-3025IVS  
AirLive MD-720  
AirLive OD-2025HD  
AirLive OD-2025PHD  
AirLive OD-2050HD  
AirLive OD-2060HD  
AirLive OD-325HD  
AirLive OD-600HD  
AirLive POE-100HD  
AirLive POE-200HD  
AirLive POE-250HD  
AirLive POE-2600HD  
AirLive POE-5010HD  
AirLive SD-2020  
AirLive WL-350HD  
AirLive WN-150CAM  
AirLive WN-200HD  
AirLive WN-2600HD  
Alive AL-3004S  
Alive AL-4004HIB  
Alive AL-4008HIB  
Alive AL-4016HIB  
Alive AL-5008HD  
American Dynamics ADCI625P120  
American Dynamics ADCIPE3712OCN  
American Dynamics Illustra Flex  
A-MTK AH2806T  
Arecont AV10115DN-AI-v1  
Arecont AV10115DN-v1  
Arecont AV10115v1  
Arecont AV1115  
Arecont AV20185CO  
Arecont AV20185CO-HB  
Arecont AV20185DN-HB  
Arecont AV20365CO



Arecont AV20365CO-HB  
Arecont AV20365DN  
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Arecont AV2115DN-AI-v1  
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Arecont AV2115-v1  
Arecont AV2255AM-A  
Arecont AV2255AM-AH  
Arecont AV2255AM-H  
Arecont AV2255AMIR  
Arecont AV2255AMIR-A  
Arecont AV2255AMIR-AH  
Arecont AV2255AMIR-H  
Arecont AV2256PM  
Arecont AV2256PMIR  
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Arecont AV2455DN-S  
Arecont AV2456DN-F  
Arecont AV2456DN-S  
Arecont AV3146DN-04-D  
Arecont AV3146DN-04-D-LG  
Arecont AV3146DN-04-W  
Arecont AV3146DN-3310-D  
Arecont AV3146DN-3310-DA  
Arecont AV3146DN-3310-DA-LG  
Arecont AV3146DN-3310-D-LG  
Arecont AV3146DN-3310-W  
Arecont AV3146DN-3310-WA  
Arecont AV5125DNv1-x  
Arecont AV5125IRv1-x  
Arecont AV8185CO  
Arecont AV8185CO-HB  
Arecont AV8185DN  
Arecont AV8185DN-HB  
Arecont AV8365CO  
Arecont AV8365CO-HB  
Arecont AV8365DN  
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Arecont D4F-AV2115DNv1-3312  
Arecont D4F-AV2115v1-04  
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Arecont D4S-AV2115DNv1-04  
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Arecont D4S-AV2115v1-3312  
Arecont D4SO-AV2115DNv1-3312  
Arecont D4SO-AV2115v1-3312  
Avigilon 1.0W-H3PTZ-DP20  
Avigilon 2.0W-H3-BO1-IR  
Avigilon 5.0-H3-D1  
AVTech AVM571  
AVTech AVM583

AVTech AVM591  
AVTech AVX931  
AVTech KPD679-HD  
Axis M1004-W  
Axis M1145  
Axis M1145-L  
Axis M3024-LVE  
Axis M3025-VE  
Axis M3026-VE  
Axis M3027-PVE  
Axis M5013-V  
Axis M5014-V  
Axis M7010  
Axis P1204  
Axis P1214  
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Axis P1224-E  
Axis P1355  
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Axis P1357  
Axis P1357-E  
Axis P1405-E  
Axis P1405-LE  
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Axis P1428-E  
Axis P7216  
Axis P8514  
Axis Q1614  
Axis Q1614-E  
Axis Q1615  
Axis Q1615-E  
Axis Q1765-LE  
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Axis Q6045  
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Axis Q6045-S  
Axis Q7424-R  
Balter IP-B3  
Benyuan BN-IP20CW/H  
Beward BD4330DVx  
Beward BD4330Dxx  
Beward BD4330Rxx

