



Designed for
Simplicity



It is simple to learn

No Ongoing Fees

Smart Connect | ZI Dashboard | Metadata | AI Revolution

A crucial factor that can decide the efficiency of a surveillance system in any vertical is your choice of components. While this sounds relatively straightforward, the reality is that the increasing number of products in the market makes it difficult for customers and integrators to decide what they should buy.

The question of whether to use a VMS server instead of the standalone proprietary hardware-based solution is one such.

There are certain benefits to using a VMS server instead of a standalone proprietary hardware-based solution. The short version is that having a server and VMS (Video Management System) instead of a standalone proprietary hardware-based solution is that a server and VMS will offer more functionality, flexibility, resilience, storage, throughput, and, on a larger system, stability.

Scalability

A significant advantage of a VMS is the level of adaptability to new technology that it offers. Typically a hardware device with embedded software – is very much a “one size fits all” system. With a specialized VMS solution, you get to select the software that suits you, your application, and the people who actually use the system every day.

Digifort tries to understand not only current but future requirements so that the solution can scale to technology upgrades such as new features, new technology, additional cameras, increasing resolutions, and video analytics. The options of doing that with a standalone proprietary hardware-based solution remain limited. Servers are easily adaptable and upgradeable if you need a different software solution.

With VMS you can invest in a well-designed enterprise system, correct server selection that can offer massive advantages in terms of system design and efficiency, power consumption, and optimized servers for HD surveillance that can process up to 4000 Mbps of camera traffic with over 1 Petabyte of on-board useable storage in just 4U as an example.

Servers could also help customers easily scale up their infrastructure, enabling easy addition of components at a reasonable cost.

Support for

90% of the network

cameras on the market
today

Making advanced Digifort VMS even more advanced

Through its dynamic development over the last 5 years, Digifort is already an advanced VMS. But the release of our new 7.4 is making Digifort even more advanced with a huge list of new features and improvements.



We are Dynamic

In our core
development

Meeting user demands for a more intuitive and easy interface to very enterprising and complicated VMS solutions.

When it comes to an enterprising Video management System, the owner must consider a number of things. They must focus on who is actually using the system daily.

It must be intuitive. You follow your logic on how it should be done, and the system should work that way, that is “Intuitive.”

No matter what features you are accessing, it should be easy with a very little number of clicks. It should also be carried out while always having your eyes on the live view.

Digifort is intuitive enough to make anyone a power user under 20mins.

How machine, deep learning is making video analytics smarter

Traditional analytics are based on both hardware and intelligent video analysis software. These systems generally consist of information collection modules (e.g., sensors, cameras, license plate readers, etc.), information to analytic server/s that collect, process and distribute useful information to users or alerts to security personnel.

Video analytics based on standard computer vision cannot reach their full potential.

Demand for higher accuracy has become increasingly forthright to what is very complex technology. The new technique of Deep Learning has revolutionised this technology and has caused huge advancement in any type of analytics in the market today.

Traditionally, video analytics were done at the centralised processing unit but today, an Edge-based advanced video processing has also had a positive impact.

Especially in urban areas, the presence mostly of distributed architectures with insufficient network coverage has encouraged onboard analysis solutions in case of new supplies.

Digifort supports:

- Server-based Analytics
- Edge-based AI Analytics

Digifort has two of the world’s best AI-Based Video Analytics engines.

- IPX Analytics
- VCA Applied Technology

Effective decision-making is requiring more efficient subsystems. They allow security managers to make and take quicker, more effective decisions and actions, which are enabled by new sources of data and new technologies.

Guide guards on how to best respond to real-time events generated by:

- Analytical events
- Access control events
- Intrusion detection system events
- Fire or smoke events
- Technical issues
- Breakdowns

This is aided by fully Automated:

- Live video streams from any associated cameras
- Image snapshots
- Audio messages/alarms
- Automatic playback with customizable pre and post time period
- Snapshots from any associated cameras each 1 second apart
- Trigger a pre-set of a PTZ
- Escalate it to another security operator
- Plus more, fully customizable

**Unparalleled efficiency,
and productivity.**



So the guard and the system can provide prescriptive and consistent responses to incidents, with fewer human errors.

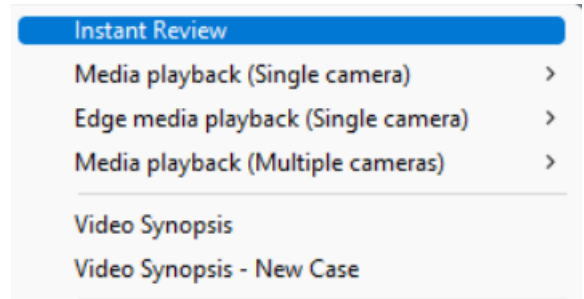
Re-shaping traffic Management

Traffic management has become increasingly complex, though, as rapid urbanisation results in increased road congestion. It has caused a “change in behaviour on how people commute and move.

