

# DETEC NEXT SOFTWARE



Overview and Introduction to  
Software for Video Surveillance

**BROCHURE**

Detec Next is the term for a new generation of software for video surveillance from Detec AS. Detec Next is a user-friendly, flexible and scalable software that easily can be expanded with the number of cameras, servers and clients needed in a system.

Detec AS has developed software for video surveillance since the early 1990s and has been a leading player in video analysis. This experience contribute to a secure software that is so flexible that you can invest in a number of unique and innovative functions without relying on third-party solutions.

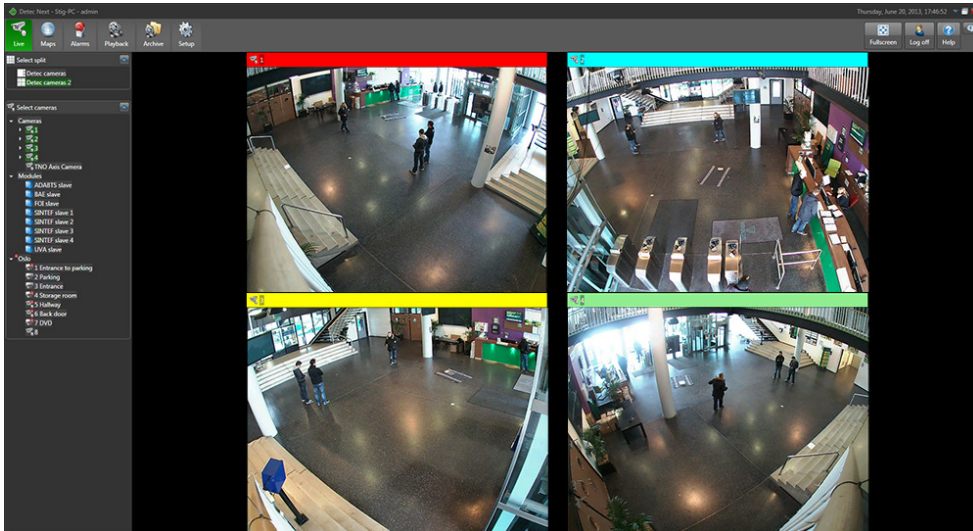
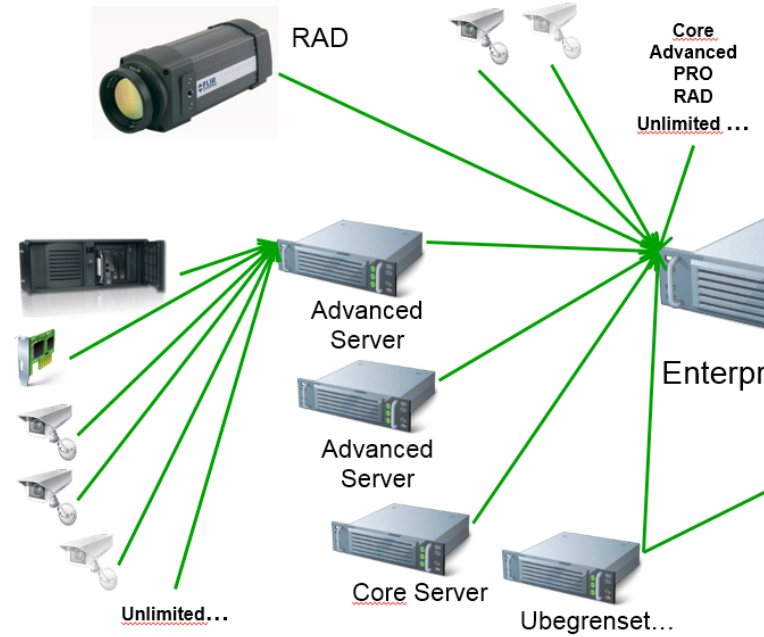