Beward BD4330xx  
Bikal BKE-DIP-D2000H  
Bikal BKE-F12D-817  
Bikal BKE-IMP-420  
Bikal BKE-KIP-TIR2000H  
Bikal BKE-MBL020FFIR-DJ  
Bikal BKE-MDM020FFIR-D11  
Bikal BKE-MDM020FFIR-DN  
Bikal BKE-MDM020VFIR-DM  
Bikal BKP-BL020FF-AFB  
Bikal BKP-IMP-420  
Bikal BKPSDM020PZ20PXB  
Bosch DVR 3000-16A  
Bosch DVR 5000-16A  
Bosch FlexiDome NDN-50022V03  
Bosch NBN-733-V-P  
Bosch NEI-308V05-21B  
Bosch NIN-733-V03IP  
Bosch VIP X16XFE  
Bosch VJT-X40XF-E  
Braxton BX254-BR  
Braxton IRIP502812G-A  
Brickcom CB-500Ap-360  
Brickcom FD-301Af  
Brickcom MD-300Np 360P  
Brickcom MD-500AP 360P  
Brickcom OB-130AF  
Brickcom OB-132Np  
Brickcom OB-500Af  
Brickcom OB-500Af-A1-V5  
Brickcom OSD-200AP  
Brickcom VB-03  
Bycon VP7016H  
Camtron CMNH-138  
Canon VB-H41  
Canon VB-H610D  
Canon VB-H610VE  
Canon VB-H710F  
Canon VB-S30D  
Canon VB-S31D  
Canon VB-S800D  
Canon VB-S805D  
Canon VB-S900F  
Canon VB-S905F  
Carmehil KIP-100P40  
Carmehil KIP-200SHR30  
Cisco IPC2421  
Cisco IPC2500  
Citrox CX-D014  
Citrox CX-D016  
Citrox CX-H026  
Citrox CX-H027  
Citrox CX-IP03

Citrox CX-IPD02  
Clear CL1304  
Clear CL1304-NVR  
Clear CL1308  
Clear CL1308-NVR  
Clear CL1316  
Clear CL1316-NVR  
Clear CL1324-NVR  
Clear CL1332  
Clear CL1332-NVR  
Clear CLIP-1.0M  
Clear CLIP-1.3M  
Clear CLIP-2.0M  
Clear CLSDP-HD-IP  
Cop-BR COP3-IP17P  
Cop-BR COP3-IP24P  
Cop-BR NV332  
Cop-BR NV333  
Cop-BR NW456  
Cop-BR NW541  
CS Elettronica CMIP042X  
CS Elettronica CMIP052X  
Digifort Mobile Camera  
Dinox DDC-2220  
Dinox DDR-3310  
Dinox DDR-5310  
Dinox DDX-4320  
Dinox DDX-5310  
Dinox DDZ-8120  
D-Link DCS-2130  
D-Link DCS-2230  
D-Link DCS-3112  
D-Link DCS-5020L  
D-Link DCS-6010L  
D-Link DCS-6314  
D-Link DCS-6513  
D-Link DCS-6616  
Dotix IB3-M121W/N  
Dotix ID2-2M21D  
DSS IP20 1.3  
DSS IP20 1.3 Dome  
DSS IP20 2.4  
DSS IP20 2.4 Dome  
DSS IP25 1.3 Blindome  
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DSS IP40 1.3  
DSS IP40 2.4  
Dynacolor NH053  
Dynacolor W6-B  
Dynacolor W8  
Dynacolor X0S7-B  
EagleVision EN-DAN13F3VP  
EagleVision EN-DSM13F2VP

EagleVision EN-DSM13F3VP  
EagleVision EN-RWM13Z3M1  
eCamView ECDVR-04  
eCamView ECDVR-08  
eCamView ECDVR-16  
eCamView ECNVR-204P  
eCamView ECNVR-208P  
eCamView ECV-B13  
eCamView ECV-B30VF  
eCamView ECV-D13  
eCamView ECV-D13VF  
eCamView ECV-D30  
eCamView ECV-D30VF  
eCamView ECV-PH13HDWD  
eCamView ECV-QD20P  
eCamView ECV-SD13-IR30X  
eCamView ECV-SD20-20X  
eCamView ECV-SD20-IR30X  
Ecotronic DVR-5004F  
Ecotronic DVR-5016C  
Ecotronic DVR-6008F  
Ecotronic DVR-6032F  
Ecotronic HVR-6016F  
Ekotech CF101P  
Ekotech NB670E  
Ekotech ND614E  
Ekotech ND736E  
Ekotech ND737E  
Ekotech NL721E  
Etrovision EV6150ACI  
Etrovision N21QMD  
Etrovision N53F-F  
Etrovision N56Q-10  
Etrovision N71UML  
Everfocus EDN3260  
Everfocus EZN3260  
Flexwatch FW-1170VQ  
Flexwatch FW-1173FX  
Flexwatch FW-1175FM  
Flexwatch FW-1175MM  
Flexwatch FW-1176FM  
Flexwatch FW-1176MM  
Flexwatch FW-1177FP  
Flexwatch FW-1178DP  
Flexwatch FW-1179FM  
Flexwatch FW-1179FV  
Flexwatch FW-1179FX  
Flexwatch FW-1179MM  
Flexwatch FW-1179MS  
Flexwatch FW-3471  
Flexwatch FW-3870  
Flexwatch FW-5470  
Flir DNB16M2

