Keyprocessor Release Note

iProtect™ Aurora

In 2001 Keyprocessor B.V. was the first player on the market to introduce a fully web-based security management system.

Over the years, the iProtect™ Security Management System has continued to grow into a full-fledged security platform where access control, camera surveillance, intrusion detection, people protection, parking management, intercom and time & attendance has been completely integrated.

Keyprocessor B.V. places much value on innovation and is constantly researching technological options. This lead to the introduction of a next generation of iProtect™ in June 2009. This new generation is being marketed under the name **iProtect™ Aurora**.

The user interface of the iProtect™ Aurora version 7.03 has undergone considerable changes regarding its look and feel. Keyprocessor has also added a large number of new features to this new version. This release note lists the most important features.

Security

iProtect™ Aurora has further improved a great deal of communication processes among all components within the system. This means that the encryption of data that runs over the network has been replaced by technologies that are currently considered to be very secure such as AES256, keystores and replay attack security.

In addition, the data between the iProtect™ server and the IPU-8 and Stellar network controllers is compressed, which contributes to decreasing the data traffic over the network. Even on the client side (MS Explorer) only HTTPS protocols are supported which are currently considered to be very secure.

The iProtect™ server with all of its software was scrutinized and tested by several external organizations. The results of these external organizations, such as government agencies, the banking sector and the high-tech industry are very positive about the security level, stability and reliability of iProtect™ Aurora.

Update Mechanism

Starting with iProtect™ Aurora, the automatic firmware update mechanism of the IPU-8, Stellars and the new Polyx network controllers will run over the same over ethernet ports as communication with the server. Thanks to this adjustment it is no longer necessary for FTP ports to be open in the network. The control mechanism has also been adjusted, making the security even more reliable.

Presence Browser

The presence browser, which could be called up directly without login, has been removed from the iProtect™ Aurora. It has been replaced by a new, automatically refreshing dialog in iProtect™ Aurora.

Server Synchronization

Starting with the iProtect™ Aurora it is possible to connect various iProtect™ servers to each other, with which all personal and pass information is synchronized.

The rights of the individuals can be assigned based on "roll-based access control." This makes it possible to manage various locations with their own server from a central location.

Back-up

Starting with version 7.03 of iProtect™ Aurora it is possible to specify how many back-ups must be made and into which subdirectory these should be placed.

Expansion of Alarm Processing

A new button has been added to the alarm processing. With this button you can replace a hard (urgent) alarm to a soft (less urgent) alarm. This provides more clarity regarding priorities in particular when processing many alarms. This button will only be displayed for hard alarms.

Export of People Photos

Exporting photos of people has been greatly simplified within iProtect™ Aurora. Starting with 7.03 a new dialog has been created where this can be done quickly and easily. There are various selection options, such as by name, department of empty fields. Naming during export can be selected from the person's name, administration number or an empty field.
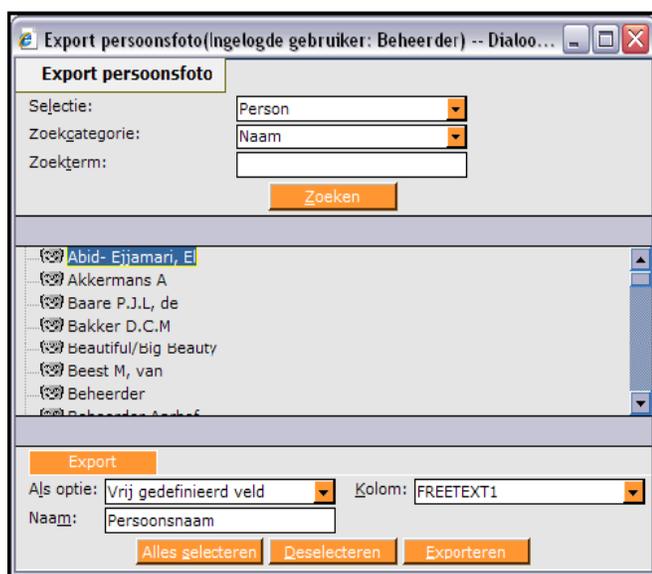
Interactive Map

Within the displayed icons on a map you can use icons to determine whether the functions accessible with a left or right mouse-click do or do not work. This offers more flexibility when several users are using the same maps and prevents certain functions from being accidentally accessed from the map.

Assigning Temporary Map Group

The "temporary map group assignment" function is used to give individuals temporary access to certain locations such as an SER.

For clients that use this function, an extra filter has been made available with which map group selection is limited to those map groups that apply to the reader to whom the pass has been issued.

This function is activated when a known map is offered to a map reader to which he or she has no rights. Then an alarm is sounded at a central location, after which the rights can be immediately assigned for a limited time period.

Localization Function

It is a regular occurrence for requests to be made to quickly and easily track a certain person through a building or for notification to be sent out when a certain pass is issued. This function is very easy to adjust with the iProtect™ Aurora.

