



Event Manager Module Settings and Operation Guide

ACFA PSIM 1.1

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Table of Contents

1	List of terms used in the Event manager Module Settings and Operation Guide	3
2	Event Manager Module Settings and Operation Guide. Introduction	4
2.1	Purpose of the document	4
2.2	General information about the Event Manager module	4
3	Licensing of the Event Manager module	5
4	Configuring the Event Manager module	6
4.1	Creating the Event Manager objects	6
4.2	Specifying parameters of the Event Manager module	7
4.3	Configuring the rules of displaying	11
4.4	Configuring the operator reactions	13
4.5	Configuring templates of displaying	15
5	Working with the Event manager module	18
5.1	Starting and stopping the Event manager module	18
5.2	Example of working with the Event manager module	18

1 List of terms used in the Event manager Module Settings and Operation Guide

Unlock time—time period from the moment of user identification, after which the lock gets unlocked.

Access—movement of people, vehicles, and other objects to (from) premises, buildings, areas and territories.

Actuators—a turnstile, gate, boom barrier, or door equipped with an electromagnetic or electromechanical lock. Actuators are managed by controllers and receive information about controllers' status.

Access Control System (ACS)—a hardware and software system for controlling and managing access.

Reader—an electronic device for entering human-memorable PINs with the keypad or for reading PINs from the system's security tokens.

Access point—a point where access control is performed. An access point may be a door, a turnstile, a gate, or a boom barrier equipped with a reader, an electromechanical lock, or other access control devices.

Informational event—an event on the displaying template of which there aren't any buttons.

Event requiring processing—an event waiting for an operator action with it.

2 Event Manager Module Settings and Operation Guide. Introduction

On the page:

- [Purpose of the document](#)
- [General information about the Event Manager module](#)

2.1 Purpose of the document

The *Event Manager Module Settings and Operation Guide* is a reference guide for configuration specialist and operators of the *Event Manager* module. This module is a part of *ACFA PSIM*.

In this Guide, you will find:

1. General description of the *Event Manager* module
2. Configuration of the *Event Manager* module
3. Working with the *Event Manager* module

2.2 General information about the Event Manager module

The *Event Manager* software module is a component of *ACFA PSIM* and supports the following actions:

1. Display photo and data about user when access is requested;
2. Display image from camera when access is requested;
3. Create pass templates displayed on the screen for each reader;
4. Select objects, by events from which the Event Manager window is displayed;
5. Configure actions available for an operator in the Event Manager window when access is requested;
6. Record, store and display protocol of operator actions.

Attention!

The *Event Manager* software module must be installed not only on those computers on which it is planned to be displayed, but also on those computers which hardware contains event sources for display. For such computers, it is enough just to install this software module, it is not necessary to configure it.

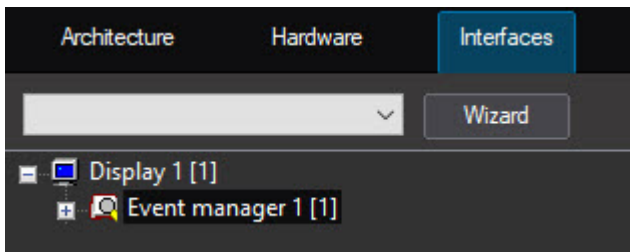
3 Licensing of the Event Manager module

The *Event Manager* module is licensed per 1 object.