Flir DNZ30TL2R  
Flir FC-324  
Foscam FI9804W  
Foscam FI9805W  
Foscam FI9818W  
Foscam FI9826W  
Foscam FI9831W  
Foscam FI9851P  
Foscam FI9851W  
GeoVision GV-CB220D  
Gerp IP BVE-2M-309  
Gerp IP CB-2M-SL  
Gerp IP DFY5M-1.05  
Gerp IP DVI-2M-309  
Gerp IP MDI-2M-28  
Gerp IP SDE-2M-18X  
Giga GS04HVR  
Giga GS08HVR  
Giga GS16480C  
Giga GS16HVR  
Giga GS16HVR960  
Giga GS24HVR  
Giga GS32960C  
Giga GS32HVR  
Giga GS4120C  
Giga GS4HVR960  
Giga GS8240C  
Giga GS8HVR960  
Giga GSIPWIFHD  
Giga IP1000 DWDR  
Giga IP1000 VWDR  
Giga IP1000 VWDRP  
Giga IP5000D  
Giga IP5000V  
Giga IP5000VP  
Golbong GB-HD201-IR  
Grandstream GXV3672FHD  
Gravo GIB-1.3IF  
Gravo GIB-1.3IVW  
Gravo GIB-10F/10  
Gravo GIB-10FW/10  
Gravo GIB-10V/10  
Gravo GIB-10VSW/15  
Gravo GIB-10VW/15  
Gravo GIB-1IF  
Gravo GIB-1IFW  
Gravo GIB-1IOVW/15  
Gravo GIB-1IV  
Gravo GIB-1IVW  
Gravo GIB-20VW/15  
Gravo GIB-2IVW  
Gravo GIB-30F/10  
Gravo GIB-30FSW/15

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Gravo GIB-30V/10  
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Gravo GIB-50FW/15  
Gravo GIB-50VW/15  
Gravo GIB-5IF  
Gravo GIB-5IFW  
Gravo GIB-5IV  
Gravo GIB-5IVW  
Gravo GIC-1IF  
Gravo GIC-1IFW  
Gravo GIC-3IF  
Gravo GIC-3IFW  
Gravo GIC-5IFW  
Gravo GID-1.30V  
Gravo GID-1.3F  
Gravo GID-1.3IF  
Gravo GID-1.3IFAV  
Gravo GID-1.3IV  
Gravo GID-1.3IVW  
Gravo GID-1.3IVW/SD  
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Gravo GID-10IFW  
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Gravo GID-3IF/SD  
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Gravo GID-3IV/15

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Gravo GID-50FW/15  
Gravo GID-50VW/15  
Gravo GID-5IFW  
Gravo GID-5IFW/15  
Gravo GID-5IVW/15  
Gravo GIE-1CH  
Gravo GIF-5IFW  
Gravo GIZ-20AW18/20  
Gravo GIZ-20AW22/20  
Gravo GIZ-40AW18  
Gravo GIZ-4I18  
Gravo GSA16P00  
Gravo GSA4U00  
Greatek SEGI-0720B  
Greatek SEGI-0720E  
Greatek SEGI-1300B  
Greatek SEGI-1333G  
GVI Security GV-NC102D  
GVI Security GV-NC102DO  
GVI Security GV-NC201B  
GVI Security GV-NC201VA  
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GVI Security NIB-2150  
GVI Security NID-213M  
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GVI Security NID-2161  
GVI Security NRD-213M  
HDL DVR-HM TD32  
HDL HMEG-70D  
HDL HMEG-70DPIR  
HDL HMEG-73DVIR  
HDL HMEG-73P  
HDL HMEG-83PIR  
HDL HMEG-90  
HDL HMNVR-TD16  
HDL HMNVR-TD32  
HDL HMNVR-TD4  
HDL HMNVR-TD8  
HDL HMS  
Hikvision DS-2CD2012-I  
Hikvision DS-2CD2032-I  
Hikvision DS-2CD2110-I  
Hikvision DS-2CD2112-I  
Hikvision DS-2CD2132-I  
Hikvision DS-2CD2212-I3  
Hikvision DS-2CD2212-I5  
Hikvision DS-2CD2232-I3



Hikvision DS-2CD2232-IS  
Hikvision DS-2CD2312F-I  
Hikvision DS-2CD2332F-I  
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Hikvision DS-2DF7286-A  
Hikvision DS-6704HWI  
Hikvision DS-7216HWI-SH  
Hikvision EV-1016-HDX  
Hikvision HFIPC-2352F-IWS  
Honeywell HD3MDIP  
Honeywell HD44IP  
Hunt HLC-15BM  
Hunt HLC-79CF  
Hunt HLV-1WCF  
Huvion SK-NB311  
Huvion SK-NB312  
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iCanTek iCanView356M  
iMege G2214H  
iMege G3211E  
iMege M2210E  
iMege M2210V  
iMege N3211E  
iMege V2211E  
IndigoVision 8000 Series  
IndigoVision 9000 Series  
IndigoVision BX100