D E T E C

# MAIN ADVANTAGES WITH DETEC NEXT

## Focus on User-Friendliness

Today's user interface is based on several years of experience and feedback from operators, where pure logic has been the guideline for successful design development. Detec Next is built around different operator modes with different purposes and tasks so that the user will follow the shortest path possible in reaching goals. Heavy use of icons has been emphasized, and for a basic-level Windows user with some experience, the interface will appear straightforward and recognizable. The user interface comprise of a number of elements which have become industry-standards in video surveillance software, such as camera list to the left, playback menu, searches displayed on a timeline view etc. Additionally, a number of new innovative elements and display methods are presented, such as user defined camera lists and split patterns, dynamic splits in real-time view, map mode with color allocation on cameras, alarm lists with alarm priority, and more.



A Detec Next system ensures great flexibility in number of cameras, servers and clients.

structure, features and a design securing great flexibility and scalability. The end customer can easily add features, and the software has in principle the possibility of adding an unlimited number of cameras, sound sources, external alarm sensors, servers and clients. Storage can be safeguarded with the capacity needed. As the system as a whole has a network-based architecture, the customer can expand the system based on needs and maintain a broad

User-friendly interface based on many years experience

User control with different defined user types simplifies further the daily use for each operator.

## Designed to Preserve Scalability

Detec Next has a licensing

range of security tasks.

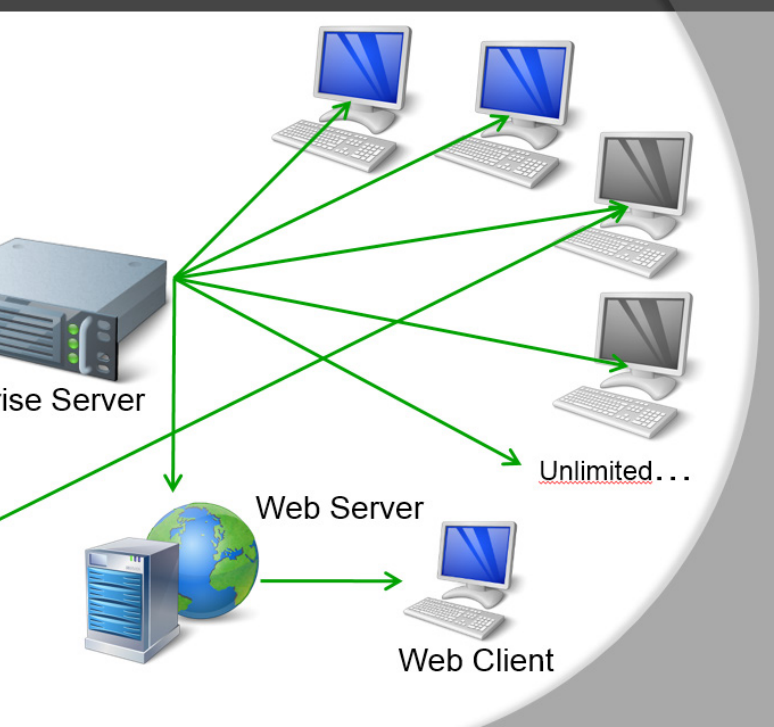
## Security for the Future

Detec AS recognize that customers' needs can change over time, and often customers want to invest gradually



A Detec Next system can be built over time with growing needs.