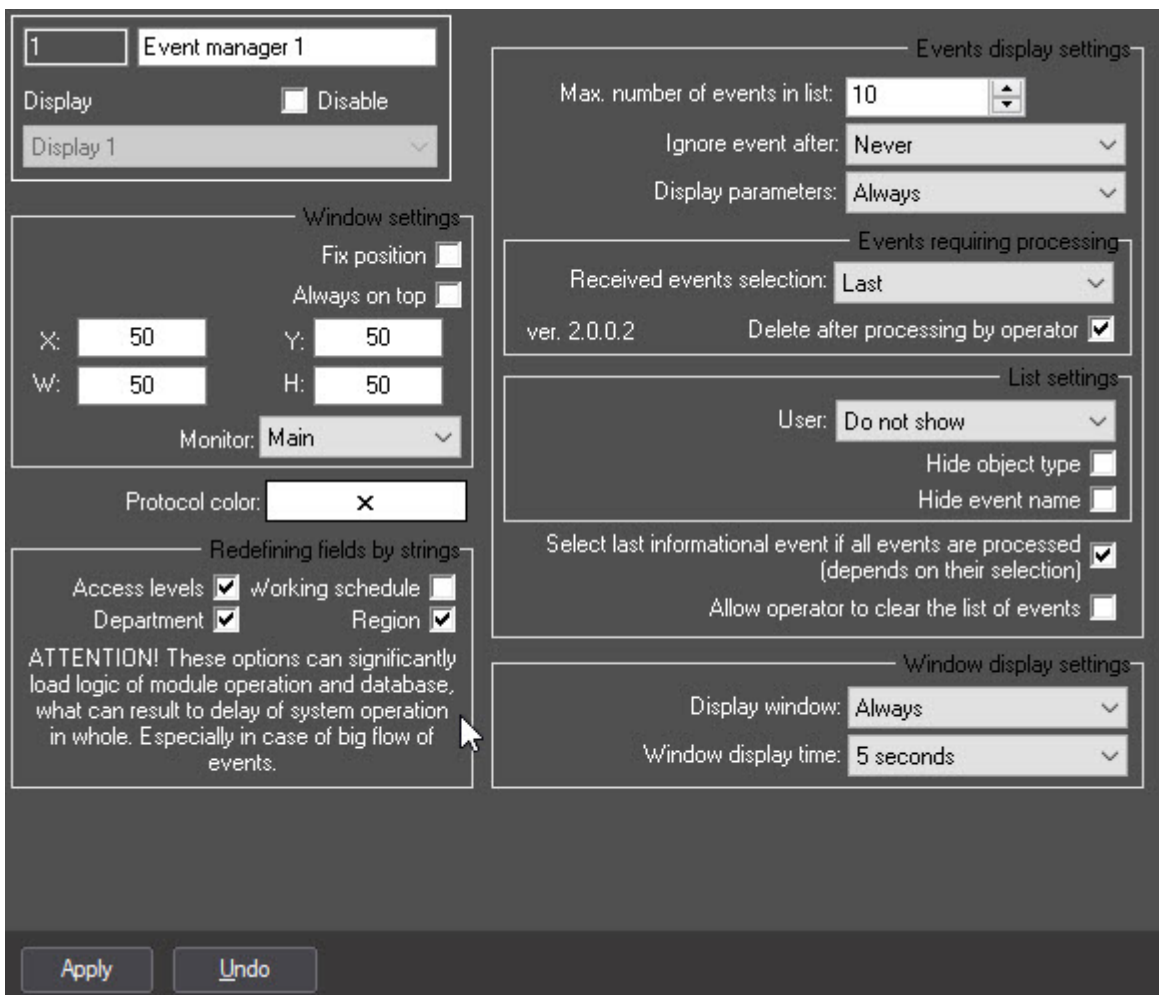
4 Configuring the Event Manager module

4.1 Creating the Event Manager objects

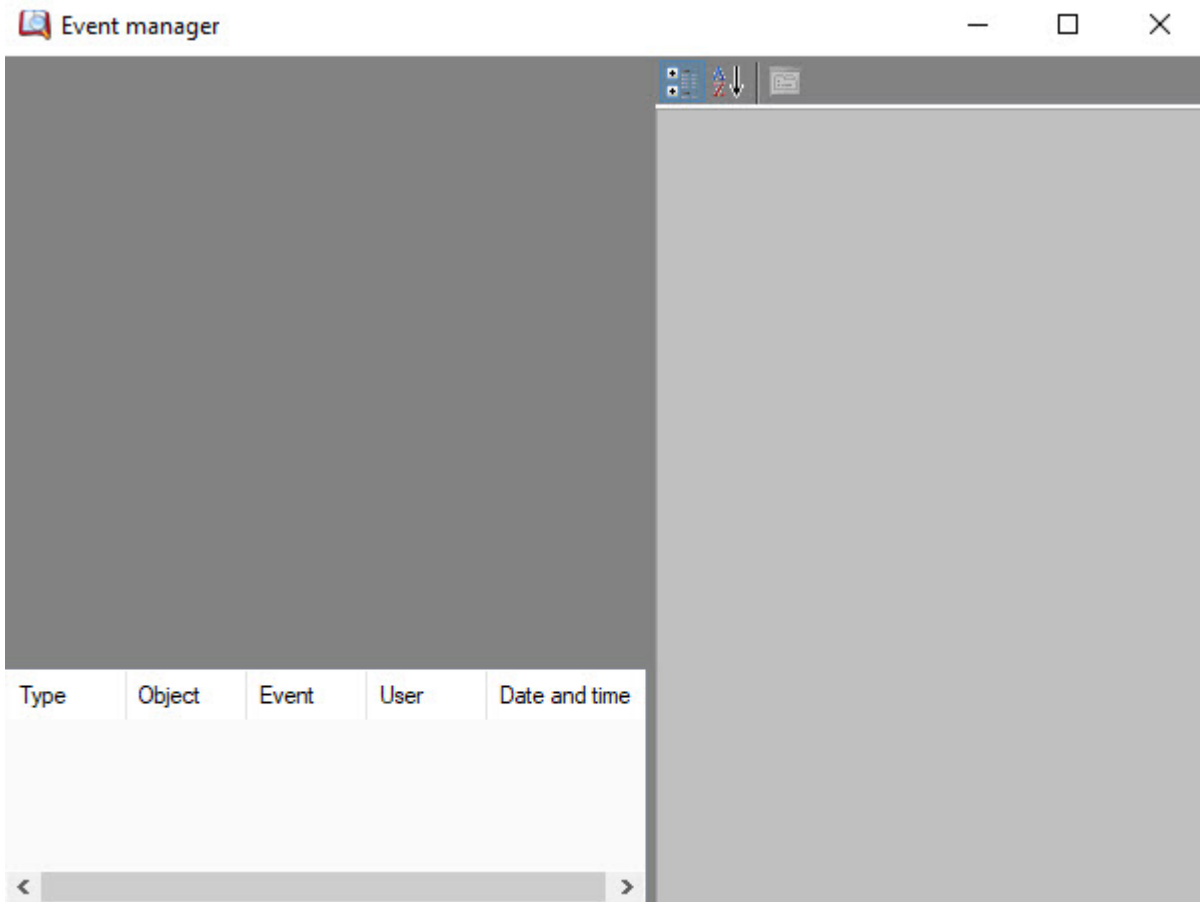
The **Event manager** object is created on the basis of the **Display** object on the **Interfaces** tab of the **System settings** dialog window.