This increasing complexity is moving agencies into the need for a better understanding of the new patterns and challenges of how people and vehicles are moving and how to manage demand.

Digifort is fully integrated with-----**Briefcam Video Synopsis**----

It is infact, embedded into our platform.



Cyber Defence

Cybersecurity and privacy

With video moving more and more towards IP, cybersecurity inevitably becomes the main concern. Partnering with trusted vendors to help protect your organization is important. Any device you put on your network or anyone you work with should be backed by a comprehensive cybersecurity strategy. This will help ensure that your system is bolstered against potential attackers.

Closely related to cybersecurity is the issue of privacy. “You need to deploy solutions that protect privacy by design. This includes secured authorization as well as encryption for video streams in transit and at rest”.

Over view:

- Comprehensive Encryption
- 2-factor authentication
- Force use of strong password
- Document authentication code
- Image Blurring
- Disconnect user due to inactivity

Recordings on disk (data at rest) AES128 & AES256.

*Adding another layer of protection to the system

Video Export, AES256 encryption on exported videos.

Integrations



digifort
SMARTconnect

The objective of data integration of multiple sources is none other than to fine-tune the interaction between multiple systems and be able to guide users on their journey to single command control.

They are also exchanging information with and collecting information from 3rd party systems through connected devices. It is important that they are able to manage and process the massive amounts of data resulting from the source.

Digifort Smart Connect helps to map any events from the 3rd party to the global event of Digifort. Trigger actions on the 3rd party system from Digifort, making it **Bi-Directional**.

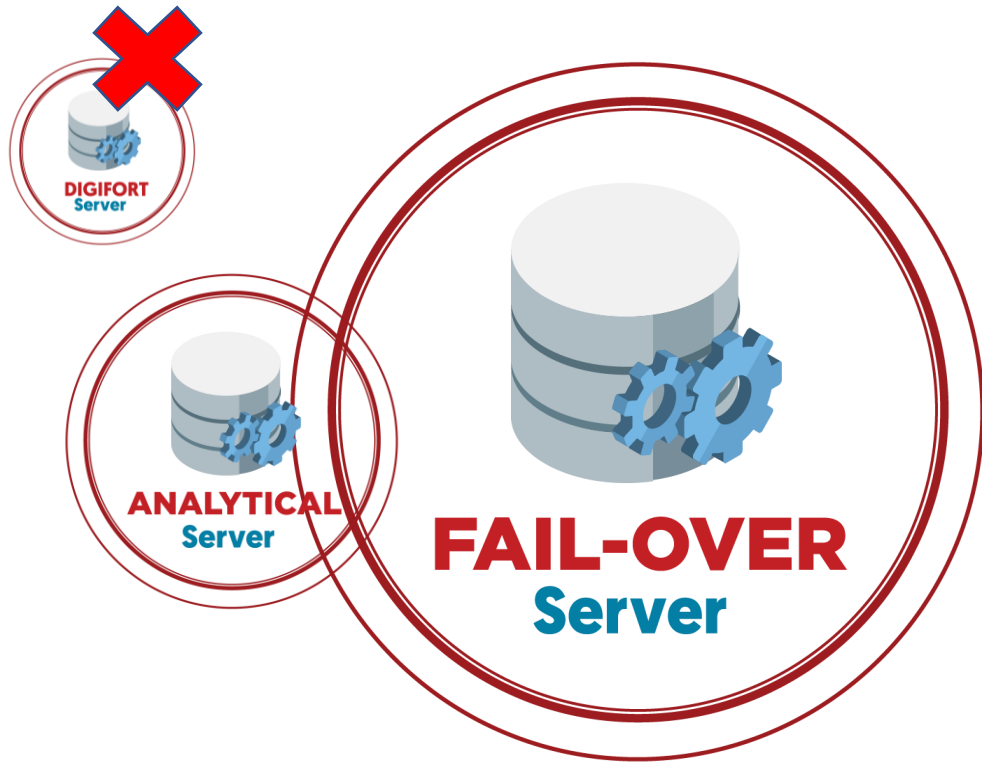
Shortlist (not all) of integrated access control systems:

- Integrity
- Inception
- ICT Protege
- Gallagher
- Surprema
- Salto
- Vanderbilt
- Lenel
- Honeywell



Keep your system running

24/7



Digifort Fail-over more than just camera stream:

- Camera
- VCA
- LPR
- I/O devices
- Maps
- Global events
- Operational maps

Digifort is extremely fast!

