



DIGIFORT PROFESSIONAL

Technincal Data Sheet

digifort

PROFESSIONAL

The Professional version supplies the ideal features for for the local and remote surveillance of up to 64 cameras per server, making it ideal for small, middle and large-sized installations, guaranteeing a robust installation, with high reliability and excellent performance at a compatible cost.

Digifort Professional allows the use of several models of IP cameras and video servers of various manufacturers, thus making possible the choice of hardware which best meets the client's needs.

This version incorporates the best features and tools for your security project, offering centralized management for the operation and surveillance of cameras and alarms. It is recommended for medium and large scale users who need some features such as PTZ by joystick, synoptic maps, up to 16 users accounts, Web Server, viewing of cameras by cell phone, integration with optional Digifort modules, etc.

With Digifort Professional you will have the possibility of controlling PTZ cameras PTZ by mouse or USB joystick, as well as a tool for PTZ by priority and advanced function.

In addition to the various functions of Digifort Professional, you can count on integration with the modules of Alarm and Automation and Digifort Evidence, providing the client the complete solution of surveillance, alarms and automation.



ARCHITECTURE & SECURITY



System Architecture

Client / Server

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|---|--|
| Number of cameras | 8 a 64 (By License Packs) |
| Supports expansion of cameras via packs (Packs) | Yes (Up to 64) |
| Speed of recording and live monitoring | Up to 30 FPS per camera |
| Works with IP Cameras IP e Video Servers | Yes |
| Works with alarm boards | Yes |
| Number of Alarm Boards | 1 a 6 (By License Packs) |
| Allows simultaneous operations (Multi-tasking) | Yes |
| Supports Remote access to server | Yes |
| Supports multi-processor (optimizes tasks dividing the processing among the processors) | Yes |
| Has IP Filters | No |
| Has server activity log | Yes |
| Has events log | Yes |
| Supports DNS | Yes |
| Platform | Microsoft Windows 7/ XP/2003/Vista/2008 |
| Has complete users rights system | Yes |
| Has features system for users | Yes |
| Limit of connections to server | Unlimited |
| Supported Image Resolution | Any resolution (depends on the camera) |
| Has privacy masking | Yes |
| Permits viewing video by time bar | Yes |
| Has control for filters and effects on the image | Yes |
| Has user profile for live monitoring | Yes |
| Supports Multi-Users | Yes (Up to 16 different users) |
| Integration with Digifort Evidence | Yes |
| Integration with Active Directory domain | Yes |



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| Has Master / Slave Architecture | Yes |
| Enables Biometric Authentication by Digifort - BioPass | Yes |
| It features a privacy mode resource. | Yes |
| It features an identification of ownership resource. | Yes |
| It allows audit records to be exported. | Yes |
| Server Platform | Microsoft Windows Server 2003 / 2008 / 2012, 32 & 64 |
| It enables working with Multi Streaming System. | Yes |
| It is compatible with Unicode characters | Yes |
| Automatic update of changes carried out in the system | Yes |
| Compatible with Onvif version 1.02 or higher and Onvif Profile-S | Yes |
| It supports TCP and UDP (Unicast and Multicast) protocols. | Yes |
| It enables the distribution of videos through multicast on demand | Yes |
| It enables sending e-mails via SMTP with SSL authentication | Yes |
| It features an automatic services manager | Yes |
| It supports bidirectional and unidirectional audio. | Yes |
| It features complete support for the dewarping of panamorphic lenses | Yes |
| It features a RTSP integrated media server | Yes |
| It features a Database management module. | Yes |
| It enables the control of the login schedule and system use by the users | Yes |
| It features a full resource for bookmarking for full event scheduling | Yes |
| It enables edge recording. | No |
| Stored passwords with encryption | Yes |
| It supports notification via HTTP | Yes |
| It features support for HTTPS and SSL. | Yes |
| It enables the integration with any system in the market | Yes |