After the object is created, the settings panel of the **Event manager** object will be displayed.



Also, as a result of creating the **Event manager** object, the **Event manager** operator's query window will be created automatically.



The **Event manager** object is created.

4.2 Specifying parameters of the Event Manager module

To configure the *Event manager* module on the settings panel of the **Event manager** object, do the following:

- Go to the settings panel of the **Event manager** object.

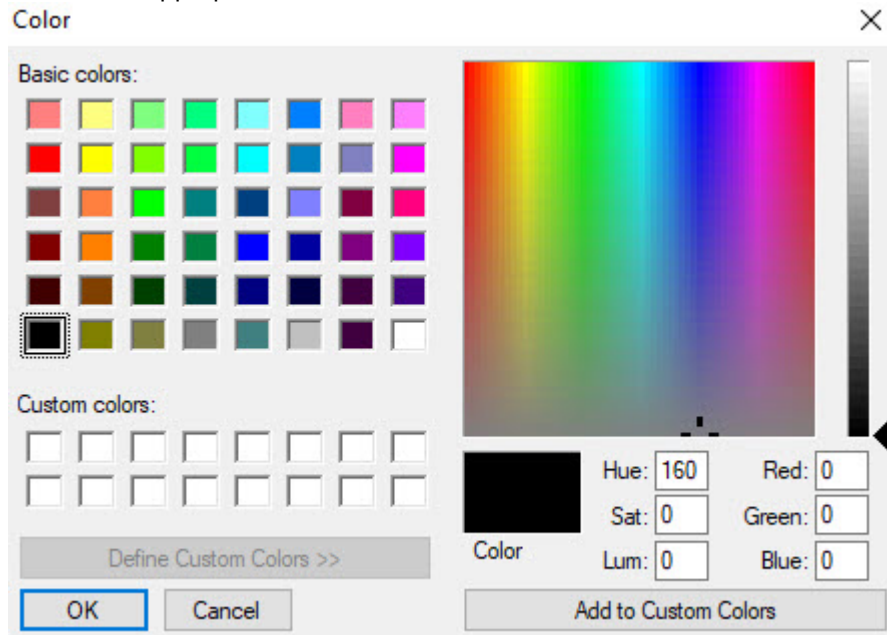
The screenshot shows the configuration interface for the Event Manager module. It includes sections for display settings, processing requirements, list management, window positioning, and field redefinition. The 'Window settings' section is highlighted in the subsequent steps.

- Adjust the position of the *Event manager* interface window:
 - Set the **Fix position** checkbox to fix the interface window at the specified coordinates preventing it from moving on the screen. If the checkbox is set, the interface window is displayed without heading and it is impossible to change size of window by markings and to close it.

This close-up view focuses on the window positioning options, showing that 'Fix position' and 'Always on top' are currently disabled.

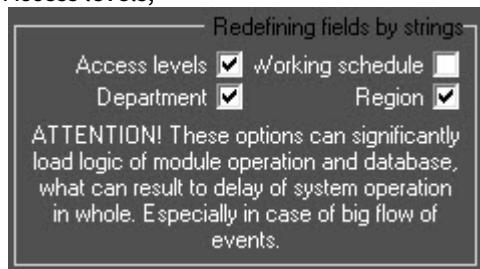
- Set the **Always on top** checkbox if it's required to display the interface window on top of all opened windows.
- To configure position of the *Event manager* window, specify coordinates of the window's upper left corner in the **X** and **Y** fields and its width and height in the **W** and **H** fields.
- From the **Monitor** drop-down list, select the number of monitor in the system, on which the *Event manager* window must be displayed.

- e. Click the **Protocol color** button if it is necessary to set an arbitrary protocol color in the *Event manager* window. As a result, the standard Windows color palette window opens, in which you need to select the appropriate color.



3. In the **Redefining fields by strings** group, set the checkboxes next to the fields for which the digital values stored in the *Axxon PSIM* database must be displayed as text:

- a. Access levels;



- b. Department;
c. Working schedule;
d. Region.

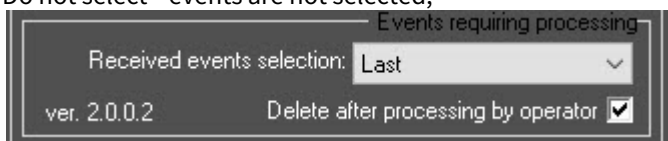
4. Specify settings for displaying events in the *Event manager* window:

- a. In the **Max. number of events in list** field, specify the maximum number of events that will be displayed in the *Event manager* window. The default value is **10**. If you set the value to **0**, the protocol located in the lower part of the **Event manager** interface window will be hidden, and the area of the specified Template of displaying will be proportionally enlarged.