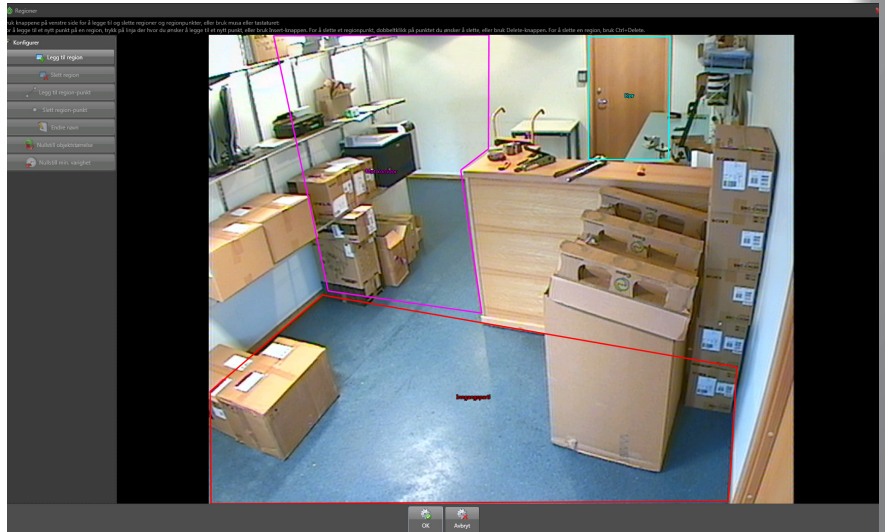
world in this field. The company has since its' start-up collaborated with world-leading research communities in order to be on top of the state-of-art and excel with the potential that lies in video analysis. In this context, Detec AS has pursued new partnerships globally. This experience has made the company well-equipped to identify key success factors in order to achieve solid and accurate advanced video analysis in a wide variety of scenarios. Today, we differ from competition with our focus on robust extraction of objects from background, to reduce effects from light sources and shadows, advanced tracking of objects, implementation of algorithms on GPU, fusion of multi-sensor data, multi-format data from cameras, and the use of radiometric thermal cameras.

number of cameras, servers, clients and future expansions

in their security systems with growing demands. With Detec Next you secure an investment in a system for the future as it is based on an open platform. Over time, you can build the system according to needs. Customers are recommended to sign a software update agreement securing access to the latest software version at all time. Agreement or not – the software can be updated to add new technologies and investments in new peripheral products such as cameras, network equipment, servers, backup-solutions and third-party software solutions.

## World Leader in Video Analysis Features

With experience since 1992 in the field of advanced video analysis, Detec AS is one of the pioneers in the






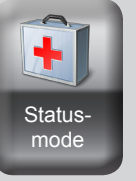
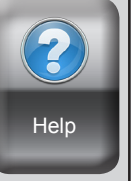



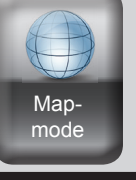


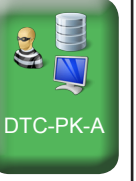




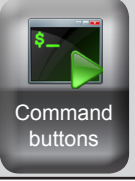
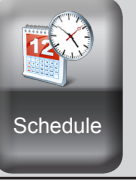
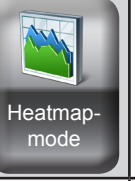





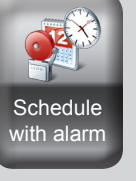






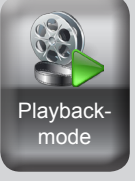
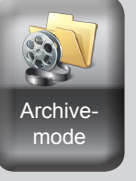
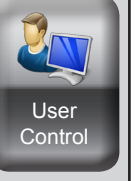




Detec Next can be delivered with highly advanced video analysis functionality, exemplified here with region settings



Many places may be in need of elevated security measures through video analysis which can be delivered with Detec Next software.