IndigoVision VP888P81  
Infinova V6822-T  
Infokrause IK20-HD-1-H18  
Infokrause IK20-HD-2-S20  
Infokrause IK20-HD-IR-1-H18  
Infokrause IK20-HD-IR-2-S20  
Infokrause IK20-HD-JL-1-H18  
Infokrause IK20-HD-JL-2-S20  
Infokrause IK20-HD-LS-1-H18  
Infokrause IK20-HD-LS-2-S20  
Infokrause IKC1100  
Infokrause IKE100  
Infokrause IKE1100  
Infokrause IKE1100L  
Infokrause IKE1100M  
Infokrause IKE1202HD  
Infokrause IKE3100  
Infokrause IKE3100M  
Infokrause IKE3500  
Infokrause IKE3500L  
Infokrause IKE3500M  
Infokrause IKE3510-FH  
Infokrause IKE4100  
Infokrause IKE4500  
Infokrause IKE5500  
Infokrause IKE6500  
Infokrause IKE7500  
Infokrause IKN100HD  
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Infokrause IKN3102HD  
Infokrause IKN3502HD  
Infokrause IKN6602HD  
Infokrause IKV100  
Infokrause IKV1000  
Infokrause IKV1000A  
Infokrause IKV1000HD  
Infokrause IKV110  
Infokrause IKV2000A  
Infokrause IKV4000  
Infokrause IKV4000A  
Infokrause IKV4000L  
Infokrause IKX3302HD  
Infokrause IKX3702HD  
Infokrause IKX4602HD  
Intelbras HDCVI3004  
Intelbras HDCVI3008  
Intelbras VD 5016  
Intelbras VD 5032  
Intelbras VIP E2100  
Intelbras VIP E4120  
Intelbras VIP E4220  
Intellinet INT-550307

iPUX ICS1003  
iPUX ICS100A  
iPUX ICS1013  
iPUX ICS101A  
iPUX ICS1100  
iPUX ICS1110  
iPUX ICS1120  
iPUX ICS1300  
iPUX ICS130A  
iPUX ICS1310  
iPUX ICS131A  
iPUX ICS1330  
iPUX ICS133A  
iPUX ICS1700  
iPUX ICS1720  
iPUX ICS1800  
iPUX ICS2000  
iPUX ICS2030  
iPUX ICS2300  
iPUX ICS2330  
iPUX ICS7100  
iPUX ICS7120  
iPUX ICS7130  
iPUX ICS7200  
iPUX ICS7220  
iPUX ICS7230  
iPUX ICS7521  
iPUX ICS8200  
iPUX ICS8220  
IQinvision IQ030S  
IQinvision IQ031S  
IQinvision IQ032S  
IQinvision IQ761N  
IQinvision IQ761W  
IQinvision IQ762N  
IQinvision IQ762W  
IQinvision IQ763N  
IQinvision IQ763W  
IQinvision IQ765N  
IQinvision IQ832N  
IQinvision IQ861N  
IQinvision IQ861W  
IQinvision IQ862N  
IQinvision IQ862W  
IQinvision IQ863N  
IQinvision IQ863W  
IQinvision IQ865N  
IQinvision IQA30N  
IQinvision IQA31N  
IQinvision IQA31NA  
IQinvision IQA31W  
IQinvision IQA31WA  
IQinvision IQA32N

IQinvision IQA32NA  
IQinvision IQA32W  
IQinvision IQA32WA  
IQinvision IQA33N  
IQinvision IQA33NA  
IQinvision IQA33W  
IQinvision IQA33WA  
IQinvision IQA35N  
IQinvision IQA35NA  
IQinvision IQD30S  
IQinvision IQD31S  
IQinvision IQD32S  
IQinvision IQD51W  
IQinvision IQD52W  
IQinvision IQD53W  
IQinvision IQD55N  
IQinvision IQM30N  
IQinvision IQM31N  
IQinvision IQM32N  
IQinvision IQM51W  
IQinvision IQM52W  
IQinvision IQM53W  
IQinvision IQM55N  
IQinvision IQR53NR  
ITX NMX-2003-P  
JVC VN-H557  
KODO PRO KDR-08HD  
KODO PRO KDR-16HD  
Komsos K7013IR  
Komsos K7020D  
Komsos K7020IR  
Komsos K7213SPD  
Komsos K7220SPD  
Komsos K7220SPDIR  
LecVox LEC-13BL  
LecVox LEC-13BP  
LecVox LEC-13BVF  
LecVox LEC-13DVF  
LG LE6016  
LG LNB5110  
LG LNB7210  
LG LND3110R  
LG LND3210R  
LG LND5100R  
LG LND5110  
LG LND7210R  
LG LNP3020T  
LG LNU3110R  
LG LNU5100R  
LG LNU7210R  
LG LNV7210R  
LG LW9422G  
LG LW9424-B