Takes only

3s to 15s on average

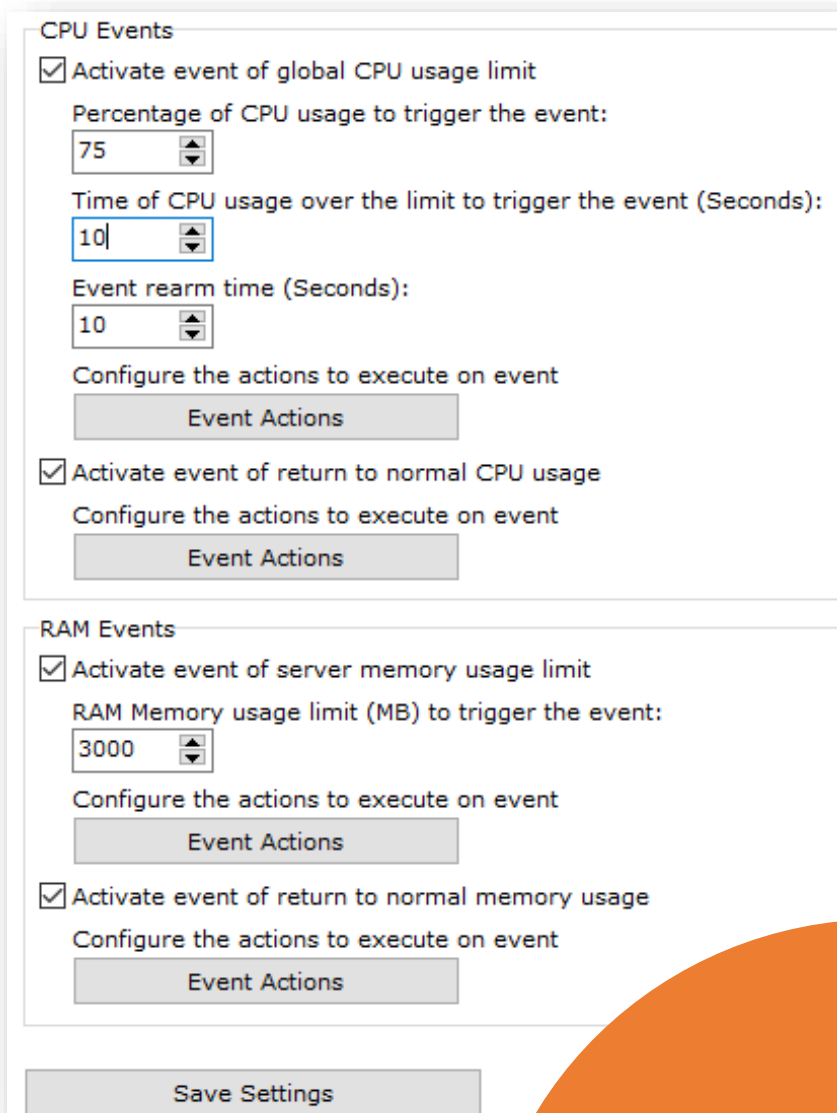
Pick & Choose cameras/objects to fail-over based on it's importance & keep the hardware cost Down (fail-over server).

Fast automatic fail-back that is un-noticeable to the operator. Digifort will also restore the recordings from the fail-over server to the main server.



Server Events

Configure events generated from the server, such as CPU and RAM limits



The screenshot shows a configuration window titled 'Server Events' with two main sections: 'CPU Events' and 'RAM Events'. Each section has two checkboxes for activating events, with associated input fields for thresholds and time, and buttons for configuring actions.

CPU Events

- ☒ Activate event of global CPU usage limit
 - Percentage of CPU usage to trigger the event: 75
 - Time of CPU usage over the limit to trigger the event (Seconds): 10
 - Event rearm time (Seconds): 10
 - Configure the actions to execute on event: Event Actions
- ☒ Activate event of return to normal CPU usage
 - Configure the actions to execute on event: Event Actions

RAM Events

- ☒ Activate event of server memory usage limit
 - RAM Memory usage limit (MB) to trigger the event: 3000
 - Configure the actions to execute on event: Event Actions
- ☒ Activate event of return to normal memory usage
 - Configure the actions to execute on event: Event Actions

Save Settings

Digifort can and has integration with server self management system such as the Dell Remote Access Controller (iDRAC) for monitoring the health of your servers.



We are among the 7 companies in the world classified as Video Specialty Partner by intel.

Support for hardware-accelerated video decoding.

Integrated with:

- NVIDIA GPU
- Intel Quicksync

for hardware decoding support.

- Load balancing
Decoding will be off-loaded to CPU when GPU is overloaded.
- Use of multithreading for H.264 and H.265 video decoding.
This accelerates video decoding on the client, especially ultra-megapixel images.



Please note: Digifort in most cases do not require GPU thanks to our innovative bandwidth management technology.

Active Directory

Professional Edition

16 user accounts (15 + 1 admin) You can have unlimited users connected with the same account.