# DETEC NEXT PRODUCT/FEATURE MATRIX

LEVEL	PRODUCT	BELONGING KEY FEATURES	PART NUMBER
Detec Next Software - new system			DTC-KEY-USB/SW
		 Client license  License key  Setup-mode  Status-mode  Help  Live-mode  Sorted camera list  Monitor matrix  Map-mode  WEB-solution	 DTC-PK-C  DTC-PK-A  DTC-PK-PRO  DTC-PK-RECHD
CAMERA/MODULE (number of units - price per connected IP-address)			
	Detec Next Core Camera/Module License		DTC-SWN-C1
		 Core module license  PTZ control  Command buttons  Schedule  Heatmap-mode	 DTC-PK-C  DTC-PK-RECHD
	Detec Next Advanced Camera/Module License		DTC-SWN-A1
		 Advanced module license  Alarm mode  WEB warning  Schedule with alarm	 DTC-PK-A
	Detec Next PRO Camera/Module License		DTC-SWN-PRO1
		 PRO module license	 DTC-PK-PRO
	Detec Next RAD Camera License		DTC-SWN-RAD1
		 RAD Camera License	
SERVER - STORAGE SOLUTION (Alternatives)			
	Database Structure for Storage of Recordings		DTC-SWN-STORAGE1
		 Database structure  Multiple disk sets  Playback-mode  Archive-mode  User Control  Activity log	 DTC-PK-C  DTC-PK-A  DTC-PK-PRO

LEVEL	PRODUCT	BELONGING KEY FEATURES	PART NUMBER
	Database Structure for Storage in Record HD system including Record HD-mode		DTC-SWN-RECHD
		<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center; margin: 5px;"> Database structure</div> <div style="text-align: center; margin: 5px;"> Detec Record HD</div> <div style="text-align: center; margin: 5px;"> Document template</div> <div style="text-align: center; margin: 5px;"> Bookmarks</div> <div style="text-align: center; margin: 5px;"> Archive-mode</div> </div> <div style="text-align: center; margin-top: 10px;"> Activity-log</div>	<div style="text-align: center;"> DTC-PK-RECHD</div>
CLIENT (number of units - price per connected monitor)			
	Detec Next Client License		DTC-SWN-UI1
		<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center; margin: 5px;"> Client license</div> <div style="text-align: center; margin: 5px;"> Setup-mode</div> <div style="text-align: center; margin: 5px;"> Status-mode</div> <div style="text-align: center; margin: 5px;"> Help</div> <div style="text-align: center; margin: 5px;"> Live-mode</div> </div> <div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center; margin: 5px;"> Sorted camera list</div> <div style="text-align: center; margin: 5px;"> Monitor matrix</div> <div style="text-align: center; margin: 5px;"> Map-mode</div> <div style="text-align: center; margin: 5px;"> WEB-solution</div> </div>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center; margin: 5px;"> DTC-PK-C</div> <div style="text-align: center; margin: 5px;"> DTC-PK-A</div> </div> <div style="text-align: center; margin-top: 10px;"> DTC-PK-PRO</div>
OPTIONS	PRODUCT/FEATURE	PART NUMBER	
CAMERA/MODULE			
	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center; margin: 5px;"> VMD accelerator</div> <div style="text-align: center; margin: 5px;"> Enterprise connection</div> <div style="text-align: center; margin: 5px;"> Detec DBM connection</div> <div style="text-align: center; margin: 5px;"> Software Dev. Kit</div> </div>	DTC-SWN-GPU DTC-SWN-CONNECT1 DTC-SWN-DBM1 DTC-SWN-3RDPTY1	
SERVER			
	<div style="text-align: center;"> Enterprise server</div>	DTC-SWN-ENT	
CLIENT			
	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center; margin: 5px;"> Advanced map</div> <div style="text-align: center; margin: 5px;"> Investigation-mode</div> <div style="text-align: center; margin: 5px;"> Display accelerator</div> <div style="text-align: center; margin: 5px;"> SDK/OPC Client</div> <div style="text-align: center; margin: 5px;"> Enterprise Client</div> </div>	DTC-SWN-AMAP1 DTC-SWN-AQ DTC-SWN-H264V DTC-SWN-SDKUI1 DTC-SWN-ENTUI1	

DTC-PK-X is package solutions consisting of license key, 4 camera/module licenses, storage and one client license (except for DTC-PK-RECHD). This is typically what you need in order to start building a system, but if you like, you can also purchase licenses separately, e.g. without selecting storage and/or 4 camera licenses, because cameras are only to be displayed live and/or you do not need as many as 4 camera licenses.