Linksys WVC80N  
LS Vision LS HD Fixed  
LS Vision LS HD Speed Dome  
LS Vision LS SD Fixed  
LS Vision LS SD Speed Dome  
LTV ICDM1-E6231L  
LTV ICDM1-E8231L  
LTV ICDM2-E6231L  
LTV NVR-1650  
LuxVision DVR5704T-S  
LuxVision DVR5708T-S  
LuxVision LV-32  
LuxVision LVCSDIP  
Lynx LY-DVR4016HE-C  
Lynx LY-DVR4040HE-C  
Lynx LY-DVR4080HE-C  
Merit Lilin IPR434ESX  
Merit Lilin IPR438ESX  
Merit Lilin IPS4184S  
Merit Lilin IPS4204  
Merit Lilin ZR6122-EX3  
Messoa LPR606  
Messoa LPR610  
Messoa NCB355  
Messoa NCB358  
Messoa NCR365  
Messoa NCR878  
Messoa NDF820PRO  
Messoa NDF831PRO  
Messoa NDF891PRO  
Messoa NDR891-HN5-MES  
Messoa NID321  
Messoa NID325  
Messoa NID335  
Messoa NID338  
Messoa NOD385  
Messoa NOD395  
Messoa NOD398  
Messoa UFD301  
Messoa UFD305  
Mobotix D14D  
Mobotix M24  
Mobotix Q24M  
Mobotix S15D  
MTW VM0414  
MTW VM0514  
MTW VM0614  
Newello NW-TA-5708  
Newello NW-TA-5716  
Nexcom NCM-301-V  
Nixzen NX-IP-Encod9302D-W  
Novacell IPC-IRCY20MA  
Novacell TD 2308



Novacell TD 2316  
Oncam EVO-05NID  
OnElectronics CFB-10MP/IP  
OnElectronics CFB-10MP/LIR35-IP  
OnElectronics CFB-13MP/IP  
OnElectronics CFB-13MP/LIR35-IP  
OnElectronics CFB-20MP/IP  
OnElectronics CFB-20MP/LIR35-IP  
OnElectronics CFB-30MP/IP  
OnElectronics CSD-13MP 12X  
OnElectronics EP-04A01  
OnElectronics EP-08A01  
OnElectronics EP-16A01  
OnElectronics MCF-20MP/LIR35-IP  
OnElectronics MDV-10MP/LIR20-IP  
OnElectronics MDV-13MP/LIR20-IP  
OnElectronics MDV-20MP/LIR20-IP  
OnElectronics MDV-30MP/LIR20-IP  
OnElectronics MDV-30MP/LIR20-IP-AV  
Opgal Sii AT  
Oxcis OX-712A  
Oxcis OX-713H1  
Oxcis OX-713W  
Oxcis OX-812A  
Oxcis OX-8130  
Oxcis OX-813T2  
Pelco DX4816  
Pelco EVO-05NID  
Pelco IL10-BP  
Pelco NET5516  
Pelco Sarix IBP519-ER  
Pelco Sarix IME319-AD  
Pelco Sarix IMP319-1  
Pelco Sarix IXE11  
Pelco Sarix IXE21  
Pelco Sarix IXE31  
Pelco Sarix IXES1  
Pelco Sarix IXP31  
Pelco Spectra D5230  
Pelco Spectra Pro P1220  
Pixord PD636E  
Planet ICA-3250V  
Planet ICA-4200V  
Planet ICA-8350  
Planet ICA-8500  
Posonic G.eye HCN-SP900  
Posonic G.eye HCN-T4-R4310  
Posonic G.eye HCN-T4-R4410  
Posonic G.eye HCN-T-RC6310  
Posonic G.eye HCN-T-RC6320  
Posonic G.eye HCN-T-RC6510  
Posonic G.eye HCN-T-RC6520  
Posonic G.eye HCN-T-RC6910