VIDEO RECORDING



| | |
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| Supports recording by detection of movement | Yes |
| Recording by movement allows definition of various areas sensitive to movement | Yes |
| Supports recording by events | Yes |
| Supports buffer for pre/post alarm | Yes (Up to 60 seconds) |
| Has system of digital certificate | Yes |
| Supports filing of recordings | No |
| High-performance data bank | Yes |
| Has automatic disk management system | Yes |
| Had disk allotment for the automatic disk management system | Yes |
| Permits image recording in file servers (by network) | Yes |
| Limit or recordings per day | No limit |
| Has tool for test of detection of movement | Yes |
| It enables selecting unlimited areas sensitive to motion | Yes |
| It enables Failover and Failback configuration | Yes |
| It enables increasing the frame rate whenever motion is detected on the images | Yes |
| It works with recordings in the JPEG, MPEG4, H.263 and H.264 formats. | Yes |
| It features reports with originality codes. | No |
| It enables the capture, recording, and playback of computer screens | Yes |
| It enables audio recording on the formats: PCM, G.711, G.726 and AAC. | Yes |
| It enables recording of images generated by 360 degree panamorphic lenses. | Yes |



LIVE MONITORING



| | |
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| Number of cameras simultaneously | 64 |
| Supports creation of different positionings of cameras | Yes |
| Has automatic view dimensioning | Yes |
| Supports Multi-Monitor | Yes (Four) |
| Allows live visualization of images of various servers on the same screen | Yes |
| Has control for filters and effects on the image | Yes |
| Has Image Relay Feature* | Yes |
| Supports live Detection of Movement | Yes |
| Has tool for camera short-cut | Yes |
| Has screenshot tool | Yes |
| View styles for live monitoring | 7 Native with support for creation |
| Has view for image sequencing | Yes |
| Supports bilinear redimensioning | Yes |
| Permits execution of emergency local recording by monitoring client | Yes |
| Media profile changing | Yes |
| PTZ lock by priority | Yes |
| Tool has virtual keyboard | Yes |
| Enables the creation of presets Customer Monitoring | Yes |
| Enables automatic updating of Customer Monitoring | Yes |
| Has resource Virtual Array | Yes |
| Has support Virtual PTZ in live view | Yes |
| Allows creation of synoptic map | Yes (10 maps) |
| It features a public mosaic resource. | Yes |
| It features a limit for simultaneous camera accesses. | Yes |
| It features an object filter on the surveillance client. | Yes |
| It allows the dynamic update of mosaics on the surveillance client. | Yes |

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| It enables the customization of objects in the surveillance client. | Yes |
| It enables the remote operation of those computers captured on the network. | Yes |
| It enables increasing the frame rate of a given surveillance camera, whenever it is selected | Yes |
| It enables viewing information on camera status on the surveillance client | Yes |
| It enables to limit simultaneous access to cameras. | Yes |
| It enables the user to configure the display mode of the names and objects in the system's object li | Yes |
| It enables live and sectorized audio surveillance. | Yes |
| It enables the surveillance of images generated by panamorphic lenses. | Yes |
| It allows to create maps with objects from multiple servers. | Yes |
| It allows to import static images of maps from Google Maps | Yes |
| It has a self-populate and self-adjust option in the synoptic maps | Yes |
| It allows automatic pop up closing | Yes |
| It features a limit for simultaneous alarm windows | Yes |
| It features automatic repositioning of alarm windows on monitors | Yes |
| It features a configurable video Buffer for fixed and PTZ cameras | Yes |
| It supports resolutions greater than 96DPI | Yes |