# DESCRIPTION - NEW DETEC NEXT SYSTEM

A Detec Next system comprise of cameras, one or more servers and one or more clients. With a new Detec Next Software solution, you will need a license key for each recorder/server. You can choose between a hardware (DTC-KEY-USB) or software based (DTC-KEY-SW) license key.

When installing a new system, an administration tool is included. Detec Next Software runs as a Windows service. The administration tool is a utility function that communicates with the service, and normally runs automatically. You can use the administration tool to start and stop a service manually, and to configure certain system settings.

If you are logged in as an administrator, the same settings can also be reached through client user interface in the Setup-mode, and there you will have access to the remaining system settings as well. If you have multiple servers in a system, you can reach these from Setup-mode in the client user interface where you can group them to locations, and you can mirror system settings between servers. For each location you have a number of configuration settings, for example for sorted camera list, map, split patterns, command buttons, command schedules, user management, user activity log, modules, storage, network settings, automatic restart etc.



From Setup-mode you have access to all system settings

When installing new Detec Next Software, a help file is also included, allowing the user to figure out settings and usage on her/his own.

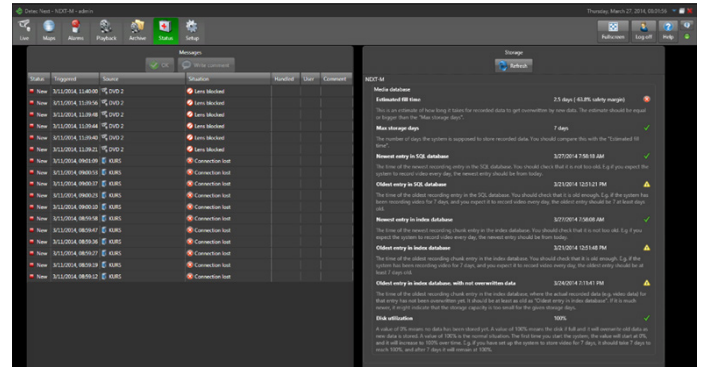
A new Detec Next Software also includes a "Log Viewer" that is an application used to display the content of the log files that Detec Next Software generates.

The software logs information and any errors, warnings and shutdowns on server and client locally

on machine. You can easily export the logs and send them to an installer/Detec for evaluation and technical support.

As a standard, a client user interface is included for use on the central recorder/server, that is, the same machine as you install the license key. This client includes multi-level user login, Real-time-mode, Map-mode, Status-mode and Configure-mode. Other modes will be available depending on which type of camera license and database structure you select. In some cases, a particular mode will be an independent option.

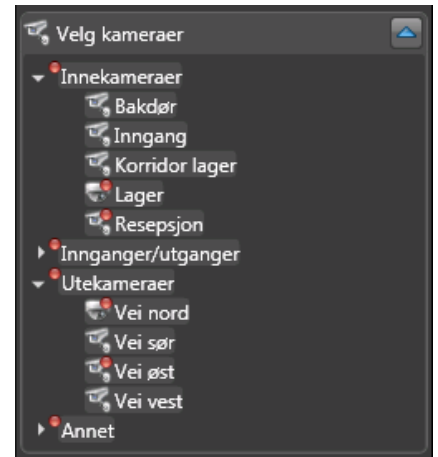
You use Status-mode to check the system's health status. This can be useful when turning to an installer or Detec AS for technical support. You can forward operation messages from Status-mode to other clients, web-clients or as e-mail/SMS.