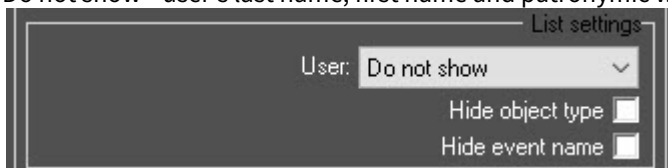


- b. From the **Ignore event after** drop-down list, select the time period after which event will be ignored by the *Event manager* module. If time period from the moment of event receiving exceeds the specified period then such events won't be displayed in the *Event manager* window. Select the **Never** value to display all events of any period of limitation.

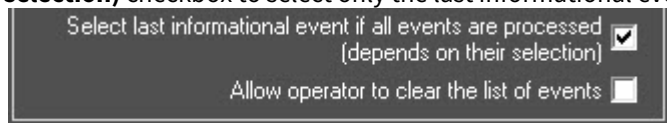
- c. From the **Display parameters** drop-down list, select the way of displaying section of the *Event manager* window containing parameters of a user related to the event:
 - i. Always—section of the *Event manager* window containing user parameters is displayed all the time (see [Example of working with the Event manager module](#)). If event not relating to user is selected, then this section will be empty.
 - ii. Never—section of the *Event manager* window containing user parameters is never displayed.
 - iii. If it's required—section of the *Event manager* window containing user parameters is displayed only if there is user related to the selected event. In this case, only the user parameters specified on the **Field** and **Additional field** tabs on settings panel of the **Rule of displaying** object (see [Configuring the rules of displaying](#)) will display. If the informational event is selected or the corresponding user is not found, then this section won't display.
- d. From the **Received events selection** drop-down list, select a method of selecting events that require processing:
 - i. Do not select—events are not selected;



- ii. First—only the first event is selected;
 - iii. Last—only the last event is selected.
 - e. Set the **Delete after processing by operator** checkbox to delete the events that were already processed by an operator from the list and leave only the current events.
- 5. Specify the protocol list settings of the *Event manager* window:
 - a. In the **User** field, select the option to display the user's last name, first name and patronymic:
 - i. Do not show—user's last name, first name and patronymic will be hidden;



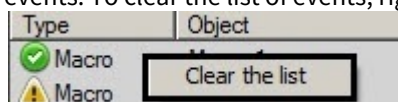
- ii. Surname—only the user's surname will be displayed in the protocol;
 - iii. Surname and initials—user's last name and initials will be displayed;
 - iv. Full name—user's full name (last name, first name and patronymic) will be displayed.
 - b. Set the **Hide object type** checkbox to hide the **Object type** column in the protocol.
 - c. Set the **Hide event name** checkbox to hide the **Event** column in the protocol.
 - d. Set the **Select last informational event if all events are processed (depends on their selection)** checkbox to select only the last informational event.



Note

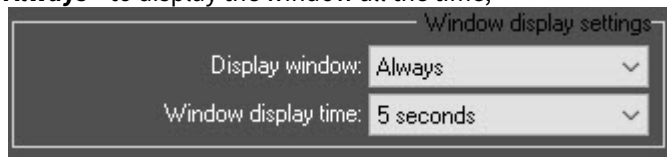
If there is at least one unprocessed event, the last informational event won't be selected.

- e. Set the **Allow operator to clear the list of events** checkbox to allow an operator to clear the list of events. To clear the list of events, right-click anywhere in the protocol and select **Clear list**.



- 6. Specify the *Event manager* window display settings:

- a. From the **Display window** drop-down list, select the value determining the way of displaying the *Event manager* window:
 - i. **Always**—to display the window all the time;



- ii. **On event**—to activate window by event from device or hide it after finishing of operator actions.
- b. From the **Window display time** drop-down list, select time period, during which the *Event manager* window will display after the event receiving.

Note

Window display time must be specified only if the **On event** way of window displaying is selected.

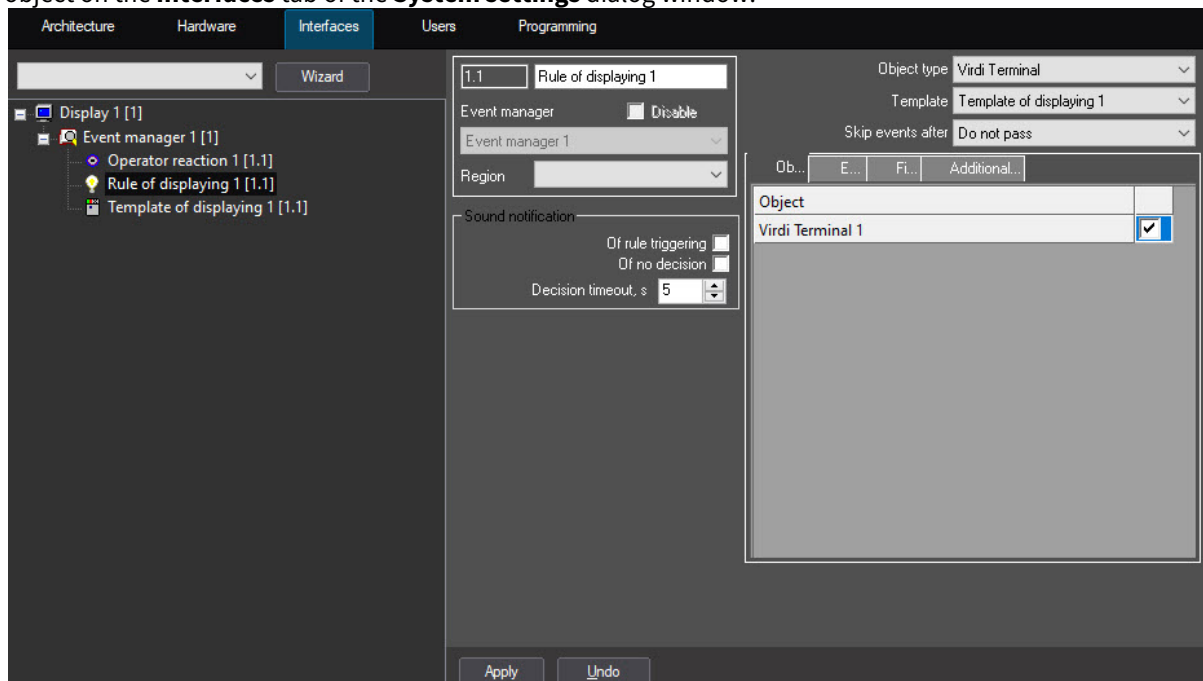
7. Click **Apply**  button to save the changes.

