Digifort Release Notes

Version 6.7.1.1

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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 6.7.1.1

Release date: 01/07/2014

2.1 Improvements

This section explains the improvements made to existing features

2.1.1 Improved communication protocol

The performance of the communication protocol between Digifort server and its clients has been improved. A new caching system has been implemented to prevent commands that need to be sent repeatedly from using a lot of CPU in the packing / unpacking process.

2.1.2 Multi-thread for PTZ

The PTZ Control subsystem has been enhanced to better utilize the parallelism feature of modern CPUs. This improvement will release a big load from the system core and PTZ commands will be sent faster (For systems with many PTZ cameras).

2.1.3 Multi-thread for Relay

The relay subsystem (The server receives media from cameras and send to clients) has been enhanced to better utilize the parallelism technology of modern CPUs. This change will release a big load from the system core and the performance and fluidity of the relay system should increase significantly for systems with many cameras and many users.

2.1.4 Virtual matrix performance

Through a new caching system, the performance of object update notification from virtual matrix has been enhanced for systems with multiple servers and multiple monitors.

2.1.5 Object update notification performance

Through a new caching system, the performance of the subsystem of object update notification (Whenever an object is updated through the administration client, the surveillance client is automatically updated without the need to reconnect to the server) was improved significantly when many objects are updated simultaneously (For example, when all the cameras are activated).

2.2 Fixes

- Fixed a problem with communication drivers of some D -Link cameras that could generate a buffer overflow on the server
- Fixed an issue in the ONVIF PTZ driver that precluded controlling PTZ cameras using video servers with over 1 channel
- Fixed an issue that could cause the malfunction of the server when accessed through mobile devices (Digifort Mobile Client)
- Fixed a problem in surveillance client with the keyboard controller DGF-KB1000. On multi-monitor systems, when one or more monitors are minimized and the user changes the selected object using the keyboard controller, he may have the feeling that the controller crashed
- Fixed a problem with the drivers Flexwatch communication equipment which could cause internal

server errors

- Fixed a problem with RTSP Digest authentication, where after a successful connection the camera stopped working, the driver can no longer authenticate to reestablish the connection
- Fixed a problem in surveillance client in multi-server environments where the user is viewing an object from a server and the server was disconnected, the system would display the next object, however, when the system established the connection again, the previous object was no longer displayed automatically

Part

3 Prior versions

This section has a history of changes from previous versions, from version 6.7.0.0

3.1 Version 6.7.1.0

Release date: 08/14/2013

3.1.1 Improvements

This section explains the improvements made to existing features

3.1.1.1 Possibility to use over 2GB of memory

The Digifort system is a 32bit software and it is limited to use only up to 2GB of memory. In some systems, 2GB of memory is too little and can cause problems on the recording server, due to this it was added an improvement that tells the operating system to allow the allocation of more memory to the system, and now the limitation of memory is up to 3.5GB in 64bit operating systems and up to 2.5GB in 32bit operating systems.

A 64bit version of Digifort is already under development and should be released soon.

3.1.1.2 New JPEG encoder

A new JPEG encoder was added to be used by mobile applications (iPhone, Android and Digifort Mobile). This new encoder has a much better performance compared to the old one, so the encoding performance for mobile applications is drastically improved, reducing the CPU usage from the server.

3.1.1.3 New JPEG decoder

A new JPEG decoder was added to the system, ensuring even more performance for JPEG image decoding.

3.1.1.4 New image resizer

The image resizer plays a very important role in the live viewing and playback of images, it is responsible for rescaling the images before display. The new image resizer has a much better performance, which will allow for the reduction of CPU usage when displaying video, especially when "Bilinear resizing" is activated.

3.1.1.5 Camera shortcut of Digifort DGF-KB1000 keyboard

The camera shortcut size in DGF-KB1000 keyboard was raised from 5 to 10 characters.

3.1.1.6 Single login for all servers

The login process in surveillance client was modified to ensure better login experience in systems with many registered servers. Now, instead of opening an individual login screen for each server simultaneously, only one screen will be displayed and the provided credentials will be used in all servers. If the login fails in one server, a new login screen will be opened and new credentials will be requested and used to connect to the remaining servers.

3.1.1.7 Disk limit calculation speed

The camera disk limit calculation could be long in systems with many cameras and large volume of recordings. Although the calculation is an automatic and independent task, it could consume a lot of CPU, causing a degradation of server performance. The calculation process has been greatly improved

and will no longer use extra CPU resources.

3.1.1.8 Object updates improvement

Whenever a change is made to objects (Cameras, maps, analytics...) through the administration client, they are instantly sent to all connected clients. In systems with many cameras and many clients, the update process of the objects was using too much server resources, which caused a small system hang. With the new improvements, the system performance will not be degraded even in environments with many users and cameras.

3.1.1.9 Improved media exporting speed

The media exporting speed from surveillance client was highly improved, even in large amounts of video to export, the system will no longer lose the export performance over time.

3.1.1.10 Better memory management of video encoding for mobile devices

The memory management of video encoding for mobile devices (iPhone and Android) has been improved, so after use, the memory will be freed to save system resources. Previously, after the memory was allocated by the decoder, it was not being released, only when the camera was activated again through the administration client.

With this improvement, it was also fixed a problem where old images could still be sent to the mobile device in a new connection.

3.1.1.11 Bilinear resizing in media playback

With the new image resizing engine, it is now possible to use bilinear resizing in media playback to ensure better image quality.

Bilinear resizing will be activated if the option is selected in surveillance client settings.

3.1.1.12 Virtual keyboard in login screen

The virtual keyboard in surveillance client will now be able to be switched directly from login screen. A new icon was added to the bottom-left corner.