Posonic G.eye HCN-T-RC6920  
Posonic G.eye HCS-V404  
Pumatronix ITSCAM-401  
Qihan HD-CVI  
Qihan QH-3208A-H  
Qihan QH-D3004C-H  
Qihan QH-D3008A-H  
Qihan QH-D3016A-H  
Quaddrix oQ-6330  
RIVA IPN100HD  
RIVA RC100  
RIVA RC1100  
RIVA RC1100-M  
RIVA RC1202-HD  
RIVA RC3100  
RIVA RC3100-M  
RIVA RC3102-HD  
RIVA RC3302-HD  
RIVA RC3500  
RIVA RC3500-L  
RIVA RC3500-M  
RIVA RC3502-HD  
RIVA RC3702-HD  
RIVA RC4100-27X  
RIVA RC4100-36X  
RIVA RC4100-37X  
RIVA RC4500-27X  
RIVA RC4500-36X  
RIVA RC4500-37X  
RIVA RC4602-HD  
RIVA RC5500  
RIVA RC6500  
RIVA RC6602-HD  
RIVA RC7500  
RIVA RE1000  
RIVA RE110  
RIVA RE4000  
RIVA RTC1100  
Safety SIP260IR  
Samsung SNB-5003  
Samsung SNB-6010  
Samsung SNB-7004P  
Samsung SNB-8000N  
Samsung SND-5083  
Samsung SND-5084R  
Samsung SND-6011R  
Samsung SND-7084N  
Samsung SND-7084RP  
Samsung SNF-7010P  
Samsung SNF-7010V  
Samsung SNF-7010VM  
Samsung SNF-8010  
Samsung SNF-8010VM

Samsung SNH-1011N  
Samsung SNO-5084RP  
Samsung SNO-7084RN  
Samsung SNP-5300H  
Samsung SNP-5430H  
Samsung SNP-6200N  
Samsung SNP-6320H  
Samsung SNP-6321N  
Samsung SNV-5084N  
Samsung SNV-5084R  
Samsung SNV-6013N  
Samsung SNV-6084N  
Samsung SNV-7084P  
Samsung SNV-7084RP  
Samsung SNV-8080P  
Samsung Techwin SNP-3300A  
Secubest SB-BFN-0812P  
Secubest SB-BFN-B402P  
Secubest SB-FXN-B402P  
Secubest SB-PXN-0512P  
Sentry360 FS-IP3000-M  
Sentry360 FS-IP4180  
Sentry360 FS-IP5000-M  
Sentry360 IS-DM220-HB  
Sentry360 IS-DM220-IRB-30  
Sentry360 IS-DM240  
Sentry360 IS-DM260  
Sentry360 IS-IP200-DN  
Sentry360 IS-IP220-IRB-30  
Sentry360 IS-IP290  
Sfera GESSXHD-330MVIP  
Sfera GESSXHD-613MIP  
Sfera GESSXHD-713MIP  
Sfera GESSXHD-720MIP  
Sfera GESSXHD-720MVIP  
Sfera GESSXHD-730MVIP  
Sfera GESSXHD-730MVIP2  
Showtec 7904H  
Showtec SW5104  
Showtec SW7604  
Showtec SW9616  
Siera IPS NVS  
Siqua TKH BC620WDR  
Siqua TKH BC620WDR-AID  
Siqua TKH BC620WDRPID  
Siqua TKH BC820  
Siqua TKH BC820EXP  
Siqua TKH BC820H1  
Siqua TKH BC820MP5  
Siqua TKH BL810F1IR  
Siqua TKH BL820M1IR  
Siqua TKH C10D  
Siqua TKH C-620 E

Sigura TKH C-620 E-PID  
Sigura TKH CD810F1  
Sigura TKH CD820F1  
Sigura TKH CD820F2  
Sigura TKH EVE-1  
Sigura TKH EVE-4  
Sigura TKH EVE-4x4  
Sigura TKH EVE-4x4 V2  
Sigura TKH FD810V1IR  
Sigura TKH FD820M1  
Sigura TKH FD820M1IR  
Sigura TKH HSD 620  
Sigura TKH HSD 620 N  
Sigura TKH HSD 620 PRH  
Sigura TKH HSD 621 PRH  
Sigura TKH HSD 622  
Sigura TKH HSD 626  
Sigura TKH HSD 628 EXP  
Sigura TKH HSD 820 H1EP  
Sigura TKH HSD 820 H1IM  
Sigura TKH HSD 820 H2E  
Sigura TKH HSD 820 H2I  
Sigura TKH HSD 820 H3E  
Sigura TKH IFD820V1IR  
Sigura TKH MSD620  
Sigura TKH MSD622  
Sigura TKH S-60 D-MC  
Sigura TKH S-620 D  
Sigura TKH S-620 E  
Sigura TKH S-64 E 32G  
Sigura TKH S-64 E V2  
SkyVision RJ-S1.3HIB  
Sony SNC-CX600  
Sony SNC-CX600W  
Sony SNC-EB600  
Sony SNC-EB600B  
Sony SNC-EB602R  
Sony SNC-EB630  
Sony SNC-EB630B  
Sony SNC-EB632R  
Sony SNC-EM602R  
Sony SNC-HM662  
Sony SNC-VB632D  
Sony SNC-VB635  
Sony SNC-VM601  
Sony SNC-VM601B  
Sony SNC-VM631  
Sony SNC-VM632R  
Sony SNC-WR600  
Sony SNC-WR602  
Sony SNC-WR630  
Sony SNC-WR632  
Sony SNC-XM631

