



ADVANCED AUDIO AND VIDEO TECHNOLOGIES

Intelligent.
Enterprising.
Dependable.

World-class IP surveillance software



We make world-class video management software and we make it really easy to use

Digifort VMS is an easy to use industry leading Open Platform Video Management Software for SMB to high-end Enterprises.

Making use of the most advanced concepts of digital intelligence in the area of surveillance and physical security, the Digifort System embarks upon a new age in the active and passive surveillance of security cameras, integrating solutions and offering the most modern technologies that are available today.

With large numbers of connected devices coming together, there is so much data being generated and will continue to grow. Ultimately we need to make sense of the data.

Bringing together technology and intelligence, Digifort will provide a solution that is a value-add to our customers who are the ones using it every day.

We guarantee it.

Our ethos



Independent

The best IP video management systems are independent of hardware and give you the freedom to select the "best of breed" hardware with the best fit for your application.

Our Independence is a unique key to be working with the best hardware and technology partners around the globe, and make it easily accessible to every enterprises no matter how small or big, and whatever the budget. We believe security should be affordable by everyone.



Enterprising

Adopting these new technologies is our vision and a key strength of Digifort. These technological advances will have a positive impact on ROI for your security systems.

Investment in any new system comes out of a company's capital expenditure, and "returns" can be difficult to calculate. Not anymore!



Open Platform

Digifort is an Open Platform, which translate into "Freedom of Choice" for our customers, strong alternative against locking-in proprietary systems.

Digifort is the most compatible software in the market, supporting more than 6000 devices and 247 different manufacturers. This is growing every day.

We transform video surveillance into real value for your business



"Digifort makes sense. It's easy, light and stable. It works really well."

Centre of your business intelligence

With deep intelligent integration, we bring the latest technology to your fingertips. Configurations, analysis, playback, report generations and more are all embedded into Digifort making it extremely simple and easy to use these highly advanced technologies.

Tiered Offering

Digifort offers 4 package options:

- Explorer
- Standard
- Professional
- Enterprise

Each package includes features compatible with any type of installation and support for a large number of IP cameras. This enables economical custom solutions for your immediate needs, while providing the scalability for future expansion.

Save bandwidth and spend less

Digifort leverages multi-streaming capabilities, allowing live recording views in both small screen and full screen mode. It uses different streams for motion detection in order not to overload your hardware. This means you can achieve better performance even with your existing hardware.

Language Support

A truly global solution, Digifort software is written in 14 different languages: English, Spanish, Portuguese, Dutch, Japanese, Korean, French, Czech, Italian, Russian, Traditional Chinese, Simplified Chinese, Turkish, Lithuanian.

For details on our reference sites, please refer to our reference site booklet.



VCA (Video Contents Analytics)

Digifort Analytic modules possess powerful video analysis, that used together, will ensure monitoring is more efficient and intelligent. This helps operators achieve a higher rate of capture and detecting accidents or events accurately using an advanced 3D calibration tool and object classification.



Video Synopsis

Digifort has integrated a third party Video Synopsis® technology which helps law enforcement, government public security organizations, private security and corporate entities, to achieve rapid video review. Allows users to search and analyse via simultaneous presentation of events that occurred at different times.



LPR (License Plate Recognition)

Digifort offers the world's best library of number plates for recognition. It can be read at acute angles, in many different lighting conditions and most importantly, at high speeds.



Facial Recognition

Digifort's facial recognition technology uses an innovative principle of multiple facial recognition algorithms used in parallel to ensure the highest precision of recognition.



Research and Reporting

Digifort lets you easily generate reports from any analytics event in a variety of styles including line, bar and pie charts. Set advanced filters and create comprehensive reports within minutes. Valuable business intelligence at your fingertips.



Screen Style

Digifort VMS solutions provide unlimited screen style creation. This flexibility gives the customer more control over display options.



Map

Supports creation of multi-level maps but also Google maps with camera auto population advanced engine.

Open platform IP surveillance software



Edge recording and self-healing

Edge recordings are possible on certain integrated cameras. Record on the camera's SD card when there is a network disconnection. This video will be transferred back to a central server as soon as the network connection is restored.



Bookmarking

Innovative video bookmark as an advanced forensic tool which allows fast marking of events for later search.



Digifort Insight

A free utility provided by Digifort. Insight is screen capture software that works as an IP camera. It generates streaming video to the Digifort server containing the desktop screenshot of where it is installed. It also has the ability for remote PC control.