3.1.2 New supported devices

3.1.2.1 Media devices

ACTi D61

ACTi D64

ACTi E13

ACTi E34

ACTi E84

AirCam BU-720

AirCam DM-720

Alpha-Digi ADIP-428

Arecont AV12186DN

Arecont AV20185DN

Arecont AV2455DN

Arecont AV3146DN

AVTech AVM265ZN

AVTech AVM302A

AVTech AVM311

AVTech AVM317Z

AVTech AVM328B

AVTech AVM357A

AVTech AVM500

AVTech AVM504

AVTech AVM521

AVTech AVM542

AVTech AVM552

AVTech AVM561

AVTech AVN216Z

AVTech AVN701EZ

Axis M2014-E

Camtron CMNH-135

Comtex EDH-02H

Digimerge DNB14TL2

Digimerge DND13TL2

Digimerge DNV14TL2

Dynacolor W3

Flir DNB14TL2

Flir DND13TL2

Flir DNV14TL2

Foscam FI8620

Foscam FI8906W

Foscam FI9821W

GeoVision GV-BL1200

GeoVision GV-BL120D

GeoVision GV-BL1210

GeoVision GV-BL1300

GeoVision GV-BL130D

GeoVision GV-BL220D GeoVision GV-BL2400

GeoVision GV-BL2410 GeoVision GV-BL320D

GeoVision GV-BL3400

GeoVision GV-BL3410

GeoVision GV-BL5310

GeoVision GV-BX1200

GeoVision GV-BX120D

GeoVision GV-BX120DE

GeoVision GV-BX1300

GeoVision GV-BX130D

GeoVision GV-BX220D

GeoVision GV-BX220DE

GeoVision GV-BX2400

GeoVision GV-BX2400E

GeoVision GV-BX320D

GeoVision GV-BX320DE

GeoVision GV-BX3400

GeoVision GV-BX3400E

GeoVision GV-BX520D

GeoVision GV-BX520DE

GeoVision GV-BX5300

GeoVision GV-BX5300E

GeoVision GV-CA120

GeoVision GV-CA220

GeoVision GV-CAW120

GeoVision GV-CAW220

GeoVision GV-CB220

GeoVision GV-CBW120

GeoVision GV-CBW220

GeoVision GV-FD1200

GeoVision GV-FD120D

GeoVision GV-FD1210

GeoVision GV-FD220D

GeoVision GV-FD2400

GeoVision GV-FD2410

GeoVision GV-FD320D

GeoVision GV-FD3400

0001101011 01 1 20 100

GeoVision GV-FD3410

GeoVision GV-FD5300

GeoVision GV-MDR120

GeoVision GV-MDR220

GeoVision GV-MDR320

GeoVision GV-MDR520

GeoVision GV-MFD120

GeoVision GV-MFD130

GeoVision GV-MFD220

GeoVision GV-MFD320

GeoVision GV-MFD520

GeoVision GV-UBL1211

GeoVision GV-UBL1301

GeoVision GV-UBL2401

GeoVision GV-UBL2411

GeoVision GV-UBL3401

GeoVision GV-UBL3411

GeoVision GV-UBX1301

GeoVision GV-UBX2301

GeoVision GV-UBX3301

GeoVision GV-VD120D

GeoVision GV-VD220D

GeoVision GV-VD320D

Giga Serie IP1000

Giga Serie IP5000

HDL DVR-HM T16

HDL DVR-HM T4

HDL DVR-HM T8

HDL DVR-HM TD16

HDL DVR-HM TD16P

HDL DVR-HM TD8

Hikvision DS-2DF1713B

Hikvision DS-2DF5274A

Intelbras VD 3016

Karbontech KT-IPB2W15

Karbontech KT-IPD01W1

Karbontech KT-IPD02W1

Karbontech KT-IPDO2WDR

LuxVision LV-7204D

LuxVision LV-7208D

LuxVision LV-7216D

Merit Lilin CS-CMIP042X

Merit Lilin IPD112ESX

Merit Lilin IPD2122S

Merit Lilin IPD2220ES

Merit Lilin IPD6122

Merit Lilin IPG1022ES

Merit Lilin IPR320ES

Merit Lilin IPR722ES

Merit Lilin IPR7334/8SX

Merit Lilin IPR7424/8ESX

Merit Lilin IPS025

Merit Lilin IPS622

Merit Lilin IPS722

Merit Lilin IPS836

Merit Lilin IPS936

Merit Lilin LR7022

Messoa NCB858HN5

Messoa NDF821PRO-HN5

NEOip AN-AVM311

NEOip AN-AVM328Z

NEOip AN-AVM359

NEOip AN-AVM521

NEOip AN-AVM542

NEOip AN-AVM552

NetVigi 2M-PIR-IP

NetVigi IP-IRD-100-1.3M

NetVigi NV-SD-IP-PXXX

Newello NW-TA-5704

OnElectronics CSD-13MP 22X

Panasonic BL-VP104WBR

Panasonic WV-SW598

Pelco Spectra S5220-EG0

Planet ICA-HM132

Samsung SNB-5004N

Samsung SND-5084

Samsung SND-6084RP

Samsung SNO-6011R

Samsung SNO-6084RN

Samsung SNP-6200RH

Samsung SNP-6201H

Samsung SNV-6084RN

Siera IPS 8130

Siera IPS 8713HD

Siera IPS 8720HD 2MP

Siera IPS 8720HD 3MP

Siera IPS 8723

Siera IPS 8736

Siera IPS 8835HD

Sony SNC-DH110

- Sony SNC-EB520
- Sony SNC-EM600
- Sony SNC-EM601
- Sony SNC-EM630
- Sony SNC-EM631
- Sony SNC-ER520
- Sony SNC-ER550
- Sony SNC-ER585
- Sony SNC-ER585H
- Sony SNC-VB600
- Sony SNC-VB630
- Sony SNC-VM600
- Sony SNC-VM630
- Sony SNC-ZB550
- Sony SNC-ZM550
- Sony SNC-ZP550
- Sony SNC-ZR550
- Suatech SUAIP 18000
- Suatech SUAIP-B2000
- Suatech SUAIP-D2000
- Surveon CAM6351
- TecVoz IPIR-PTZ36N
- UDP IPX4602HD
- Venetian VNT-4816
- Venetian VNT-7004
- Venetian VNT-7008
- Venetian VNT-7016
- Venetian VNT-7024
- Venetian VNT-7032
- Venetian VNT-7704
- Venetian VNT-7708
- Venetian VNT-9504
- Venetian VNT-9508
- Venetian VNT-9516
- Via Real NNF-811HDU-7-B
- Via Real NNF-813HD-7-B
- Via Real NNF-8313ACHDDM-7-B
- Via Real NNF-8315ACHDD-7-B
- Via Real NNH-8312CHDDVX-7-B
- VISIONXIP AP-3080P-5-60-80M
- VISIONxIP BU-3020P-5-60-30M
- Vivotek FD8151
- Vivotek FE8171
- Wision WS-A8R31-P
- XTS PT720PIR4.3
- Yudor HX22P-360
- ZKTeco ZKIP350
- ZKTeco ZKIP370
- ZKTeco ZKIP472
- ZKTeco ZKIR352
- ZKTeco ZKIR353
- ZKTeco ZKIR372
- ZKTeco ZKIR373

ZKTeco ZKMD352 ZKTeco ZKMD372 ZKTeco ZKMD450

3.1.3 Fixes

- Fixed a problem when printing LPR record which could fail if the user selects "Surrounding camera images" with no associated surrounding camera.
- When downloading the list of camera presets, the interface was not releasing the old records.
- Fixed an issue which prevented the use of fractional dates in analytics reports.
- Fixed a problem with audio input drivers that could generate errors in surveillance client when "Use relay server" was disabled.
- Fixed an issue in camera registration where the default port was not being loaded in the port identification text.
- Fixed a problem with the image server for mobile devices, where a new connection could retrieve old pictures.
- Fixed an issue that could cause the motion detection to stop working if the server was configured to use a second stream for motion detection while using motion detection schedule for specific times.
- Fixed a problem with the RTSP server that could cause the Digifort server to crash.
- Fixed a problem with the generation of events report that could cause the Digifort server to crash.
- Fixed an issue which prevented the use of presets in the maps.
- Fixed an issue with Samsung PTZ drivers that could make the PTZ stop working.
- Fixed a problem that could cause slodowns in video exporting through surveillance client.
- Fixed an internal timer management problem in the server. In rare cases, this problem could cause the system fails.
- Fixed a problem with the video driver of H.263 cameras from Vivotek and D-Link which precluded its use.
- Fixed a rare server crash issue that could arise from multiple user connections.
- When playing back videos from the list of LPR records (In real time), surrouding cameras will now also be displayed.
- Fixed an issue in the ONVIF PTZ driver that could cause the server to crash in case of a camera disconnection.
- Fixed an issue in the ONVIF PTZ driver where the STOP command was not being sent to some camera models.
- Fixed a problem with the ONVIF video driver which precluded its use with video servers or cameras with

multiple lenses

3.2 Version 6.7.0.0

Release date: 04/25/2013

3.2.1 New features

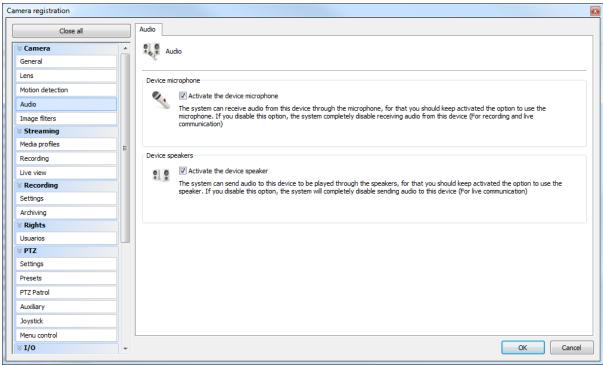
This section contains information about the new features of the system.