Enterprise Edition

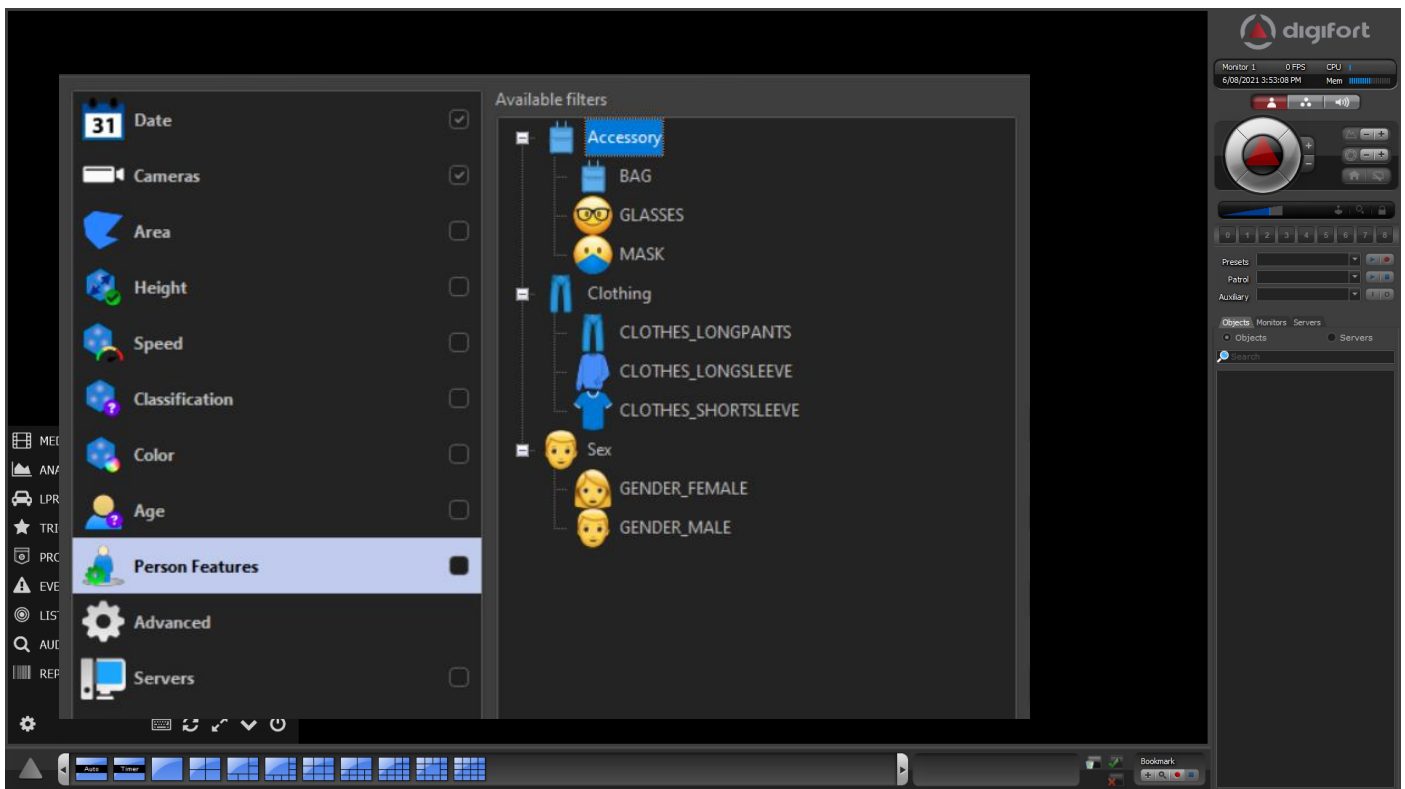
No limit on the number of user accounts.