You can do this by placing a checkmark next to the map that needs to be tracked. The alarms are displayed in the standard alarm processor, including map and connection to live or historical video images.

Keybadge

Barcodes can now also be created within the keybadge function, which offers new options for visitor passes. An administration number can also be printed on the access pass for a clothing dispenser, for example.
iProtect™ Aurora now supports even more badge printers. You can manage the printer profile yourself for many different printers.

Groupings

Hardware grouping is a very powerful and user-friendly new function. By grouping hardware you can now generate reports of specific components within the system. And, of course, also from several disciplines such as access control and intrusion detection.

Some examples are hardware reports for a department, building or a group of technical components. This tool gives you a wealth of new reporting options.

Parking Account and Lease Contracts

iProtect™ Aurora give you the option to account park. This means that a subsequent calculation is made regarding how many minutes per month a group of people has parked. These time units can be passed on to a sublessee.

iProtect™ Aurora also allows you to create contracts for sublessees of parking spots. This makes it easier to determine what must happen when a contract exceeding has taken place.

The arrangement of the rates to be passed on is very extensive. This way you can create complete diagrams and, if desired, configure which parking rates apply during which time period. For example, first half hour free, then €1.00 per hour and for the next 2 hours thereafter and then €1.00 per each quarter. This adds up to 4 rate structures, whereby 4 different groups can be given a different rate. For example, a different rate will apply to visitors than for employees.

PRIS Connection

PRIS means Parking Route Information System and is the universal connection to a parking reference system that you encounter in the bigger cities of our country. This includes signaling on beltways regarding available parking spaces in the various parking garages in the city.

My iProtect

This very handy user interface for every employee of your company allows you to view data or gives you the option to take care of matters yourself.

My iProtect is primarily focused on efficiency by bringing matters back to the individual employee, which prevents duplicate efforts and/or questions. This happens as follows, among other things:

- *my data:* My iProtect dovetails with the Personal Data Protection Act, whereby each employee has a right to view his or her personal information.
- *my visitors:* Self-registration of visitors saves time. Thanks to this the reception does not need to be notified and the annoyance of incorrect spelling is kept at a minimum because people fill out their information themselves.
- *my colleagues:* Allows you to see which colleagues are present.
- *my time:* The successors of the known info box from the time registration module with the additional option to view and/or print "my reports." This prevents the monthly handing out of printouts and fits in seamlessly with the green concept of saving paper.
- *my password:* Self-management of your password and pin codes.

Intercom Processing Dialog

A very efficient processing dialog has been added for intercom calls. This allows you to see which intercom connections have been made and which still need to be answered. Of course, the correct camera is immediately selected and access can be provided.

Keyprocessor Release Note
iProtect™ Aurora

Workstation Grouping and Linking

Within intercom processing you can now group entries and link main entries to a workstation. This means that the various employees will only see and have to process a call if the call is truly intended for them.

Camera Multiviews

Various functions have also been added to camera processing, such as "multiviews." These views to be compiled can contain fixed images but can also be controlled through events in iProtect™ Aurora.

For example, in the event of a break-in alarm or rejection of an access pass, the cameras that are positioned closest to the intrusion detector can be immediately sent to the multiviews. Thanks to this three camera images can be simultaneously replaced by the three relevant camera images.

Another example is that with an intercom call the camera that is aimed inside the vehicle and an overview camera are switched to the multiview.

Logical Expressions

iProtect™ Aurora contains logical expressions (also called proposition logic), a combination of values, variables and operators that are evaluated to an answer with the value "true" or "not true."

This sounds complicated but the gist of it is that you can logically compare all variables present in iProtect™ with each other using an 'and', 'nand', 'or', 'nor' or 'xor' operator.

Local Timers

Local timers are timers that can be activated on the IPU or the Polyx network controller. This makes it possible to generate blinking signals such as traffic signals for sliding doors and/or gates.

Another example is the combination with the above-mentioned logical expression: when "water detection access is activated for longer than 300 seconds, do not generate an alarm" or "if there is no voltage for longer than 10 minutes, generate an alarm." Several timers can be used at the same time on each IPU or Polyx controller.

Polyx Support

The Polyx is the new universal core of Keyprocessor's controllers that provide End-to-End security, among other things. From the map or pass to the user interface on the PC, all data traffic enjoys high-level security.
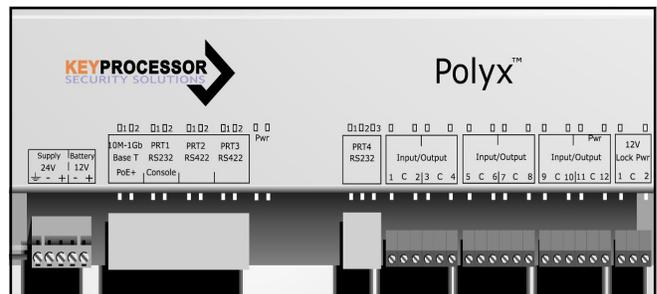
Would you like more information about the iProtect™ Aurora or other components? Then please contact your installer or advisor.