Specifying the parameters of the **Event manager** object is complete.

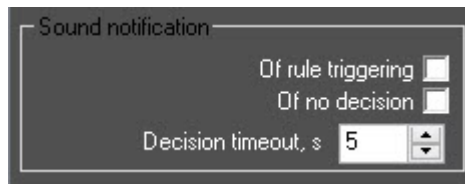
4.3 Configuring the rules of displaying

To configure the rule of displaying, do the following:

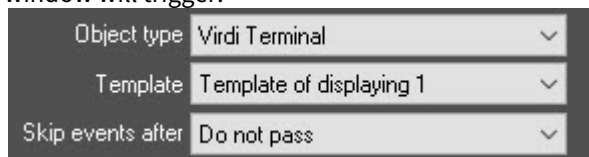
1. Go to the settings panel of the **Rule of displaying** object that is created on the basis of the **Event manager** object on the **Interfaces** tab of the **System settings** dialog window.



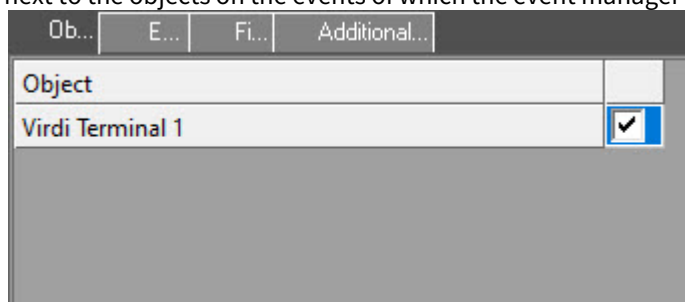
2. Set the **Of rule triggering** checkbox if it is necessary to enable sound notification at the moment of rule triggering (see [Set sound notification](#)).



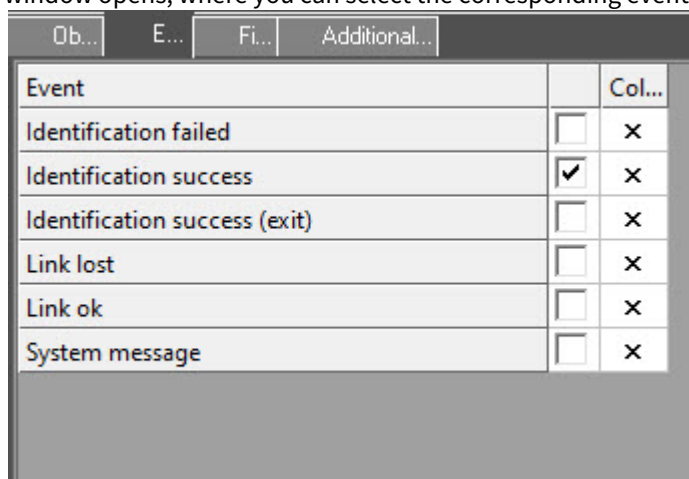
3. Set the **Of no decision** checkbox if it is necessary to enable sound notification in case of decision missing.
4. In the **Decision timeout, s** field, specify the time period in seconds during which an operator must make a decision. If an operator doesn't make a decision during the specified time period, then the sound notification will trigger (if the **Of no decision** checkbox is set).
5. From the **Object type** drop-down list, select the type of object on the events of which the event manager window will trigger.



6. From the **Template** drop-down list, select the template of displaying which will be assigned to this rule of displaying.
7. From the **Skip events after** drop-down list, select the time period after which the events that haven't been processed by an operator will be considered as skipped.
8. On the **Objects** tab, there is a list of objects of the selected type created in *Axxon PSIM*. Set the checkboxes next to the objects on the events of which the event manager window will trigger.



9. On the **Events** tab, set the checkboxes next to the events which must be used for this object, and, if necessary, set an arbitrary color for this event. When you click the **X** button, the standard Windows color palette window opens, where you can select the corresponding event color.



10. On the **Fields** tab, set the checkboxes next to the database fields which must be displayed in the event manager window when receiving events. The specified set of the displayed parameters is valid only for this rule of displaying.