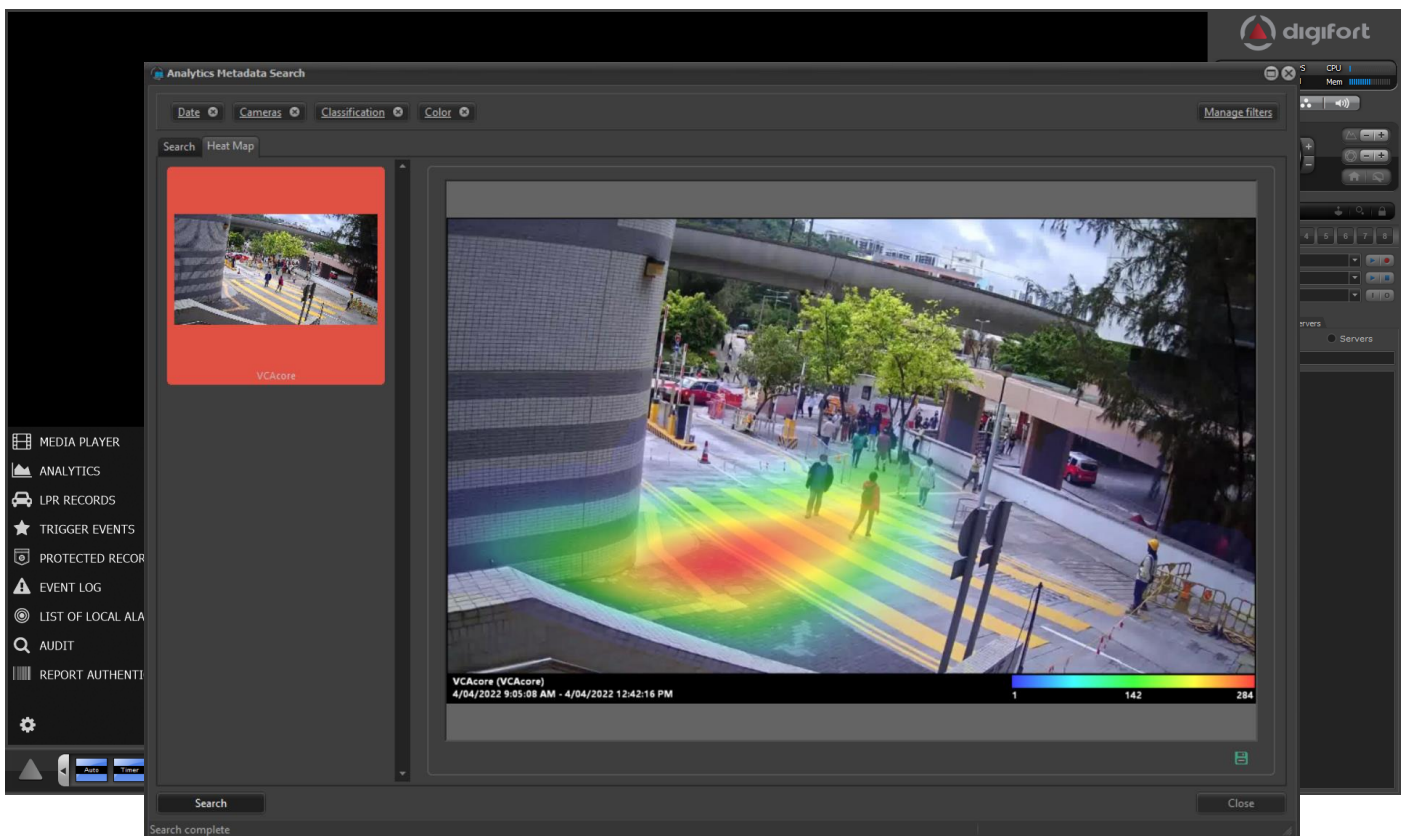
Monitoring of all IoT devices

Digifort has a monitoring service that can monitor any network devices and report if they are offline, turned off, faulty etc. This can be displayed on maps, surveillance client, on google map with geolocation and via push notification to any mobile device.