VIDEO PRODUCTION, EXPORT AND LOOK-UP



| | |
|--|--------------------------------|
| Reproduces video by date and time range | Yes |
| Video Exportation Formats | DigiFort (Occurrence CD), .avi |
| Allows saving an image during video reproduction | Yes |
| Reproduces video by fixed time range | Yes |
| Has advanced look-up by detection of movement | Yes |
| Has support for digital zoom during video reproduction | Yes |
| Supports de-interlacing of images | No |
| Permits printing of an image during reproduction of the video with event description | Yes |
| Reproduction of cameras simultaneously | 64 |
| Exports of cameras simultaneously | Yes |
| Allows playback of media on surveillance client | Yes |
| It allows a text watermark to be added to exported images. | Yes |
| It enables video playback in Multi-thread. | Yes |
| It enables the selection of a standard monitor to open the Media Player. | Yes |
| It enables the retrieval of recorded images by using a date and time range | Yes |
| Simultaneous video playback on the surveillance client | 64 |
| It features a recorded image time line | Yes |
| It enables to zoom different areas of the screen | Yes |
| It enables instant playback of videos from events. | Yes |
| It enables to limit video playback and export | Yes |
| It enables to add a watermark per user for identification of image ownership. | Yes |
| It enables video playback acceleration | Yes |
| It enables image resizing in the video player | Yes |
| It enables synchronized video and audio playback. | Yes |

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| It enables the playback of images recorded through 360 degree panamorphic lenses. | Yes |
| It enables the choice of playback range of the recorded video | Yes |
| It enables to resize the video during export to AVI | Yes |
| It enables to advance and rewind the video | Yes |
| It enables to fast forward and rewind the video to the next bookmark. | Yes |
| It enables to search, by the code of originality, an image generated in a report. | No |
| It features audited media export | Yes |
| It enables the playback of events | Yes |
| It features quick playback on alarm windows | Yes |
| It allows password-protected video export | Yes |
| It allows printing images with the zoom feature applied | Yes |
| It allows image printing from multiple cameras | Yes |
| It features a quick snapshot option for cameras | Yes |
| It features accelerated motion search | Yes |





SUPPORT FOR PTZ (PAN/TILT/ZOOM)

| | |
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| Supports PTZ | Yes |
| Supports PTZ by "Click and Centralize" | Yes |
| Supports PTZ by joystick | Yes |
| Supports PTZ by visual joystick | Yes |
| It has advanced settings for joystick | Yes |
| Surveillance PTZ analog cameras support patterns | Yes |
| It has control over the OSD (On Screen Display) for analog cameras | Yes |
| PTZ surveillance supports analogical camera patterns | Yes |
| Supports PTZ Pattern | Yes |
| Supports Presets | Yes (number of presets unlimited) |
| Supports advanced PTZ | Yes |
| Supports Digital PTZ | Yes |
| It enables the scheduling or manual activation of PTZ surveillance | Yes |
| It enables to activate PTZ surveillance manually or on a schedule | Yes |
| It features Virtual PTZ for fixed and mobile cameras. | Yes |
| It enables viewing the record of the last user who moved the camera using PTZ. | Yes |
| It automatically enables and disables privacy mode when using PTZ | Yes |
| It automatically enables and disables privacy mode when using PTZ Surveillance | Yes |



EVENTS SUPPORT



| | |
|--|------------------------|
| Supports alarm input and output | Yes |
| Generates an event upon detection of movement | Yes |
| Generates an event upon recording failure | Yes |
| Generates an event if a camera is out of order | Yes |
| Has manual events | Yes |
| Has timer events | Yes |
| Supports creation of diverse contacts and groups for receiving e-mail and SMS | Yes |
| Sends e-mail or SMS in case of event | Yes |
| Opens popup with camera images in case of event | Yes |
| Sounds alarm in case of an event | Yes |
| Sends an instantaneous message to operator in case of event | Yes |
| Positions PTZ cameras in case of event | Yes |
| Activates alarm outputs in case of event | Yes |
| Scheduled Events | Yes |
| It allows Event reports to be exported. | Yes |
| Supports Global Events | Yes (Up to 24 events) |
| Audio level detection | Yes |
| Complete system of alarms and events | Yes |
| It enables Event scheduling | Yes |
| It enables the triggering of a camera alarm to start recording and/or image transmission | Yes |
| It features directed alarm events | Yes |
| It enables motion detection processed directly by the cameras | Yes |