Ob...	E...	Fi...	Additional...
Field			Category
Access level	<input type="checkbox"/>		Basic
Access level assigned by	<input type="checkbox"/>		Basic
Antipassback	<input type="checkbox"/>		Basic
Birth place	<input type="checkbox"/>		Basic
Card issued by	<input type="checkbox"/>		Basic
Card lost	<input type="checkbox"/>		Basic
Card number	<input type="checkbox"/>		Basic
Commencement of card	<input type="checkbox"/>		Basic
Comment	<input type="checkbox"/>		Basic
Current region	<input type="checkbox"/>		Basic
Date of card issue	<input type="checkbox"/>		Basic
Date of firing	<input type="checkbox"/>		Basic

By default, all database fields have the **Basic** category. To change the category of a field, double-click the left mouse button on the cell corresponding to this field in the **Category** column and enter the name of a new category.

- On the **Additional field** tab, the additional fields of database are presented.

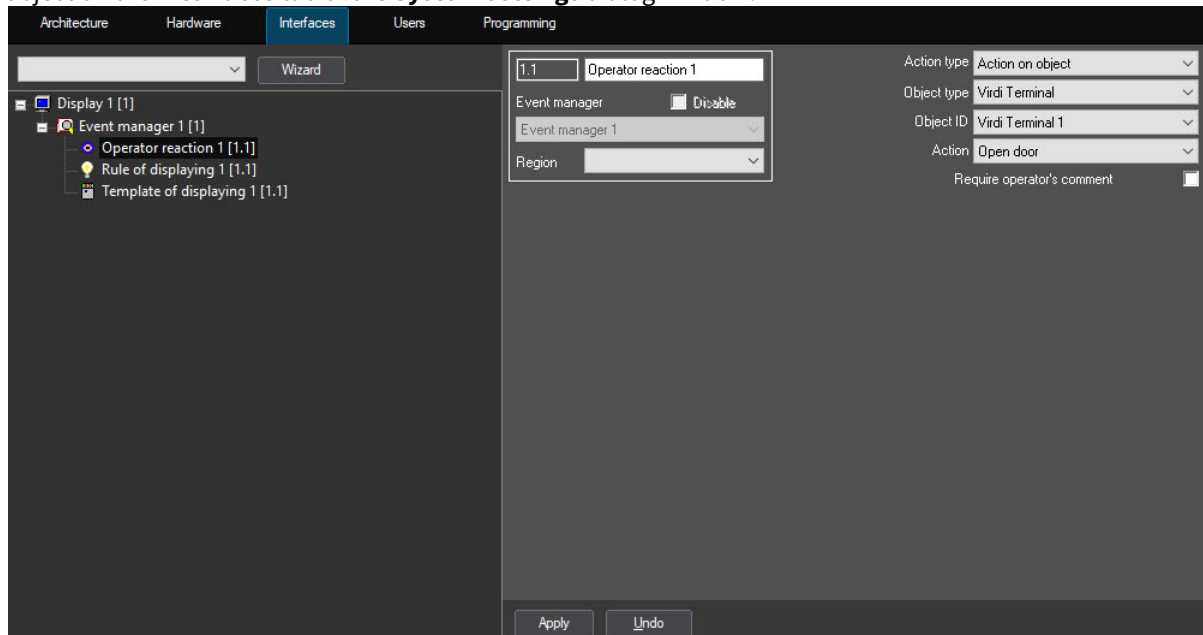
Ob...	E...	Fi...	Additional...
Field		*	Type
Access mode	<input type="checkbox"/>		String
Apollo SDK v.2 extention	<input type="checkbox"/>		String
Biosmart. Number of fingerprints	<input type="checkbox"/>		String
Biosmart. Number of face templates	<input type="checkbox"/>		String
Sigur wiegand	<input type="checkbox"/>		String
Dahua: fingerprints	<input type="checkbox"/>		String
Allow multiply access	<input type="checkbox"/>		String
Galaxy Dual	<input type="checkbox"/>		String
Galaxy Dual Access	<input type="checkbox"/>		String
Galaxy Dual Focus	<input type="checkbox"/>		String
Galaxy Duress	<input type="checkbox"/>		String
Galaxy Group Choice	<input type="checkbox"/>		String

- Click the **Apply**  button to save the changes.

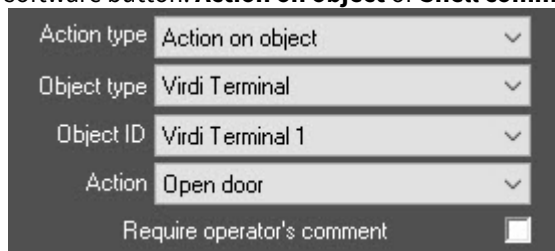
4.4 Configuring the operator reactions

To configure the operator reaction, do the following:

1. Go to the settings panel of the **Operator reaction** object that is created on the basis of the **Event manager** object on the **Interfaces** tab of the **System settings** dialog window.