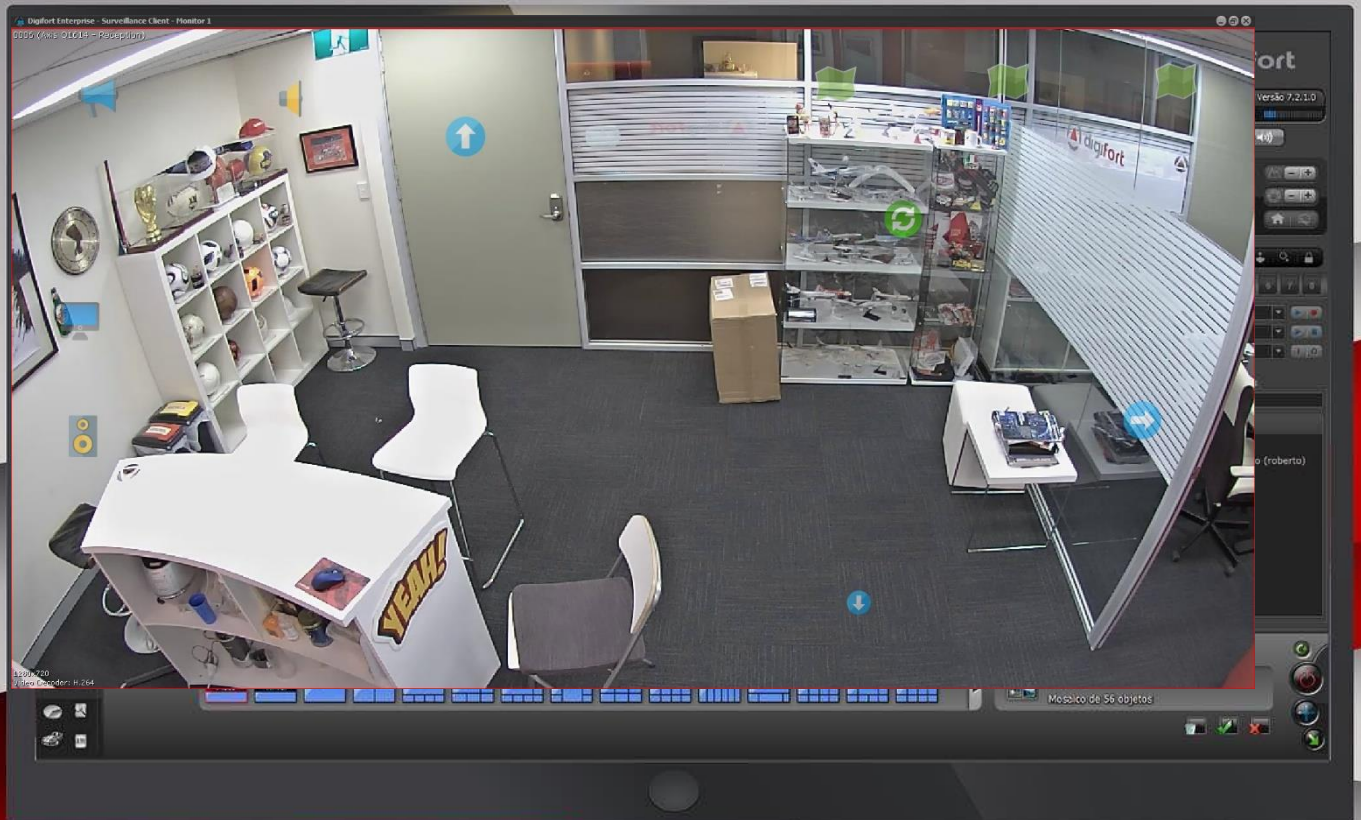
Metadata Search Engine



Heat Map



Object Links



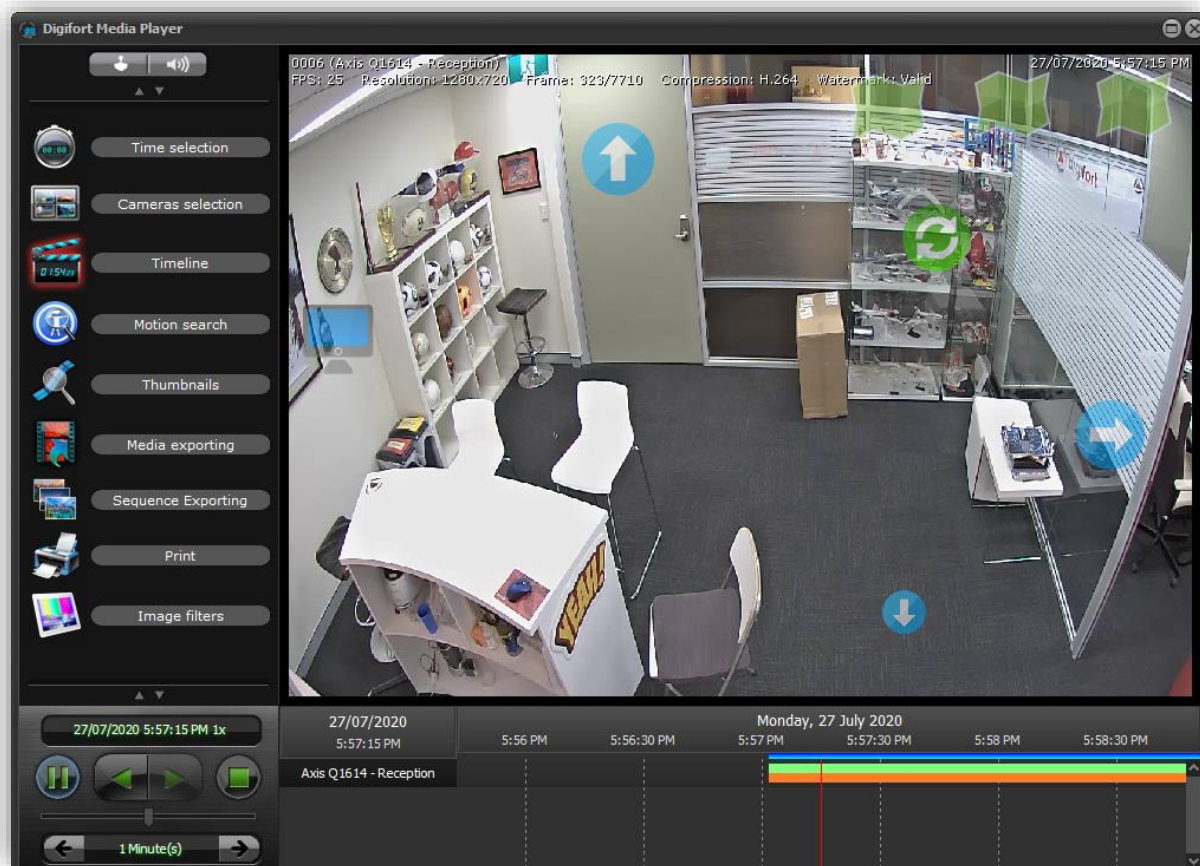
Provides a revolutionary new way to navigate by using overlay links on live and playback.