3.2.1.1 Audio

Added full support for audio, supporting recording of synchronized audio and video, two way live audio communication and sectorial audio.

Supported audio formats: PCM, G.711, G.726 e AAC

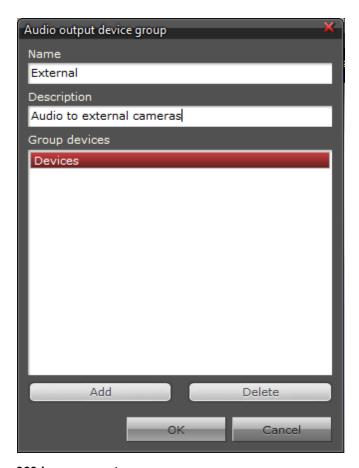
On the camera registration screen, the user can enable or disable the audio input and output for each camera



On surveillance client, a new control was created to listen to audio from the cameras and send audio:



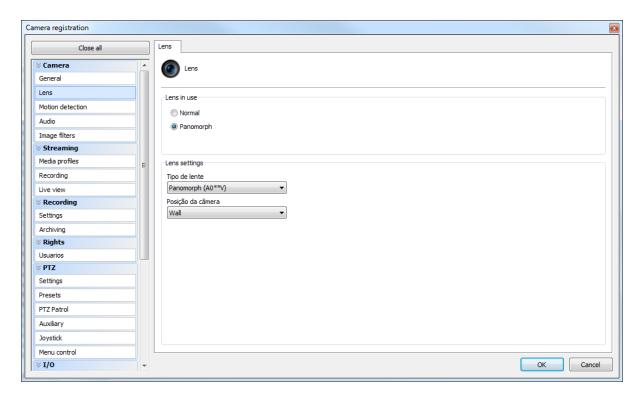
The system allows the creation of groups of audio output devices, this way, the operator can send audio to many cameras simultaneously:



3.2.1.2 360 lens support

The system now have complete support for 360 degree panomorph lenses

On camera configuration screen, the administrator can set the type of lens used on the camera:



The system will perform the software dewarping on camera image, on live images, providing some controls such as quad visualization, area visualization, panorama and virtual PTZ



The same image dewarping controls found in live images can also be used for recorded footage and the exported videos in native format will also have dewarping controls.



3.2.1.3 RTSP Media server

The system now has an integrated RTSP media server. The RTSP Media server can be used to provide media to any media player that supports RTSP protocol (Such as VLC), and can also be used to send media to broadcast servers like Wowza and can also be used by third party systems for easy integration with Digifort.

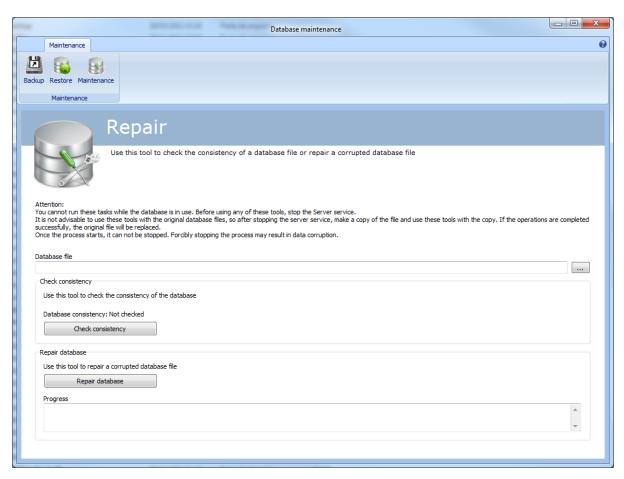
Supported video formats: H.264, MPEG-4 e Motion JPEG Supported audio formats: PCM, G.711, G.726 e AAC

The RTSP server supports sending media over TCP and UDP.

3.2.1.4 Database maintenance

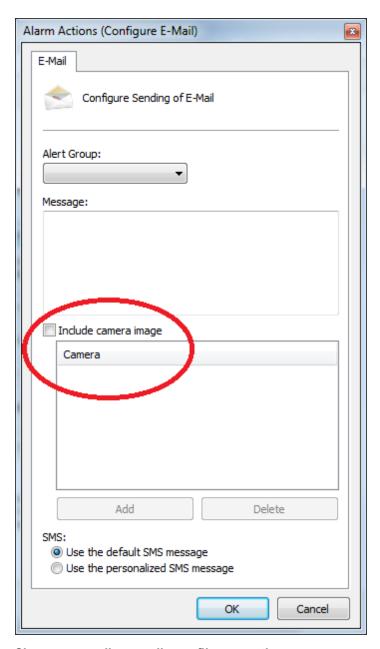
A new sotware for database maintenance was created. With this new software, the administrator will be able to:

- Create a backup from the database
- Restore a database backup
- Repair a corrupted database file



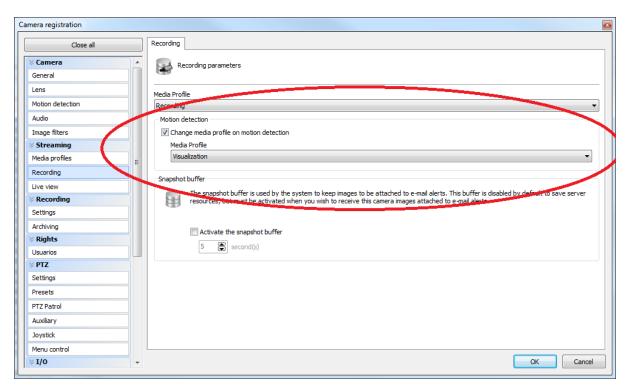
3.2.1.5 Attach camera image on events

The system now allows attaching image from any camera to e-mail alerts, upon the occurrence of any event.



3.2.1.6 Change recording media profile on motion

Due to the new substreaming system, created to support audio, the system will now allow the automatic change of the recording media profile upon motion detection, meaning you can setup a camera to record at low resolution and low frame rate and upon a motion detection, the system will automatically switch the recording media profile to a higher resolution stream with higher frame rate.



3.2.1.7 PTZ Log

The system will not keep records of PTZ usage and blockage on audit.

On surveillance client, the operators will also be able to know, in real time, if any other operator is using the camera PTZ, by way of an icon on PTZ control:



By pointing the mouse button over the icon, the operator will have details of who is using the camera PTZ:

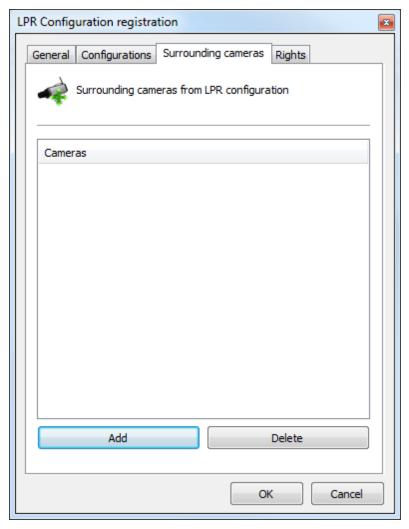


3.2.1.8 LPR

This session contains the description of the new features for LPR.