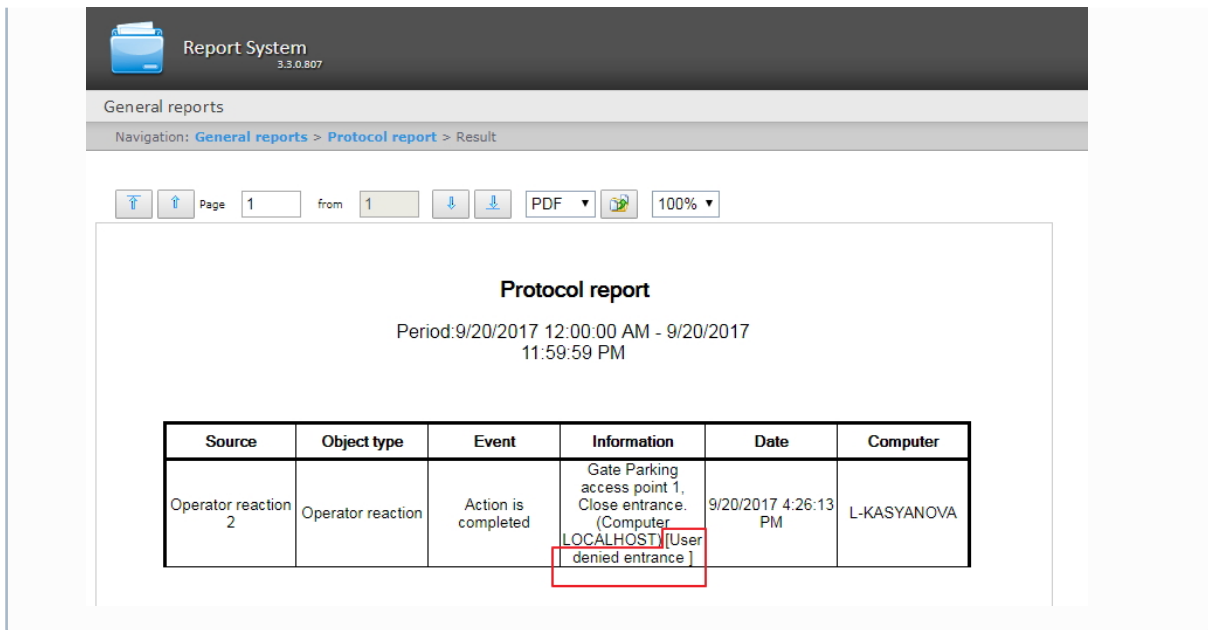
2. From the **Action type** drop-down list, select the type of action that will be executed when you click the software button: **Action on object** or **Shell command**.



3. From the **Object type** drop-down list, select the type of object on which the reaction will be sent when you click the software button.
4. From the **Object ID** drop-down list, select the identification number of an object in *Axxon PSIM*.
5. From the **Action** drop-down list, select the reaction that will be sent to the object when you click the software button.
6. Set the **Require operator's comment** checkbox to display a window with a mandatory requirement to enter a comment when you click the software button.

Note

Comments entered by an operator when making a decision are stored in the database and automatically displayed in the protocol report when the **Operator reaction** event is selected. For more information, see [Protocol report](#) in the *Axxon PSIM WEB Report System. User Guide*.



Report System
3.3.0.807

General reports

Navigation: [General reports](#) > [Protocol report](#) > Result

Page 1 from 1 PDF 100%

Protocol report

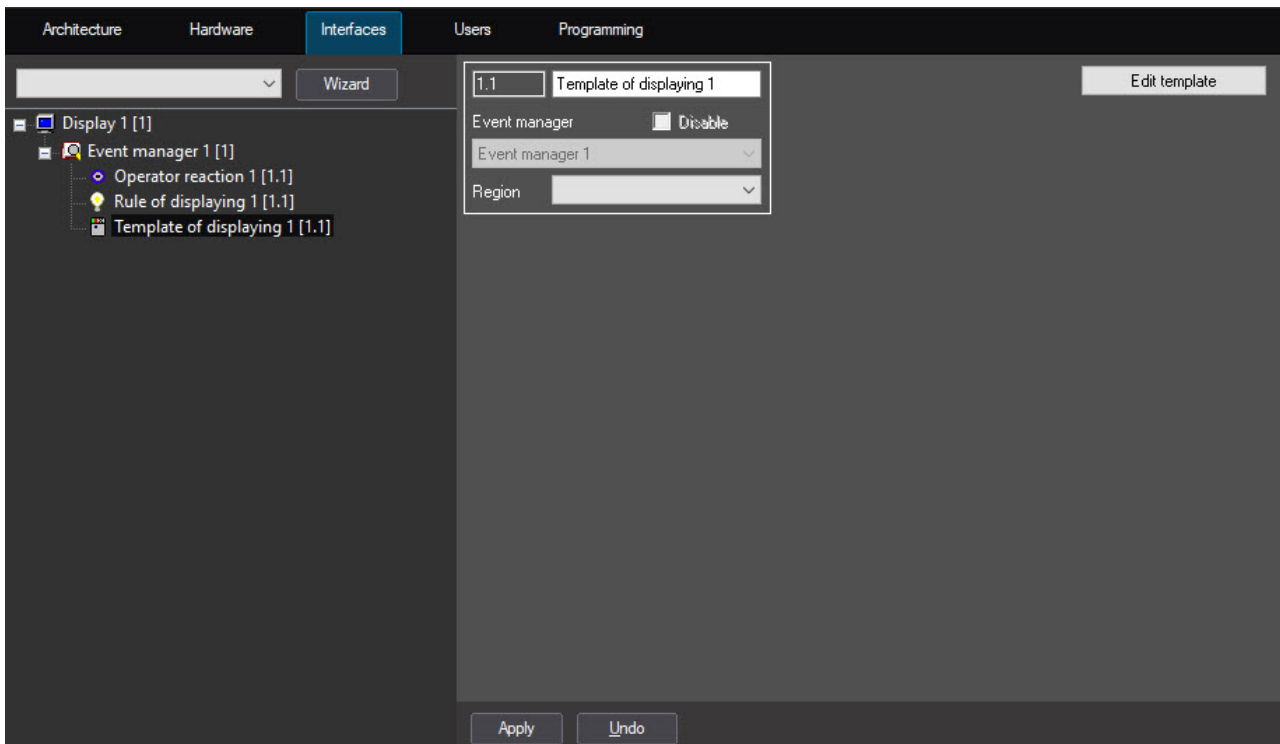
Period:9/20/2017 12:00:00 AM - 9/20/2017 11:59:59 PM