Sony SNC-XM632  
Sony SNC-XM636  
Sony SNC-XM637  
Suatech SUAIP 1300VF  
Suatech SUAIP B1000  
Suatech SUAIP-B2000VF  
Suatech SUAIPC1000W  
Suatech SUAIP-D1300VF  
Suatech SUAIP-D2000VF  
TecVoz CMNH-135  
TecVoz CTNC-6351DMP  
TecVoz HLC-1NAD/P  
TecVoz HLC-79AD/P  
TecVoz HLC-79AD/W  
TecVoz HLC-79CD/P  
TecVoz HLC-83VW  
TecVoz HLC-84BV  
TecVoz HLC-84BVW  
TecVoz HLC-84VW  
TecVoz HLV-1WADP  
TecVoz HWS-01AD/P  
TecVoz HWS-01AD/W  
TecVoz HWS-04AD/W  
TecVoz IR-IP-MG-PTZ20N  
TecVoz TD2304SE  
TecVoz TD2404MD  
TecVoz TD2516FD  
TecVoz THK-ICB13  
TecVoz THK-ICB30  
TecVoz THK-ICC13IR  
TecVoz THK-ICC13IR-W  
TecVoz THK-IDM13-M  
TecVoz THK-IDM30  
TecVoz THK-IEN1  
TecVoz THK-IEN4  
TecVoz THK-ISP13  
TecVoz THK-ISP13IR  
TecVoz THK-ISP20  
TecVoz THK-SH04  
TecVoz THK-SH08  
TecVoz THK-SH16  
Thor Security TH-EC3104  
Thor Security TH-VEP1CH  
Toshiba IK-WB21A  
TRENDnet TV-IP201  
Uniview IPC241L-IR-IN  
US Import 2308-SEC  
US Import 2316-SEC  
US Import 2516-HEC  
US Import 2704-XEP  
US Import 2708-XDP  
US Import 2716-XDM  
Vacron VFH-8220I

Vacron VIH-DH850  
Vacron VIH-DH850E  
Vacron VIT-6series  
Vacron VIT-DA651  
Vacron VIT-UA626E  
Vacron VIT-UA631E  
Venetian 1M Tiny Cube  
Venetian IP-11000  
Venetian IP-51000  
Venetian IP-61000  
Venetian IP-61335  
Venetian IP-61340  
Venetian IP-61340PRO  
Venetian IP-65040  
Venetian IP-7516  
Venetian NVR-1008T  
Venetian NVR-2008X  
Venetian NVR-2016T  
Venetian NVR-6024  
Venetian SEP-1318  
Venetian SEP-1418  
Venetian SEP-2018  
Venetian VNT-1632  
Via Real NND-6301M-B  
Videoline EP-CBW7431AF-IR  
Videoline EP-CBW7472  
Videoline EP-CBW7543B  
Videoline EP-CBW7553M-IR  
Videoline EP-CBW7554-IR  
Videoline EP-CBW7556-IR  
VisionView D7501  
VisionView DG216  
VisionView DG604 II S  
VisionView DG604 S  
VisionView DG604 T  
VisionView DG608 II S  
VisionView DG608 II V  
VisionView DG608 S  
VisionView DG608 V  
VisionView DG616 II S  
VisionView DG616 II U  
VisionView DG616 S  
VisionView DG616 T  
VisionView DG616 U  
VisionView DG86  
VisionView DH060  
VisionView DH820eA3  
VisionView NH061  
VisionView NH071  
VisionView NH073  
VisionView NH102  
VisionView NH102 Rugged  
VisionView NH221