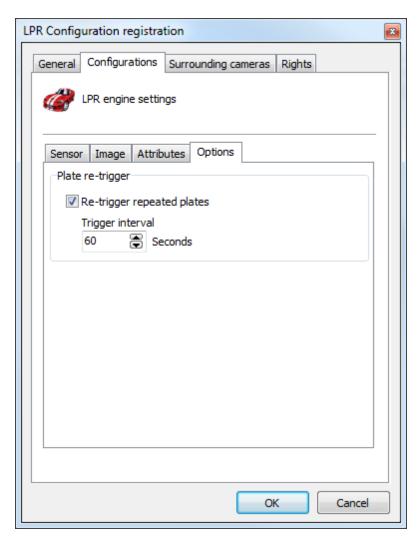
3.2.1.8.1 Surrounding cameras on LPR

On LPR configurations, it is now possible to add surrounding cameras. With this, the user will be able to have reports with the images of surrounding cameras along with the image of main LPR camera.



3.2.1.8.2 Re-trigger repeated license plates

Using the LPR engine "Carmen", a new option to allow the same license plate to be recognized again (In case no other license plate was recognized in between) was added.



3.2.1.9 **Reports**

All system reports were improved with a new reporting engine, allowing new options and a better look.

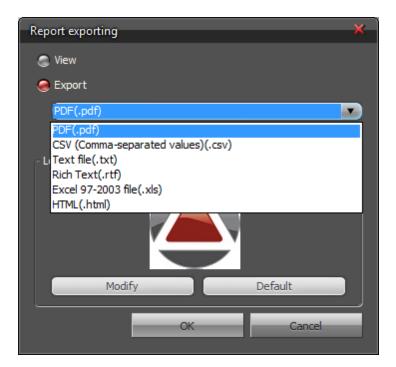
3.2.1.9.1 Change report logo

The system will now allow the operator of surveillance client to change the logo from the reports.



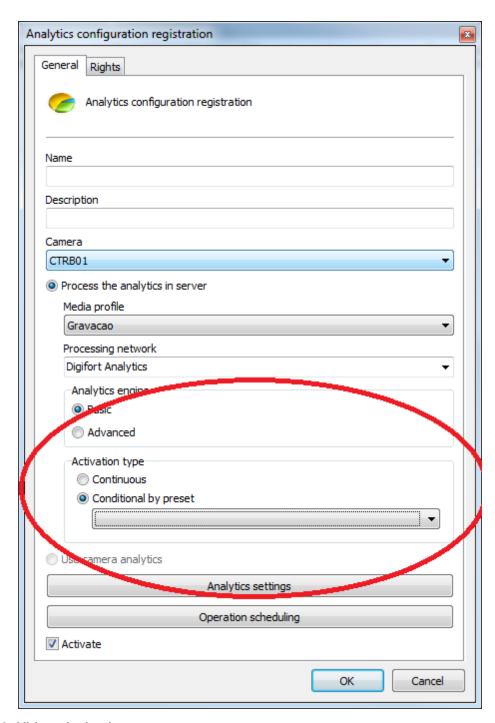
3.2.1.9.2 Exporting in different formats

With the new reporting engine, the system will now allow the exporting of the report to different formats such as PDF, CSV, TXT, RTF, XLS and HTML.



3.2.1.10 Activate analytics by presets

The system now allows the activation of an analytics configuration conditionally by preset. This way, you can define a preset to activate the configuration and it will only work when the camera is positioned on the configured preset.



3.2.1.11 Video playback

New features for video playback and exporting.

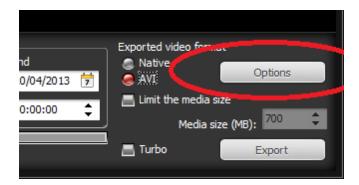
3.2.1.11.1 Jump time in playback

The media player now allows the media to jump X minutes forward or backwards, easing the analysis of recorded footage



3.2.1.11.2 Resizing exported video

On AVI exporting, the used codecs usually do not support all video resolutions supported by Digifort, due to that, a new option to allow the resizing of the video before exporting was added, ensuring better compatibility with codecs.





3.2.1.12 Individual PTZ control rights

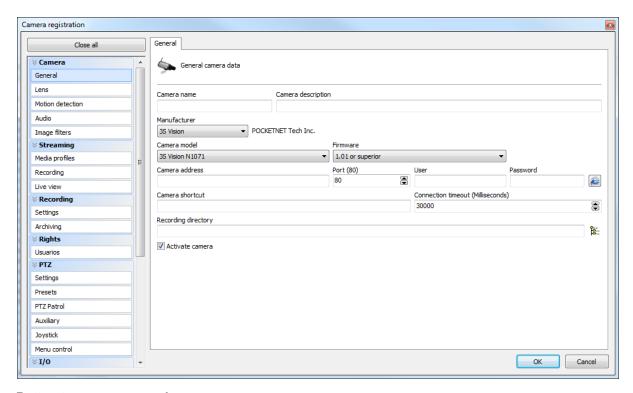
The system now allows the operator to configure rights for PTZ control individually per user and user group. This way, each camera will have a different set of PTZ rights for different users.

3.2.2 Improvements

This section explains the improvements made to existing features

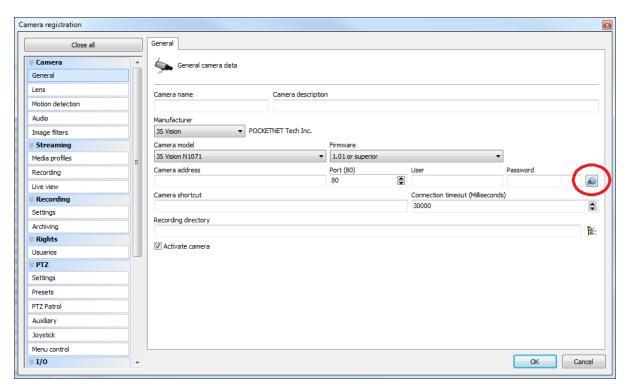
3.2.2.1 New camera registration screen

A new camera registration screen was created, with a new clean, intuitive and organized design



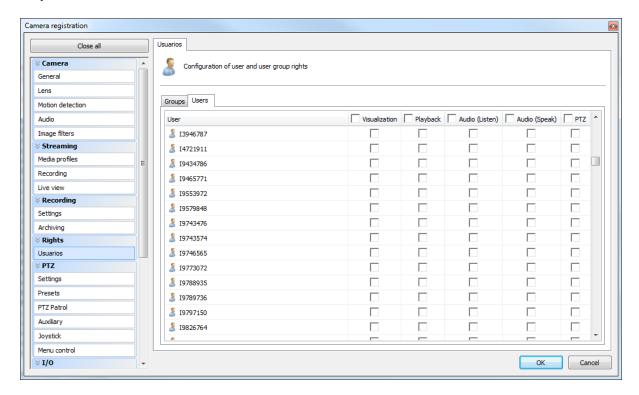
3.2.2.2 Button to open camera browser

On camera registration screen, a new button to open the webbrowser with the camera address was added:



3.2.2.3 User rights on cameras

A new way of managing user rights to cameras was created, in order to unify all rights on a simple and easy to understand interface:

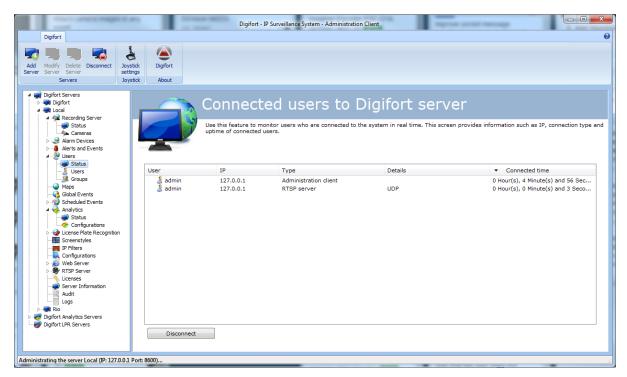


3.2.2.4 Connection unification

A new connection architecture was created to unify the user connections with the various system servers (Access, RTSP, HTTP API and Web Server).

3.2.2.4.1 User connection status

With the new connection system, a new feature that allows the administrator to view in a single screen, the connection from all users from all internal system modules was added:



3.2.2.4.2 Automatic user disconnection

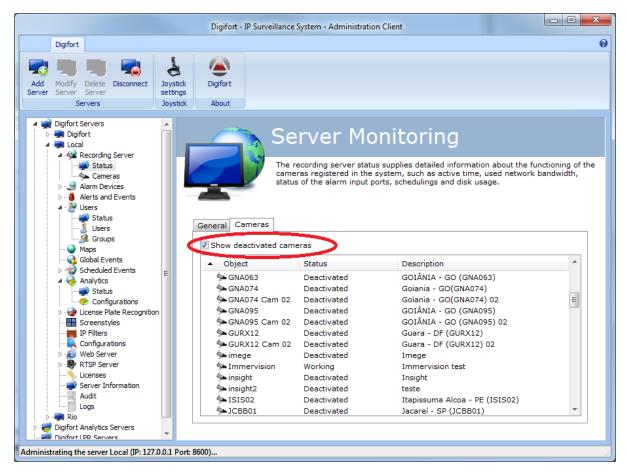
The system will now automatically disconnect connections that become invalid due to restrictions such as login time, IP or account blockage. Thus, if a user has any login restriction, it will be automatically disconnected when this condition is met. Example: The user "operator" is set to not be able to log into the system after 18:00, so if the operator connects at 17:50 he can stay logged in for 10 minutes because he will be automatically disconnected at 18:00

3.2.2.5 Player copying message

In video exporting in native format after export, the system copies the files from the player, but in previous versions it was not informing the user about this copy and this could give the impression that the export was already completed. Now when copying files from the player, the system will display an informational message to the operator.

3.2.2.6 Deactivated cameras on status

In camera status screen, on administration client, the system will now allow displaying deactivated cameras:



3.2.2.7 Video playback

Improvements of playback and video exporting

3.2.2.7.1 Performance improvement

The performance of video playback was drastically improved to support synchronization between audio and video. Thus, the speed of video playback is much better compared to previous versions.

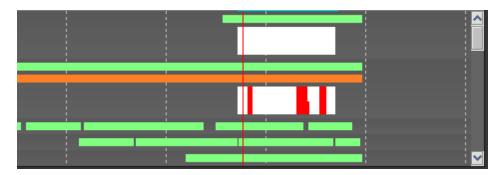
The performance of video export has also been improved, and it has been added a new "Turbo" export option, to further accelerate the process.

3.2.2.7.2 Time selection

On date selection for playback, when selecting the initial date, the system will automatically set the final date, speeding up the process of time selection.

3.2.2.7.3 Timeline improvements

The media player timeline has been enhanced to remove the unnecessary spaces if no motion detection information is present, thereby the timeline control is more compact, providing only the relevant information to the current time.



3.2.2.8 System resources

The internal system architecture has been enhanced to use less operating system resources, ensuring higher performance and greater number of cameras per server.

3.2.2.9 TCP Communication

Improved the architecture of TCP / IP communication with multi-thread. Now the processing of TCP / IP communication with the cameras will be multi-threaded, removing processing bottlenecks of systems with high data traffic.

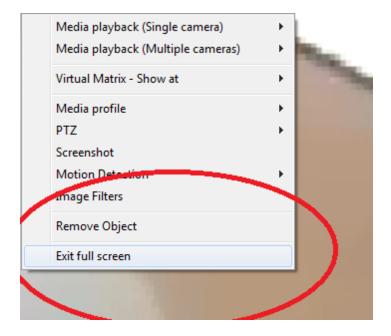
3.2.2.10 Date and time on operator answers to events

Added date and time in the responses of operators from events generated by the system. In the event query in surveillance client, now appears the date and time of when the operators responded to the event, allowing the administrator to measure the time spent by the operator to check the event.

3.2.2.11 Exit from full screen with mouse

Added a new option to exit from full screen with the mouse. Previous versions only allowed to exit the full screen by pressing the ESC key, but on systems without a keyboard this could cause problems.

To exit full screen, the user now just have to right click and select "Exit full screen"



3.2.2.12 Database backup

The performance of database backup was improved, finishing the backup task faster and avoiding database file corruptions due to a long backup process.

3.2.3 New supported devices

3.2.3.1 Media devices

3S Vision N5013

3S Vision N6013

3S Vision N6033

AirCam CU-720PIR

AirCam CW-720

AirCam OD-2050HD

AirCam OD-2060HD

AirCam POE-5010HD

Alpha-Digi ADIP-257

Alpha-Digi ADIP-301

Alpha-Digi ADIP-328

Alpha-Digi ADIP-357

Alpha-Digi ADIP-359

Alpha-Digi ADIP-459

Alpha-Digi ADIP-565

Alpha-Digi ADIP-IVS-80X

Alpha-Digi ADIP-IVS-801

Alpha-Digi ADIP IVS-812

Alpha-Digi SD820-20

Appro LC-7513

Appro LC-7516

Appro VS-2401

Arecont AV10115

Arecont AV115

Arecont AV20365

Arecont AV2255AM

Arecont AV5125IR

Arecont AV8180

ARH ParkIT

AVer SF2012H-B

Avigilon 1.0W-H3-DP20

Avigilon ENC-4P-H264

AVTech AVM 328B

AVTech AVM 357A

AVTech ADIP IVS80X

AVTech AVN812

AVTech AVI217Z

AVTech AVM301

AVTech AVM359

AVTech AVM459

AVTech AVM565

AVTech AVN257ZN

AVTech AVN801

- Axis M1013
- Axis M1014
- Axis M1033-W
- Axis M1034-W
- Axis M1143-L
- Axis M1144-L
- Axis M3004-V
- Axis M3005-V
- Axis M3006-V
- Axis M3007-P
- Axis M3007-PV
- Axis P1353
- Axis P1354
- Axis P1353-E
- Axis P1354-E
- Axis P3353
- Axis P3354
- Axis P3363-V
- Axis P3363-VE
- Axis P3364-V
- AXIS F 3304-V
- Axis P3364-LV
- Axis P3364-LV-E
- Axis P3364-VE
- Axis P3384-V
- Axis P3384-VE
- Axis P5544
- Axis Q1604
- Axis Q1604E
- Axis Q1922-E
- Axis Q6032-C
- Axis Q6034-C
- Axis Q6035C
- Basler BIP2-1000C
- Basler BIP2-1000C-DN
- Basler BIP2-1280C
- Basler BIP2-1280C-DN
- Basler BIP2-1300C
- Basler BIP2-1300C-DN
- Basler BIP2-1600-25C
- Basler BIP2-1600-25C-DN
- Basler BIP2-1600C
- Basler BIP2-1600C-DN
- Basler BIP2-1920C
- Basler BIP2-1920C-DN
- Basler BIP2-2500C
- Basler BIP2-2500C-DN
- Basler BIP2-640C
- Basler BIP2-640C-DN
- BiKal BKE-KIP-TIR2000H
- Bosch Dinion NBN-921-2P
- Bosch Dinion NER-L2R1-1
- Bosch Dinion NER-L2R1-2
- Bosch Dinion NER-L2R2-1