- Overlay zone or icon can be linked to any Digifort objects:
 - Cameras
 - Maps
 - VCA & LPR
 - Manual & Global events Outputs
 - Pre-set positions of PTZ
 - Own internal API commands
 - Alarm triggers to facilitate the triggering of an alarm

Object Links are also available during playback

Sequence Exporting-Exporting sequences of cameras.

Follow a suspect and export the exact sequence-Suspect Trace.



- All exported videos can be:
- Password protected
- Watermarked

Z1 Dashboard

Big Data can be difficult to manage and utilize unless it's delivered in a format that is easy to:

- Understand
- Analyze
- and apply

Digifort's Z1 Dashboard takes these data and presents it in easy-to-use dashboards with reports that include:

- Graphs
- Charts

Z1 Dashboard empower users to uncover trends and better understand your business and situations.



List of Local Alarms

The screenshot displays the Digifort Enterprise - Surveillance Client interface. It features four camera feeds: a top-left fisheye view of a large room, a top-right view of a room with orange chairs, a bottom-left view of a room with a 'POWERFUL' sign, and a bottom-right view of a room with orange chairs. Below the feeds is a table of local alarms.

Time	Event Type	Event Name	Event Description	Object Type	Object Name	Object Description	Server	Observations	Status
4/04/2022 11:14:11 AM	Global Event			Global event	Global		Hong Kong Server	No	Open
4/04/2022 11:14:11 AM	Global Event			Global event	Global		Hong Kong Server	No	Open
4/04/2022 11:13:01 AM	Global Event			Global event	Global		Hong Kong Server	No	Open
4/04/2022 11:13:01 AM	Global Event			Global event	Global		Hong Kong Server	No	Open
4/04/2022 10:49:36 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:49:36 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:46:18 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:46:18 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:43:28 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:43:28 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:43:03 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:43:03 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:42:41 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:42:41 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:41:52 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:41:52 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed
4/04/2022 10:39:29 AM	Global Event			Global event	Global		Hong Kong Server	No	Closed



4 Detection Modules

General detection

- Objects
- People
- Animals

Industrial detection

- PPE
- Fork Lift

Crime detection

- Weapons

Fire & Smoke detection

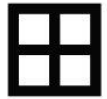
Rules

- Colour
- Counting
- Distance & angle to a line
- Occupancy

Behavioural Rules

- Fallen position
- Social distancing
- Crowding
- Pose Tracker
- Aggressive behaviour- Arms/Hands raised
- Sitting
- Running
- Loitering

VCA Rule set v1.4:



Zones



Tamper
Detection



Shake
Cancellation



Object
Tracker



Counting



Counting
Lines



Presence



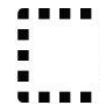
3D
Calibration



Speed
Filter



Appear
Filter



Disappear
Filter



Stopping
Filter



Enter Filter



Exit Filter



Direction
Filter



Dwell Filter



Tail Gating



Abandoned
Object



Face
Detection



Meta Data



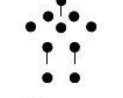
Logical
Rules



DL - Filter



Colour
Filter



Pose
Tracker

Next Generation Vehicle Number Plate Recognition

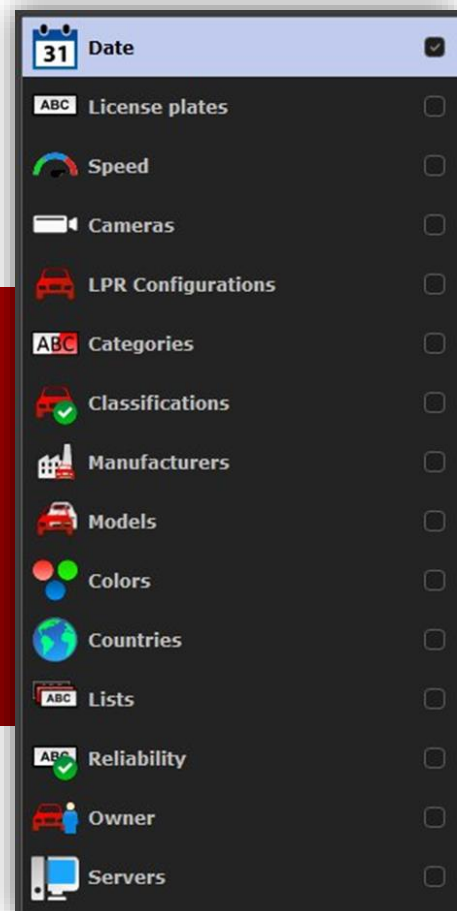
AI Driven-Digifort is the only VMS with 4 leading LPR engine integrated.



Meta-Data Search

Depends on the engine or the edge analytics.

We can search through filters.



