DigiFort®

IP Surveillance System

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IP Surveillance Software
That Makes the Difference

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To meet the growing demand for integrated and automated systems designed specifically for digital or analogical camera monitoring, storage and management, the Digifort System, a genuine Brazilian software, presents a new concept in "digital governance", which completely transforms the way companies or small businesses address the area of patrimonial security and personnel security.

Making use of the most advanced concepts of digital intelligence in the area of monitoring and patrimonial security, the Digifort System embarks upon a new era of active and passive monitoring of security cameras, where the resources of visualization and storage of images go beyond the physical boundaries of the company, being offered in a distributed and accessible manner by way of the most diversified means of communication used by the organization.

Marketed in four different versions, the Digifort System offers features according to the type of project and the number of cameras involved in the solution. A set of functions will be available to the client for each version which will agree to the usage profile for which the product will be used.

GENERAL DESCRIPTION OF THE MONITORING AND RECORDING SOFTWARE

Monitoring and recording software for closed circuit TV based on TCP/IP with ability to control and visualize IP or analog camera images connected to video servers or coders, as well as record images for later look-up and selective retrieval. The software has a Windows-based graphics-friendly interface and screen display, functions, menu, help screens and manuals in Portuguese language.

ADVANTAGES

FLEXIBILITY By way of a remote Internet access to the image server, the Digifort System allow accesses from virtually anywhere, offering great user mobility when visualizing and retrieving his camera images.

SCALABILITY Guarantees expansion of the number of cameras with no physical or logical limitation an behalf of the system.

COMPATIBILITY The Digifort System was designed with the purpose of offering total compatibility with a great variety of IP cameras of various brands and also preserve and make use of devices such as analogical cameras and video servers.

PERFORMANCE Designed with Multi-Processing technology (Multi-Threaded), it can make use of multiple processors.

INTEGRATION The Digifort System allows the integration of alarms by way of the cameras' inputs and outputs and by way of connected alarm boards.

IP TECHNOLOGY The use of IP Technology by the Digifort System is in line with the market's dominant platforms, making IP SURVEILLANCE solutions even more considered as the most adaptable, most reliable, and least susceptible to technological obsolescence than any other solutions.

GENUINE NATIONAL SOFTWARE Designed for the needs of the Brazilian market with greater ease of support. It's available in three languages (Portuguese, English, and Spanish).

EVENT MANAGEMENT Ease of organization and documentation of events that occur in the monitoring system, including the archiving of video footage for later look-up.

FRIENDLY AND EASY-TO-UNDERSTAND INTERFACES It has interfaces that are operator and administrator friendly. The monitoring and administration interfaces have separate programming, being that the monitoring system has an operator-oriented inerface that must be intuitive and simple for the layman operator, and that the system administrator interface offers a complete vision of the system, by way of a list of the tree-view type much used by administrative systems.

ARCHITECTURE AND SECURITY

Based on "IP Surveillance" (IP Monitoring) technology, it allows for the use of IP cameras, video servers and alarm boards of different manufacturers.

The system is based on client/server architecture.

Has complete user management.

Supplies system usage and server performance reports.

Built-in web server.

Allows simultaneous operations, such as recording, reproduction, system configuration, live monitoring, event enquiry, image look-up, etc.

Supports recording and monitoring in Motion-JPEG, MPEG-4, WAVELET, and H.263.

Has Multi-Streaming and Multi-Processing system.

Allows the use of any image resolution.

Has IP filter features.

Has user groups that allow the application of the same permission configurations to all of the users belonging to the group.

The system has global camera configuration tools, whereby the administrator can apply the same configuration to a group of cameras at the same time.

IMAGE RECORDING

It supports recording and live visualization speeds of up to 30 FPS per camera, recording by manual or external events and/or movement detection.

Supports scheduling of recording by time and day of the week.

Allows the recording or video transmission to be done only in the case of an event, saving bandwidth and disk space.

Has a feature for increasing the recording frame rate in case of movement detection in the images.

Has digital certification of the images, which guarantees their authenticity.

Has an intelligent disk management system.

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IMAGE MONITORING

Has monitoring assistance tools such as screenshot, camera icons, digital zoom, full-screen, and interactive menus.

Has camera and mosaic sequencing and the creation of mosaic formats.

Allows the increase of the frame rate of a specific camera.

Has real-time motion detection during live monitoring.

Simultaneous (digital) zoom of different parts of the screen.

Allows the visualization of cameras of various servers in the same screen.

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SYNOPTIC MAP

Has a synoptic map for live monitoring.

Displays information about the devices, informing the devices' status by way of visual indicators.

Allows cameras to be opened by clicking on their icons on the map.

Allows cameras to be positioned in pre-determined presets with a simple click.

Allows a different map to be opened, by way of a link, transforming it into a map of levels.

Allows all of the map's cameras to be opened at the same time by way of a single command.

Various JPG images can be used as background of the map.

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PAN / TILT / ZOOM (PTZ) CONTROL

Has control of PTZ cameras and camera presets and allows PTZ vigilance.

Allows control of PTZ cameras by way of USB joystick or virtual joystick.

Has PTZ blocking by priority.

The PTZ system allows control of focus, shutter, auto-focus and auto-shutter as well as allows Absolute and Relative control of cameras with these modes.

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VIDEO REPRODUCTION, EXPORTATION AND LOOK-UP

Allows the synchronized reproduction and exportation of video footage of various cameras simultaneously.

Has a time-bar of recorded images, which shows the points where recordings and/or motion exist.

Has look-up of motion in the recorded images.

Exports video footage to removable media in AVI and Events CD formats.

Makes it possible to print a certain photo of video reproduction with a description, the date and the time of the event.

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ALERTS AND EVENTS

The system has complete administration of alarms and events, in that it recognizes alarms of any dry-contact device that is connected to the cameras or video servers. This alarm administration includes the following functions:

- The system allows manual alarm measures to be taken

- The system takes pro-active measures upon detection of motion in cameras in pre-defined hours or in case a camera goes down

- The system offers scheduling of external alarm recognition by camera

- The system has the ability to record images when an event occurs, offering the possibility of transmitting only the images of the alarm event

- The system allows different alarm sounds

ADMINISTRATION

Allows remote administration and dynamic configuration in realtime.

Allows application of configurations in common to a set of cameras simultaneously.

Has a calculator to aid in the dimensioning of disk space for recordings.

Allows monitoring of the server by way of historical graphs with information about usage of processor, memory, connected users and input/output traffic.

DIGIFORT EVIDENCE

This is an optional module of the Digifort System which allows classification and documentation of the events that occur in the monitoring system, including the archiving and organization of video and any files related to the event for later look-up, generation of administrative and statistical reports.

With Digifort Evidence, the client can reduce his image archiving costs, reduce event look-up time, reduce maintenance time of the equipment involved in monitoring, have greater availability of information related to the event, have better organization of documentation of these events, and have a clearer vision of the facts.

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