- Bosch Dinion NER-L2R2-2
- Bosch Dinion NER-L2R3-1
- Bosch Dinion NER-L2R3-2
- Bosch Dinion NER-L2R4-1
- Bosch Dinion NER-L2R4-2
- Bosch Dinion NER-L2R5-1
- Bosch Dinion NER-L2R5-2
- Bosch KBE498V7520N
- Bosch NBC-225-P
- Bosch NTC-265-PI
- Bosch NTC-255-PI
- Brickcom CB-300Ap
- Brickcom CB-302Ap
- Brickcom CB-300Ap
- Brickcom FD-202Ap
- Brickcom FD-302Ap
- Brickcom MB-300Ap
- Brickcom MD-300AP
- Brickcom MD-300Np
- Brickcom OB-200Af
- Brickcom OB-300Ap
- Brickcom OB-302Ap
- Brickcom OB-300Np
- Deigles and OD 200Ns
- Brickcom OB-302Np
- Brickcom OB-302Np
- Brickcom GOB-300Ap
- Brickcom GOB-302Ap
- Brickcom GOB-300Np
- Brickcom GOB-302Np
- Brickcom VD-302Ap
- Brickcom VD-300Np
- Brickcom VD-302Np
- Brickcom WCB-300Ap
- Brickcom WCB-302Ap
- Brickcom WMB-300Ap
- Brickcom WOB-300Ap
- Brickcom WOB-302Ap
- Brickcom WOB-300Np
- Brickcom WOB-302Np
- Bycon BSA-H1600
- Certis NDF-3100FH IP
- Certis NDF-3300RFH IP
- Certis NDV-4100HD IP
- Clear CLMP2
- Clear CLMP5
- Cohu 3920SD
- Comtex ION E100
- Comtex ION E400
- Compro CS400
- Compro IP400
- Compro IP550
- Compro IP90
- Compro NC1200

Compro NC2200

Compro NC3230

Compro NC4230

Compro TN50

CWBcam C1030

CWBcam GE-100-CB

Dahua SD-6582A-HN

Dahua SD-6582AN-HN

D-Link DCS-930L

D-Link DCS-2103

D-Link DCS-2130

D-Link DCS-2210

D-Link DCS-5222L

D-Link DCS-6113

D-Link DCS-6113V

D-Link DCS-6815

D-Link DCS-6817

D-Link DCS-942L

DMZ 9800N

DMZ 9801B

DMZ 9801N

DIVIZ 900 IIN

DMZ 9802B DMZ 9802C

DMZ 9803C

DMZ 9803C-MPC-WDRD

DMZ 9803D-MPC

DMZ 9803H-MPS-IR8

DMZ 9803L-IR

DMZ 9803-MPC-TH

DMZ 9803-MPS

DMZ IPDN18FH

DMZ IPDN20FH

Dotix IB2-M136/N

Dotix ID3-M136/N

Dotix SD-6580HN/H

Dotix SD6623 HN/N

Dotix SD6630 HN/N

Dotix SD6636 HN/N

Dynacolor DH820eA3

Dynacolor W2

Dynacolor W5

Dynacolor W6

EagleVision EEN-C54N1X

EagleVision EEND-60V2AVP

EagleVision EEN-DX60V5VP

EagleVision EEN-E5804D

EagleVision EEN-IR52N-VF515

EagleVision EEN-MH13W1X

EagleVision EEN-SESG33WV

EasyN HS-696L-B0L7

Elbex ELPCU1/3-12IR

Eneo NXC-1602M

Euresys Picolonet HD-41656

Everfocus EAN3260

Everfocus EAN3300

Flexwatch FW-117X-MX

Flexwatch FW-1173DS

Flexwatch FW-1173DSE

Flexwatch FW-1173MS

Flexwatch FW-1173MSE

Flexwatch FW-1174MC

Flexwatch FW-1174MO

Flexwatch FW-1174VC

Flexwatch FW-1175DV

Flexwatch FW-1175DS

Flexwatch FW-1175FV

Flexwatch FW-1175FX

Flexwatch FW-1175MS

Flexwatch FW-1175MV

Flexwatch FW-1176DS

Flexwatch FW-1176DV

Flexwatch FW-1176FSE

Flexwatch FW-1176FV

Flexwatch FW-1176FX

Flexwatch FW-1179FV

Flexwatch FW-1176MS

Flexwatch FW-1176MV

Flexwatch FW-1179MV

Flir PT-A3 series

Foscam FI8601W

Foscam FI8904W

Foscam FI8905W

Foscam FI8907W

Foscam Fl8916W

Foscam Fl8909W

Foscam Fl8910W

Foscam FI9820W

GeoVision GV-SD200

Gerp BVE-2M-309

Gerp CB-2M-SL

Gerp DVI-2M-309

Gerp MDI-2M-28

Gerp SDE-2M-18X

Grandstream GXV3500

HDL HMEG-70

HDL HMEG-70DVIR

HDL HMEG-70P

HDL HMEG-70W

HDL HMEG-80PIR

HDL HMS1

Hikvision DS-2CD754FWDEI

Hikvision DS-2CD8264FWDEIS

Hikvision DS-7204HVI-ST

Hikvision DS-7208HVI-ST

Hikvision DS-7216HVI-ST

Hikvision DS-8116HFI-ST

Hikvision DS-9004HFI-ST

Hikvision DS-9008HFI-ST

Hikvision DS-9016HFI-ST

Histream HH9800N

Histream HH9801B

Histream HH9801N

Histream HH9802C

Histream HH9803C-MPC-WDRD

Histream HH9803C

Histream HH9803D-MPC

Histream HH9803H-MPS-IR8

Histream HH9803L-IR

Histream HH9803-MPC-TH

Histream HH9803-MPS

Hitron HDG-M120

Hitron HDG-T322

Hitron HDSA411

Hitron HEB-M120

Hitron HEBT320

Hitron HEV0108H

Hitron HEV2MPN1

Hitron HNS-S113J

Hunt HLC-1NBD

Hunt HLC-1WBDF

Hunt HLC-81CD

Hunt HLT-S30

iMege B3210E

Imege G3211E

Imege N3211E

Infinova V2511-N1D0

Infinova V2512-K

Infinova V6201-N0320

Infinova V6202-T0220

Intelbras VD 4D1 120M

Intelbras VD 4E 120C

Intelbras VD 8D1 240M

Intelbras VD 8E 240C

Intelbras VD 16D1 480M

Intelbras VD 16D1 480H

Intelbras VD 16E 480C Intelbras VIP E3220

Intelbras VIP E5220

Intelbras VIP S-3120

Intelbras VIP S-4100

Intelbras VIP S-4120

Intelbras VIP SD13M 18X iSmart DOME720PIP

iSmart Serie Is

Golbong HD251

Golbong HD311R

Golbong HD321

Golbong HD321R

Golbong HD3212R

Golbong HD511

Golbong HD611R

Golbong HD621

Golbong HD621R

Golbong HD811K

Golbong N301(F)