Site configuration overview report

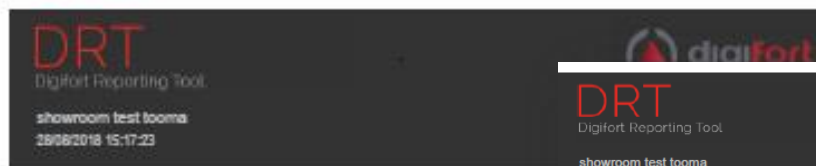
- Server Information and Usage
- Registered users
- Camera visualization
- Cameras details/setting
- Screen styles
- Maps
- Global events
- Plus more

Digifort Reporting Tool VII. Maps 1/

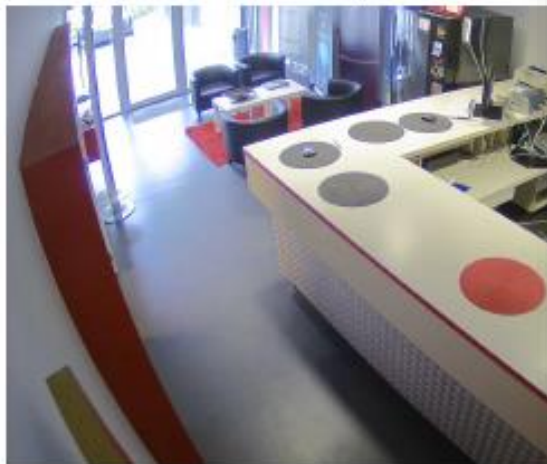
DRT
Digifort Reporting Tool
showroom test tooma
28/08/2018 15:17:27

VII. GlobalEvents

Name	Description
BLFR	Biometric system detected a blacklisted person
escalation	escalation
Event Collector	Event Collector
Event Collector 2	Event Collector 2
Event Collector 3	Event Collector 3
Event Collector 4	Event Collector 4
Event Collector 5	Event Collector 5
Event Collector 6	Event Collector 6
Event Collector 7	Event Collector 7
Event Collector 8	Event Collector 8
Event1	Event1
Greta	De Cock
OverRide Priority	OverRide Priority
popup	popup
test eve 4 edge	test eve 4 edge



CAMERA_1 - CAM001 - Balie Siquira FD1002 3MP



Balie Siquira FD1002 3MP (Active & Working)
Model: Siquira FD1002V1-EI;
IP number: 192.168.0.237 Port: 80

DRT
Digifort Reporting Tool
showroom test tooma
28/08/2018 15:17:22

I. Digifort Server Information

Digifort API Information

API Name	Digifort HTTP API Server
API version	1.8.0

Digifort Server Information

Server edition	ENTERPRISE
Server version	7.2.1.0
Server release date	2018.06.16
Server release type	Final
Server platform	Windows

Digifort Machine Code

Server Machine Code	1221-DGF-6E69F83-67C82*792662/B9AF-HLCK-A5A504
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Digifort Server Usage

Processor	44	Processor utilization in percentage
Global memory	2238 Mb	General memory usage in megabytes
Server memory	373 Mb	Server memory usage in megabytes
Connections	136	Total number of TCP connections of clients connected to the server
Clients	7	Total number of distinct clients connected to the server
Input traffic	51392 Kbps	Input traffic in Kbps (Kbits per second)
Output traffic	35920 Kbps	Output traffic in Kbps (Kbits per second)

Recording Hours: 337.8
Recording Hours Estimative: 338.1
Recording Fps: 25
Active time: 943133
Inactive time: 0
Used disk space: 6119966325

Why 28 thousand+ customers worldwide choose Digifort

as their technology and a trusted partner? **All of the above plus the following:**

“ We are a truly open platform. Customer's make the choice instead of choices are made for them.

“ One-time license purchase, the software is feature-rich, and it is under constant development. No SSA's and cost for updates.

“ Works with almost any network connected cameras or NVRs and DVRs.

“ Very simple to teach clients. Super end-user friendly, thanks to our clean, uncluttered and intuitive design. If you know how to use a mouse, you can use Digifort.

You can train a client to be a power user in under 20 minutes.

“ Completely scalable from installations ranging from a handful of cameras to those with more than 30,000 cameras and beyond.

“ Smart Motion and Thumbnail search provide an excellent way to search video when analytics aren't available.

“ Highly stable and impressive performance make it one of the most cost-effective VMS solutions.

- ❖ Stable - With solid coding and performance driven philosophy.
- ❖ More responsive and less CPU intensive.
- ❖ Digifort requires much less servers than most other VMses.

❑ **No Hidden Costs** – no extra charges for:

- Work-station Clients
- Mobile Clients
- Virtual Matrix
- Insight
- Active Directory

Conclusion

We must focus both on meeting short-term challenges, while also keeping in mind future changes and longevity.

Digifort have evolved by incorporating such specialised systems to be integrated for global situational awareness that breaks down traditional operational methods.

Create a **“Single pane of glass view”** within the Digifort Client for monitoring all IP connected hardware & metadata devices.

This is our Driving Force.