VisionView NH701E  
VisionView NH801E  
VisionView NH811E  
VisionView NH820  
VisionView NV062  
VisionView NV102  
VisionView V1  
VisionView V1 Rugged  
VisionView V2  
VisionView V6  
VisionView VV-Q1155RV  
VisionView VV-WJ  
VisionView VV-WM  
VisionView VV-X1  
VisionView W1-BA100  
VisionView W2  
VisionView W3  
VisionView W5  
VisionView W6  
VisionView ZH811E  
Vivotek FD8137H  
Vivotek FD8138H  
Vivotek FD8152V  
Vivotek FD8154  
Vivotek FD8154V  
Vivotek FD8163  
Vivotek FD8164  
Vivotek FD8164-V  
Vivotek FD8166  
Vivotek FD8167  
Vivotek FD8168  
Vivotek FD8169  
Vivotek FD8171  
Vivotek FD8338HV  
Vivotek FD8363  
Vivotek FD8365EHV  
Vivotek FD8367  
Vivotek FD8373EHV  
Vivotek FE8171V  
Vivotek FE8172  
Vivotek FE8172V  
Vivotek FE8173  
Vivotek FE8174  
Vivotek FE8180  
Vivotek FE8181  
Vivotek FE8181V  
Vivotek IB8156-C  
Vivotek IB8168-C  
Vivotek IB8338-H  
Vivotek IB8354-C  
Vivotek IB8367  
Vivotek IB8369  
Vivotek IB8373EH

Vivotek IP8155HP  
Vivotek IP8165HP  
Vivotek IP8173H  
Vivotek IP8331  
Vivotek IP8335EH  
Vivotek IP8337H  
Vivotek IP8355EH  
Vivotek IP8355HP  
Vivotek IP8364-C  
Vivotek IP8365EH  
Vivotek IP8371-E  
Vivotek IP8372  
Vivotek MD8531H  
Vivotek PD8136  
Vivotek SD8314E  
Vivotek SD8316E  
Vivotek SD8363E  
Vivotek SD8364E  
Vivotek SF8172  
Vivotek SF8172V  
Vivotek SF8174  
Vivotek VC8201  
Vivotek VS8100  
VTV IPNV03  
VTV SpeedDome HD IP  
VTV VT-6626  
Vumii Sii AT  
Wanscam HW0028  
XTS AUG60-WB36  
XTS N50A-ML  
XTS N50U-ML  
XTS N51A-ML  
XTS N51U-ML  
XTS N70A-BL  
XTS N70Q-10  
XTS N70Q-C  
XTS N70Q-CD  
XTS N70U-BL  
XTS N71A-ML  
XTS N71U-ML  
XTS PAN 5MPVL  
Zavio V1100

### **2.2.3 New supported I/O devices**

Comm5 MA-5000  
Comm5 MA-5100  
Comm5 MA-5200  
Comm5 MI-1000  
Commbox MCA10  
Commbox MCA10 32bit  
Commbox MIO-0824  
Commbox MIO-100  
Commbox MIO-2408



Commbox MIO-400  
Commbox MIO-401  
Commbox MIO-800  
Commbox MIO-801  
Fiber Security SMV-1  
Fiber SenSys FD-322  
Helper Supervisão  
IP Extreme IPX8001  
Moxa E2212  
Optex RLS-3060L  
Optex RLS-3060SH  
Penta DES-8E8S  
WarpTec TIO-2721

## 2.3 Fixes

The following corrections were applied:

- Fixed a problem with multi-monitor in surveillance client that prevented its use if the client was closed on a secondary monitor and reopened after this monitor be removed from the computer. This problem only occurred if the client was configured for manual multi-monitor
- Minor fixes to the communication driver of Venetian devices
- Scheduled events were being triggered even when disabled
- The position of presets from Flir cameras were not being saved correctly
- Fixed a problem in video recording buffer that could cause memory overflow when the recordings were set to less than 1 frame per second
- Fixed a problem of importing the list of plates by using CSV files
- Fixed a problem in the change of recording profile by motion detection which could momentarily break the recorded images
- Fixed an issue with Digifort services announcement (Server, Analytics and LPR) which prevented its operation on multiple networks
- The reconnection message in live camera control was not centralized
- The ActiveX control was not properly saving views
- The media exporting in native format was not calculating the size of files of the media player when using the export limit
- When the user clicks to manually connect to a server in the surveillance client, the system will not automatically switch to the list of objects, remaining in the servers list
- The privacy mask and filters were not being applied to AVI exporting
- The biometrics authentication was not working without username

- Fixed some problems in the generation of reports in surveillance client
- The search of analytics or LPR records should show the wrong details of a selected record when connected to more than one server
- The system installation would freeze when installing the driver for biometric reader when running in silent mode
- Fixed a problem with the speed of PTZ from Vivotek SD8363E camera
- The administration client could record only 127 presets. Increased to 255
- Fixed a problem with the media driver of camera SNP3300 which prevented its use
- The event log was working even when disabled
- Fixed a problem in the PTZ driver of Vivotek video servers what would prevent the control of the cameras
- Fixed a problem that could trigger the communication failure event when the scheduling of a camera set to continuous recording changed to motion recording while using an alternative video profile for detecting motion