Status-mode gives you updates on the system health

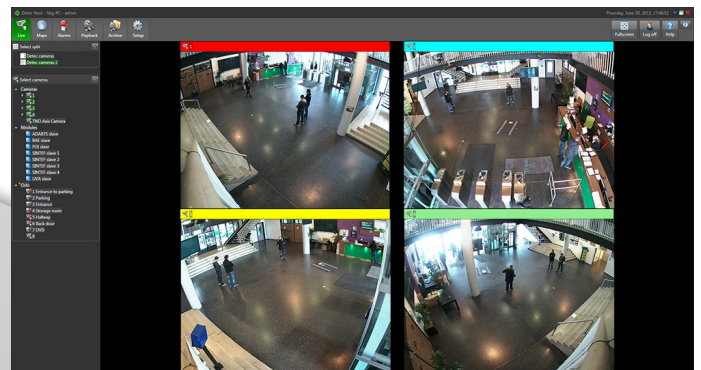
In Setup-mode, you can do almost the same as mentioned about the administrator tool, in addition to the rest of the system settings, client settings on the machine, client settings for user groups, and define which servers shall connect to a client.

Features that run through several types of modes are among others camera list view, where you select how to sort and group cameras, camera window with saving and printing of still image, digital zoom and PTZ-control in image, maximizing/minimizing/closing image, and full-screen view.



You use Live-mode in order to see camera

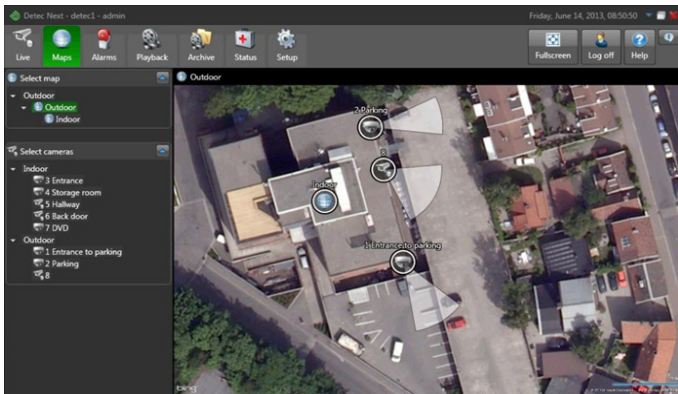
Sorted camera list run through several operator modes



Live-mode is used to watch camera images in real-time

images and other data (e.g. audio) in real-time. In Real-time-mode, you can select pre-defined split patterns. Access is user-controlled. Cameras in split views will be marked in the camera list. Alternatively, you can select one or several cameras directly from the camera list, and position camera windows automatically on screen.

You use Map-mode when you want to see camera placements on maps. Icons on the map indicates the positions and the viewing-angles of the cameras. The administrator can also place icons for clients, servers and other types of modules on the map. The administrator can also add a free number of sub-maps to a main map. You can choose to select and display a map from a map list. The cameras displayed in the map will be marked on the camera list. Alternatively, you can select a camera directly from the camera list, and the corresponding map will open. Access is user-controlled.



Map-mode makes it easy to locate cameras

Advanced user control means that you have different user groups and users with different rights. You can create a free number of your own user groups and users.

In user activity log, you save all changes and moves a user makes in the user interface. Only Windows-users with administrative rights will have access to such logs.

Detec Next Software also includes a web-server application with attached web-clients. The number of web-clients is in principle unlimited and restricted by the performance of the server. A web-server connection to a Detec Next Software server secures video transmission to web-clients. The video data contains a web API towards HTML5 / Javascript web-clients with encrypted data (plug-in free). Web-server connection protects a dynamic handling of bandwidth, as video will be compressed and scaled optimally.

## ADVANTAGES

- Detec Next software is very flexible and scalable, and can be expanded with the number of modules/cameras, servers and clients needed
- You can smoothly move a USB license key from one PC/ server to another, as you do not attach the license to any specific hardware. If you run a software-based license key, the software can also run on virtual server environments.
- The server application runs as a Windows service. This makes the application start automatically when the machine starts, and runs independently from whether a user has logged into Windows or not. The server application will automatically restart again by Windows if the machine shuts down.
- Help functions, Log-viewer and Status-mode makes it easy for the user to find out more about features and settings, or to get

technical support in case of emergency.