Digifort Mobile Camera

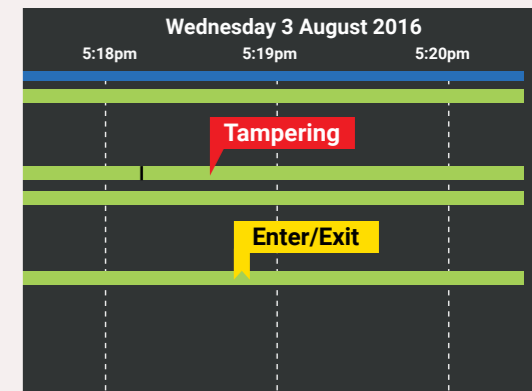
Mobility is more important than ever. System allows recording and live viewing of images & audio from smart mobile phone device (Android or iOS) cameras, where there are no security cameras.

- Police
- Cargo Inspection
- Patrol/Security Guards
- Maintenance Team



Virtual Matrix

Manages large video walls, sending objects, images from cameras, maps and screen styles from monitor to monitor. Highly essential feature in any modern control room.



Failover

Achieve uninterrupted system connectivity and ensure maximum up time and peace of mind. When you have critical data to protect, you can rely on Digifort's Failover that provides continuous access and can tolerate hardware failures without any system interruption. Digifort also Failover LPR and VCA.



Digifort Mobile

Digifort Mobile is a software developed on the Java platform for mobile devices such as Smartphones, PDAs, etc. It makes it possible to view images of IP cameras and video encoders as well as activate events from your mobile devices.



Digifort Biometric Reader

The Digifort Biometric Reader is integrated equipment that allows control of system logins via Biometrics. Biometric login strengthens the security of your system, eliminating leakage problems and loss of passwords, and improving management.



Digifort Keyboard

The keyboard controller Digifort DGF-KB1000 has been developed exclusively for the Digifort system to provide faster and easier control over your entire operation.

Features published in these pages are only some of the key features. For more extensive list, please speak to your distributors. New features and improvements are developed continuously.



Video Synopsis

Too much video. Not enough eyes.

Fast video review, search and analysis

Digifort has integrated third party Video Synopsis® technology which helps everyone, from law enforcement, government and public security organization to private security and corporate entities, to achieve rapid video review, search and analysis via simultaneous presentation of events that occurred at different times.

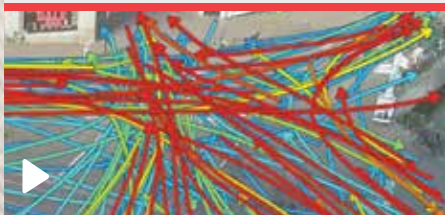
Know what you didn't know before

This technology can recognize and extract objects, along with information about those objects, such as color, direction, path, dwell time, size, path, speed, and more. Developed over the years to handle thousands of scenes, lighting and weather conditions.

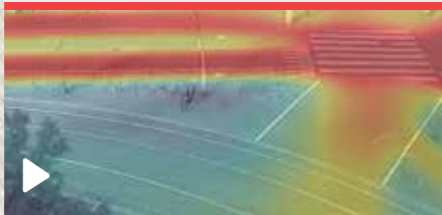
Reduce your time to target

This method offers a powerful set of video review tools for locating events of interest so that users can reach targets more quickly than ever before.

Pathways



Activity Map



Video Synopsis



Original Video



Refined by Colour



Refined by Direction



Refined by Size



“Without intelligence, video surveillance is a passive tool”

— TI, IMS VCA Conference 2007



Facial Recognition

Digifort's facial recognition technology uses an innovative principle of multiple facial recognition algorithms used in parallel to ensure the highest precision of recognition.



Why multiple facial recognition algorithms?

- Different algorithms have different results in various live conditions (lighting, angle, picture quality, etc.)
- Each has its advantages and disadvantage.

The only seamless real-time biometric face recognition system on the market today

- Extracting/identifying face on the image
- Creation of biometric data from 2D images from various sources (CCTV camera, photographs, web cameras, etc.)
- Mathematical model of the face created from one or multiple 2D images.

Once the system is employed, you can look for people using unique "face search." This makes it possible to find an unwanted person in a stadium or, security personnel can view live video from anywhere in the stadium to find an unwanted person.