Golbong N9601E

Golbong NAP21XX

Golbong NAP21XXIR

Golbong NAP22

Golbong NAP416IR

Golbong GB-9616C-C

Golbong GB-9632F-S

Golbong GB-N9624K-E

JVC VN-H137U

JVC VN-H157WPU

JVC VN-H237U

JVC VN-H237VPU

JVC VN-H257U

JVC VN-H257VPU

JVC VN-H37U

JVC VN-H57U

JVC VN-H657

JVC VN-T16U

JVC VN-T216VPRU

KODO PRO KDR-04HR

KODO PRO KDR-08SR

KODO PRO KDR-16LF

Kompsos K16480L

Kompsos K4120L

Kompsos K8240L

LG LE4016

LG LNB3100

LG LNB5100

LG LND3100

LG LND5100

LG LNP2800

LG LNP2800I

LG LNP2810

LG LNP2810T

LG LNP3700T

LG LNV5100

LG LRH7080D

LG LRH7160D

LG LW9228I

LG LW9422

LS VISION LS HD Fixed

LS VISION LS HD Speed Dome

LS VISION LS SD Fixed

LS VISION LS SD Speed Dome

LuxVision LV-IP75-2M

LuxVision LV-IP5056HS

LuxVision LV-06D

LuxVision LV-6NVR

LuxVision LV-216

LuxVision LV-716E

Messoa NCC800

Messoa NCC800E

Messoa NCC800WL

Messoa NCR870E

Messoa NDF820E

Messoa NDF821E

Messoa NDF831E

Messoa NDR891E

Messoa NCB855E

Messoa NCR875E

NV-SD-IP-PXXX

Oncam GE-IP-001

Oncam GE-IPP-001

Oncam GE-IPS-001

Optiview FHDCC2M

Optiview FHDCC3M

Optiview FHDCC3MWP

Optiview HD2MPTZ20

Optiview HD2MPTZ20IR

Optiview HDB1M

Optiview HDB2MVF

Optiview HDB3MVF

Optiview HDCC1MWP

Optiview HDCC2M

Optiview HDCC5M

Optiview HDD1MA

Optiview HDD2MA

Optiview HDD3MIA

Optiview HDDCC3M

Optiview VR4LT

Optiview VR8LT

Optiview VR8LTA

Optiview VR16EM

Optiview VR16LT

OTN 2500 X3M

Panasonic BL-C210

Panasonic DG-SF438

Panasonic DG-SW458

Panasonic DG-SW458M

Panasonic WV-SF438

Panasonic WV-SW458

Panasonic WV-SW458M

Pelco ES41E36-5W

Pelco IL10-DP

PosonicGeye HCN-SP900

PosonicGeye HCN-T-RC6310

PosonicGeye HCN-T-RC6320

PosonicGeye HCN-T-RC6510

PosonicGeye HCN-T-RC6520

PosonicGeye HCN-T-RC6910

PosonicGeye HCN-T-RC6920

Pumatronix ITSCAM-403LM84

Samsung SNB-5001

Samsung SNB-6003N

Samsung SNB-6004N

Samsung SNB-7001P

Samsung SNB-7002N

Samsung SND-5010P

Samsung SND-5011

Samsung SND-5061

Samsung SND-6083N

Samsung SND-6084N

Samsung SND-7011P

Samsung SND-7061

Samsung SND-7082N

Samsung SNO-7082R

Samsung SNP-5300N

Samsung SNP-6200H

Samsung SNV-7082P

Samsung SRD-1650

Samsung SRD-1670

Shany SNC-WD2322DN

Siera IPS 8420

Siera IPS 8600

Siera IPS 8720HD

Sony SNC-ER580

Sony SNC-VB600B

Sony SNC-VM600B

Sony SNC-VM630B

Sunell SN-IPC54/12EDN

Sunell SN-IP-C54/12EDN

Sunell SN-IPC54/12DN

Sunell SN-IPC54/12FDN

Sunell SN-IPV54/12DN

Sunell SN-IPV54/12DR

Sunell SN-IPD54/12VDN

Sunell SN-IPD54/12VDR

Sunell SN-IPV54/12UDN

Sunell SN-IPV54/12UDR

Sunell SN-IPR54/12DN

Sunell SN-IPR54/12ANDN

Sunell SN-IPV54/12ZDR

Sunell SN-IPR54/12ALDN

Sunell SN-IPR54/12AKDN

Sunell SN-IPC54/14EDN

Sunell SN-IPR54/14AKDN

Sunell SN-IPR54/14APDN

Sunell SN-IPD54/14VDN

Sunell SN-IPV54/14ZDR

Sunell SN-IPV54/14UDN

Sunell SN-IPV54/14UDR

Sunell SN-IPR54/14ALDN

Sunell SN-IPC54/11DN

- Sunell SN-IPC54/11EDN
- Sunell SN-IPC54/11FDN
- Sunell SN-IPV54/11DN
- Sunell SN-IPV54/11DR
- Sunell SN-IPD54/11VDN
- Sunell SN-IPD54/11VDR
- Sunell SN-IPV54/11UDN
- Sunell SN-IPV54/11UDR
- Sunell SN-IPR54/11DN
- Sunell SN-IPR54/11ANDN
- Sunell SN-IPV54/11ZDR
- Sunell SN-IPR54/11ALDN
- Sunell SN-IPR54/11AKDN
- Sunell SN-IPR54/11APDN
- Sunell SN-IPC54/00DN(II)
- Sunell SN-IPC54/00EDN
- Sunell SN-IPC54/00FDN
- Sunell SN-IPV54/00DN(II)
- Sunell SN-IPV54/00DR(II)
- Sunell SN-IPD54/00VDN
- Sunell SN-IPD54/00VDR
- Sullell SIN-IF D34/00 V DIX
- Sunell SN-IPV54/00UDN
- Sunell SN-IPV54/00UDR
- Sunell SN-IPR54/00DN
- Sunell SN-IPR54/00ANDN
- Sunell SN-IPV54/00ZDR
- Sunell SN-IPR54/00ALDN
- Sunell SN-IPR54/00AKDN
- Sunell SN-IPC54/51DN
- Sunell SN-IPC54/51EDN
- Sunell SN-IPC54/51FDN
- Sunell SN-IPV54/51DN
- Sunell SN-IPV54/51DR
- Sunell SN-IPD54/51VDN
- Sunell SN-IPD54/51VDR
- Sunell SN-IPV54/51UDN
- Sunell SN-IPV54/51UDR
- Sunell SN-IPR54/51DN
- Sunell SN-IPR54/51ANDN
- Sunell SN-IPV54/51ZDR
- Sunell SN-IPR54/51ALDN
- Sunell SN-IPR54/51AKDN
- Sunell SN-IPC54/50DN
- Sunell SN-IPC54/50EDN
- Sunell SN-IPC54/50FDN
- Sunell SN-IPV54/50DN
- Sunell SN-IPV54/50DR
- Sunell SN-IPD54/50VDN
- Sunell SN-IPD54/50VDR
- Sunell SN-IPV54/50UDN
- Sunell SN-IPV54/50UDR
- Sunell SN-IPR54/50DN
- Sunell SN-IPR54/50ANDN