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| Event notifications through HTTP calls | Yes |
| Alternative video profile for motion detection on the server. | Yes |
| It enables searching the events database | Yes |
| It enables to attach an image from any camera to be sent via e-mail in the detection of an event | Yes |
| Video playback within the alarm pop up. | Yes |
| It allows real-time viewing of Global and Manual events status. | Yes |
| It features connection restore | Yes |

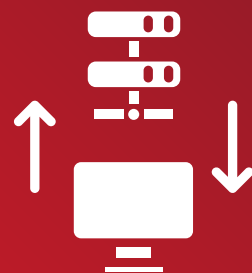
MOBILE DEVICE SUPPORT



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| It enables viewing images via cell phone or from any compatible mobile device | Yes |
| It enables connections to multiple servers. | Yes |
| It enables viewing cameras individually. | Yes |
| It enables saving a Screenshot (photo) of the image on the mobile device. | Yes |
| It enables viewing the image in full screen or in mosaics. | Yes |
| It enables PTZ control. | Yes |
| It enables the use of Preset. | Yes |
| It enables display configuration by Resolution, Image Quality and Frames per Second (FPS). | Yes |
| It displays the status of Used Bandwidth in KBytes. | Yes |
| It enables the activation of alarms (Turn on Lamps, trigger siren, open and close gates, etc.) | Yes |
| It enables the use of your cell phone camera, integrated to the system | Yes |
| It manages media profile exclusively for mobile devices | Yes |
| It enables operation via virtual matrix | Yes |



MANAGEMENT



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|---|-----|
| Sends report of functioning of the server | Yes |
| Allows applying configurations to a set of cameras simultaneously | Yes |
| Has server monitoring by way of historical graphics | Yes |
| Has calculator for calculation of storage | Yes |
| User groups | Yes |
| Allows the location of the cameras and automatic registration for UPnP | Yes |
| Dynamic configuration in real time | Yes |
| It enables the automatic location of cameras that use the ONVIF protocol. | Yes |
| It features manual or automatic system configuration Backup. | Yes |
| Automatic location of recording servers on the local network | Yes |
| It features an audit system for user actions and server connections | Yes |
| Information of camera disconnection | Yes |
| Simultaneous user access limit | Yes |
| Export format for reports and graphs | Yes |
| It enables the logo on reports to be changed | Yes |
| It enables, upon registering cameras, the selection of columns for improved object identification | Yes |
| It enables to import any object from other Digifort servers | Yes |
| It enables to export the registry screens from objects from the system's administration client | Yes |
| It blocks access to the system after x invalid attempts | Yes |
| It displays the name of the operator who is connected to the surveillance client | Yes |



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| It enables the configuration of the audio buffer | Yes |
| Allows cropping of images (CROP) | Yes |
| It enables the authorized user to receive all controls for system operation via web | Yes |
| It features a device failure report | Yes |
| It allows the requisition of multiple Event reports | Yes |
| It features a summary with server disk usage graphs | Yes |
| It allows to specify camera coordinates (latitude/longitude) | Yes |
| It allows searches by keyword in audits | Yes |
| It features a tools for ping testing devices | Yes |

PROGRAMMING



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|---|-----|
| Has programming of image recording | Yes |
| Has programming of recognition of external events | Yes |
| Has programming of alarm actions | Yes |
| Has programming of image transmission | Yes |





WEB SERVER

Has built-in web server

Yes

It enables the configuration of a standard directory for media and photo export in the surveillance

Yes

VIDEO ANALYTICS



Supports video analysis features

Yes (By License Packs)

Native support for bundled analytics on cameras.

Yes

It supports video analytics embedded in cameras via HTTP notification

Yes

CAR PLATES RECOGNITION - LPR



Supports recognition module license plates

Yes

It features an Edge licensing system for LPR

Yes

It features alarm action for unregistered license plates

Yes



DISCOVER **DIGIFORT** DIFFERENCE



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