Airports



Stadiums



Events



Video Contents Analytics [VCA]

Analytics driving the future of next-generation video surveillance

With camera counts in large-scale applications becoming larger than ever, they generate huge amounts of data that strains human resources.

Digifort video analytics can complement the human operator in the supervision task in two ways: Real-time video alarm triggers and assisted video search.

Independently tested against the UK Home Office i-LIDS, Digifort VCA technology is able to work exceptionally well by automatically adapting to varying light conditions and can be easily fine tuned to avoid false alarms.

Main Applications

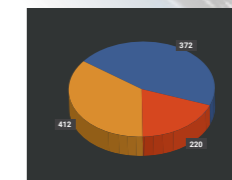
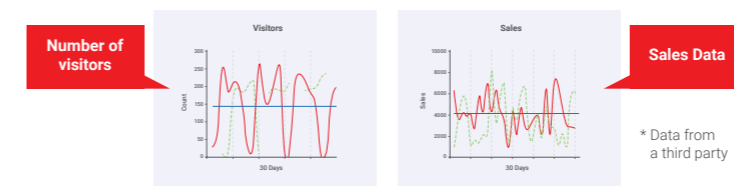
- Object counting
- Object appear/disappear
- Retails-make informed business decisions
- Tailgating
- Camera tampering
- Transport: stopped vehicles, illegal parking, vehicle counting, speed detection
- Perimeter protection

People Counting

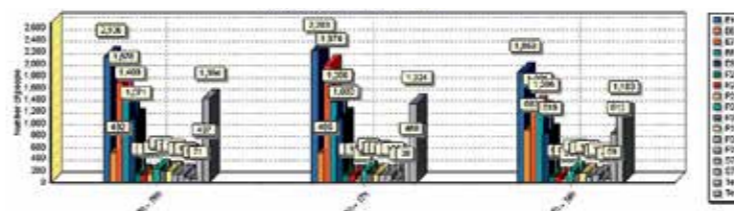
Video retail analytics is the best way to understand your business, and to make educated retail decisions to grow your business.

Powerful report generation

Customized reports based on system events, specific parameters and filters

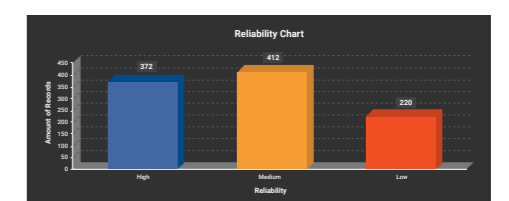


People Counting (Line Charts)



3D Bar Charts

Pie Graphs



Bar Charts



License Plate Recognition [LPR]



Invaluable data no matter the industry



Transportation

Education

NUMBER PLATE	PARKING TIME
ARH-001	18h 47min
M1061K	09h 11min
H G9175	01h 30min
6006 JAA	23h 07min
88666	04h 05min
MH 06 AJ	03h 30min
HPW712	02h 14min
EM 225	01h 11min
OP1111	14h 23min
WAS 112	48h 19min

ANPR RESULTS:

- NUMBER PLATE: 384 7373
- NATIONALITY: SOUTH KOREA
- SPEED: 105 MPH / 169 KMH
- COLOR: GREEN
- GPS LOCATION: 35.966649, 128.824739
- RECOGNITION TIME: 2015-01-11T08:22:12+00:00

Digifort offers the world's best library of number plates for recognition. It can be read at acute angles, in many different lighting conditions and most importantly, at high speeds.

Benefits of LPR

- Allows integration with external database. eg. Cloud database Integration with control access devices.
- There is no limit on the recording of plates on the database.
- Allows search by date, time, plate, set characters, used cameras and customized filters.
- Allows you to generate and print powerful reports.
- Largest license plate library in the world. It is fast, highly accurate and cost-effective.
- Able to detect fast moving vehicle speeds of up to 250km/h.
- Digifort LPR deployed in many commercial sites with excellent accuracy across the globe in more than 150 countries.
- Due to our core engine's outstanding technology, its high accuracy rate, the speed of image processing and its adaptability, it is among the best of its class.



City surveillance



Airports

ADVANCED AUDIO AND VIDEO TECHNOLOGIES



Our
Solid Success
is credit to our
Strong
Partnership



Elbex Technologies BVBA

Katwilgweg 11

B-2050 Antwerpen Belgium

Tel +32 3 254 09 54

Fax +32 3 254 03 23

info@elbextechnologies.com

www.elbextechnologies.com