Sunell SN-IPV54/50ZDR

Sunell SN-IPR54/50ALDN

Sunell SN-IPR54/50AKDN

Sunell SN-IPC54/20BDN

Sunell SN-IPC54/20EDN

Sunell SN-IPC54/20FDN

Sunell SN-IPV54/20DN

Sunell SN-IPV54/20DR

Sunell SN-IPD54/20VDN

Sunell SN-IPD54/20VDR

Sunell SN-IPV54/20UDN

Sunell SN-IPV54/20UDR

Sunell SN-IPR54/20UDN

Sunell SN-IPR54/20ANDN

Sunell SN-IPV54/20ZDR

Sunell SN-IPR54/20ALDN

Sunell SN-IPR54/20AKDN

Sunell PS54/70DN/Z18

Sunell IPS54/70DN/ZR18

Sunell IPS54/70DR/Z18

Sunell PS54/70DR/ZR18

Sunell IPS54/80DN/ZN20

Sunell IPS54/80DR/ZN20

Sunell IPS54/60DN/Z18

Sunell IPS54/60DN/Z28

Sunell IPS54/60DN/Z36

Sunell IPS54/60DN/ZS22

Sunell IPS54/60DN/ZS36

Sunell IPS54/60DR/Z18

Sunell IPS54/60DR/Z28

Sunell IPS54/60DR/Z36

Sunell IPS54/60DR/ZS22

Sunell IPS54/60DR/ZS36

Sunell SN-IPC54/40EDN-5MP

Sunell SN-IPR54/40AKDN-5MP

Sunell SN-IPR54/40APDN-5MP

Sunell SN-IPD54/40VDN-5MP

Sunell SN-IPV54/40UDN-5MP

Sunell SN-IPV54/40UDR-5MP

Sunell SN-IPC54/40EDN-3MP

Sunell SN-IPR54/40AKDN-3MP Sunell SN-IPR54/40APDN-3MP

Sunell SN-IPD54/40VDN-3MP

Sunell SN-IPV54/40UDN-3MP

Sunell SN-IPV54/40UDR-3MP

Sunell VSR5401

Surveon CAM1300

Surveon CAM1301

Surveon CAM1320

Surveon CAM2101

Surveon CAM2300

Surveon CAM2301A

Surveon CAM2311

Surveon CAM2311P

Surveon CAM2321

Surveon CAM2400

Surveon CAM3351

Surveon CAM3361

Surveon CAM3365

Surveon CAM3371

Surveon CAM4110

Surveon CAM4160

Surveon CAM4310

Surveon CAM4311

Surveon CAM4321

Surveon CAM4360

Surveon CAM4361

Surveon CAM4365

Surveon CAM4371

Surveon CAM6180

Surveon CAM6181

Tecvoz HLC-84BV

Teki TK-2M342

Teki TK-2M410/20

Teki TK-2M430/20

Teki TK-2M440/20

Teki TK-2M722

Teki TK-2M837

Thor Security TH-EC3016

Tiandy NC9100S3-3MP-IR30

Topview A300DIZ-DN-HPD-09

UDP NVC110

UDP NVC1000HD

UDP IPN100HD

UDP IPN1202HD

UDP IPN2102HD

UDP IPN3102HD

UDP IPN6602HD

UDP IPX3302HD

UDP IPX3702HD

UDP ITC1100

Venetian ENC-D1A

Venetian IP-7515

Venetian Mini-2MEGA

Venetian SEP-IP-36550

VISIONxIP BU-1330P-5-60-30M

VISIONxIP MD-1330P-B3

VISIONxIP VS-1001

Vivotek CC8130

Vivotek FD8131

Vivotek IP8361

Vivotek PT8133

VTV IPNV02

XTS BU2MPDNVF

XTS NVS-21

XTS SD20XDN2MP-WIP

XTS SD36XDNP-WIP Yoko RYK-IP3802 Yoko RYK-IP5831 ZKTeco ZKMD470

3.2.3.2 Alarm devices

Aviosys IP Power 9211 Delux Aviosys IP Power 9212 Delux Aviosys IP Power 9222 Delux

3.2.4 Fixes

- Fixed a problem that could cause the server to log errors in the server log containing the message that the command CMD_VIRTUAL_MATRIX_CLIENT_MONITORS has failed
- Removed real-time camera information from synoptic map. Critical information such as address of the camera, recording days and status of I/O will now be displayed only to the user admin
- Fixed an issue that could cause the server to hang while archiving was in progress
- Fixed all the mass object configuration screens (Right click, using the administration client) to load the data from the selected object
- If a user clicks on a camera of a synoptic map of which he has no rights to view, an error message will be displayed
- Fixed a problem with the video driver from Bosch that could "break" the video
- The administration client was allowing the user to create subdirectories for video recording containing blank characters at the beginning and end of the subdirectory name, which prevented the recording of images, generating errors in recording
- Fixed an issue in the media driver of Dahua and Intelbras devices that could cause the server to hang
- Fixed an issue that could cause the loss of the recordings of the cameras recorded on a remote drive (NAS) if the server went into operation before the unit
- Fixed a problem with the usage of mapped drives (NAS) where the system did not map the recordings of the cameras if the unit became online after the server had been loaded
- Automatic updating of files (Package translation) was not being completed successfully in stations with restricted rights for writing files in the installation directory of the system
- The installation of the standard edition was not including the image files of map objects
- The screen to capture of fingerprint of the user (For biometric access) was displaying a new finger (sixth right finger) erroneously
- The media will no longer open maximized when set to open on a specific monitor
- When the user minimizes surveillance client with the minimize button in the tray, the system icon in the taskbar will be removed

- Fixed a problem of the database that video recording that was preventing the recording frame rates low as 1 frame per hour or less
- Fixed a problem that could cause the surveillance client to crash on systems with many maps (Above 100 synoptic maps)
- Fixed a problem in the driver of FLIR cameras where if the camera was restarted, the system did not perform the reconnection
- Fixed a performance issue in database
- Fixed a problem with the video driver from D-Link DCS-6818
- Fixed a problem with the presets of the Zavio V111T video server
- Fixed an issue with PTZ camera LG LW9228 that did not work with the protocol Multix
- Fixed a problem with the video driver of the equipment Traficon VIPTBox which prevented the use of this device
- Fixed some issues with the ONVIF driver they prevented its use with some devices
- Fixed an issue on the surveillance client that allowed the user to open many instances of multi-monitor, causing the system to crash
- Improved communication architecture with KODO-16SR DVR
- Fixed a problem with the PTZ driver of camera FLIR PTZ35X140MS
- Fixed a problem with the PTZ driver of camera Zavio M511E
- Fixed an issue that could cause Internet Explorer to crash when used for viewing with ActiveX plugins
- Fixed a problem with the basic analytics that prevented the firing of alarm actions
- Updated integration with embedded analytics of UDP cameras
- Fixed an issue that allowed the user to drag a camera from media player (video playback) to the main screen of Digifort
- Fixed an issue in the search of event records when using a client from a higher edition (Enterprise) connected to a server from a lower edition (Standard)
- Fixed translation problems in ActiveX controls
- Fixed a small problem in the search interface of audit records that displayed the wrong number of records