- The client user interface enhances the system's flexibility as system settings can be adjusted both directly on server or via client
- Multiple modes with user controlled access with different purposes makes the user interface easy-to-use and clean
- Features and design elements running through multiple modes enhances accessibility and user-friendliness
- In Real-time-mode, pre-defined split patterns with user-controlled access to alterations and naming of patterns and cameras, in addition to automatic positioning of cameras on screen, significantly reduces time to find the cameras you are looking for
- Marking of cameras in the camera-list when selecting a split-pattern, makes it easy to locate single cameras and their groups
- In Map-mode, maps set up with icons for all modules, free number of sub-maps, and with user controlled access to alterations, the maps make it easy to find the location to an event and reduce time to take action on site
- Marking of cameras in the camera list when selecting a map, and naming of cameras and maps, makes it easy to find the location of a camera quickly
- Advanced user control secures the right access level for different kinds of users and user groups. For example, several tenants in a building can share one system, but only access their own cameras. The property owner will typically be the user who possess administrative rights.
- User activity logs ensures that the administrator has an overview over which users who has done what in the system. For example, if someone has changed settings for a client wrongly, the administrator can find out who did it at what time. Access to the user activity log is secured.
- Unlimited number of web-clients is a cost-effective and highly flexible way of achieving user-friendly client solutions



## Part no.: DTC-KEY-USB/SW

### Advantages with Detec Next Web Solution:

- Web-server connection opens up for an unlimited number of web-clients
- Simple and cost-effective way of securing more users access to the system
- You can log on to the system from anywhere in the world without depending on a separate client application and/or fixed IP-addresses
- Data encryption ensures safe transmission
- Dynamic handling of bandwidth through compression and scaling ensures a stable frame rate of good quality
- HTML5 opens up for richer use of JavaScript which enables more logic and a better user experience
- HTML5 is supported by most web-browsers and does not require third party technology (plug-in-free)

### Compatibles/Accessories:

- Detec Next Core Camera/Module License (DTC-SWN-C1)
- Detec Next Database Structure (DTC-SWN-STORAGE1)
- Detec Next Client License (DTC-SWN-UI1)
- Software Update Agreement Detec Next Core Camera/Module License (DTC-AGR-C1)

To make in effect a new system, you need a minimum of 1 x Core Camera/Module License (DTC-SWN-C1) in addition to Detec Next Software – New System (DTC-KEY-USB or DTC-KEY-SW). You obtain Playback- and Archive-mode through selecting type of database structure (DTC-SWN-STORAGE1 or DTC-SWN-RECHD). In order for recorded events to show up in Alarm-mode, you need Advanced Camera/Module License (DTC-SWN-A1).

### System Requirements:

Microsoft Windows 7/ Server 2012 R2, 32 or 64 bit  
Minimum Core i3 processor, 4GB RAM or better. Core i7 processor, 8GB RAM recommended.

## ABOUT DETEC AS

Detec AS was established in 1981 and develop and promote products for video surveillance. More than 30 years experience is your guarantee of a professional partner in the security industry.

Detec AS is Norway's leading developer of software for video surveillance and analysis. Detec AS started with software development in the early 90s and has since the start had a close collaboration with leading research communities on video analysis technology. This co-operation emphasize the importance of our efforts on advanced technology and products, meeting the international requirements of tomorrow.

Detec AS is also a leading distributor of video surveillance equipment in its home-market Norway, and is representing renowned brands such as Sony, HikVision, Arecont Vision, JVC, CBC, Fujinon, Fujitsu and more.

Detec AS has an extensive network of partners consisting of technology partners, suppliers and dealers. Together we can offer complete and tailored security and video surveillance systems to a broad range of different end-users.

DEALER:

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