Source	Object type	Event	Information	Date	Computer
Operator reaction 2	Operator reaction	Action is completed	Gate Parking access point 1, Close entrance. (Computer LOCALHOST)[User denied entrance]	9/20/2017 4:26:13 PM	L-KASYANOVA

7. Click the **Apply**  button to save the changes..

4.5 Configuring templates of displaying

The **Template of displaying** object is created on the basis of the **Event manager** object on the **Interfaces** tab of the **System settings** dialog window.



Architecture Hardware **Interfaces** Users Programming

Wizard

Display 1 [1]

- Event manager 1 [1]
 - Operator reaction 1 [1.1]
 - Rule of displaying 1 [1.1]
 - Template of displaying 1 [1.1]

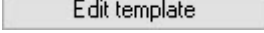
1.1 Template of displaying 1 Edit template

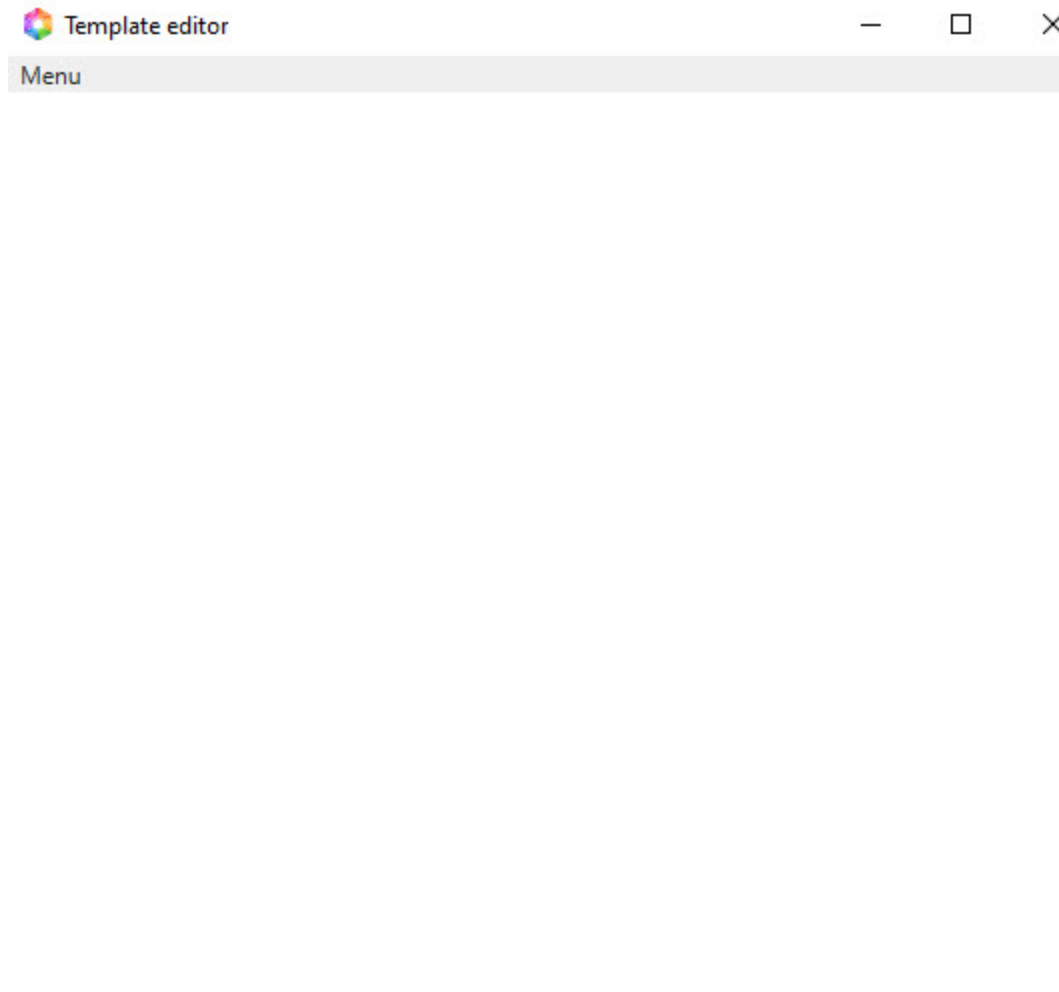
Event manager Disable

Event manager 1

Region

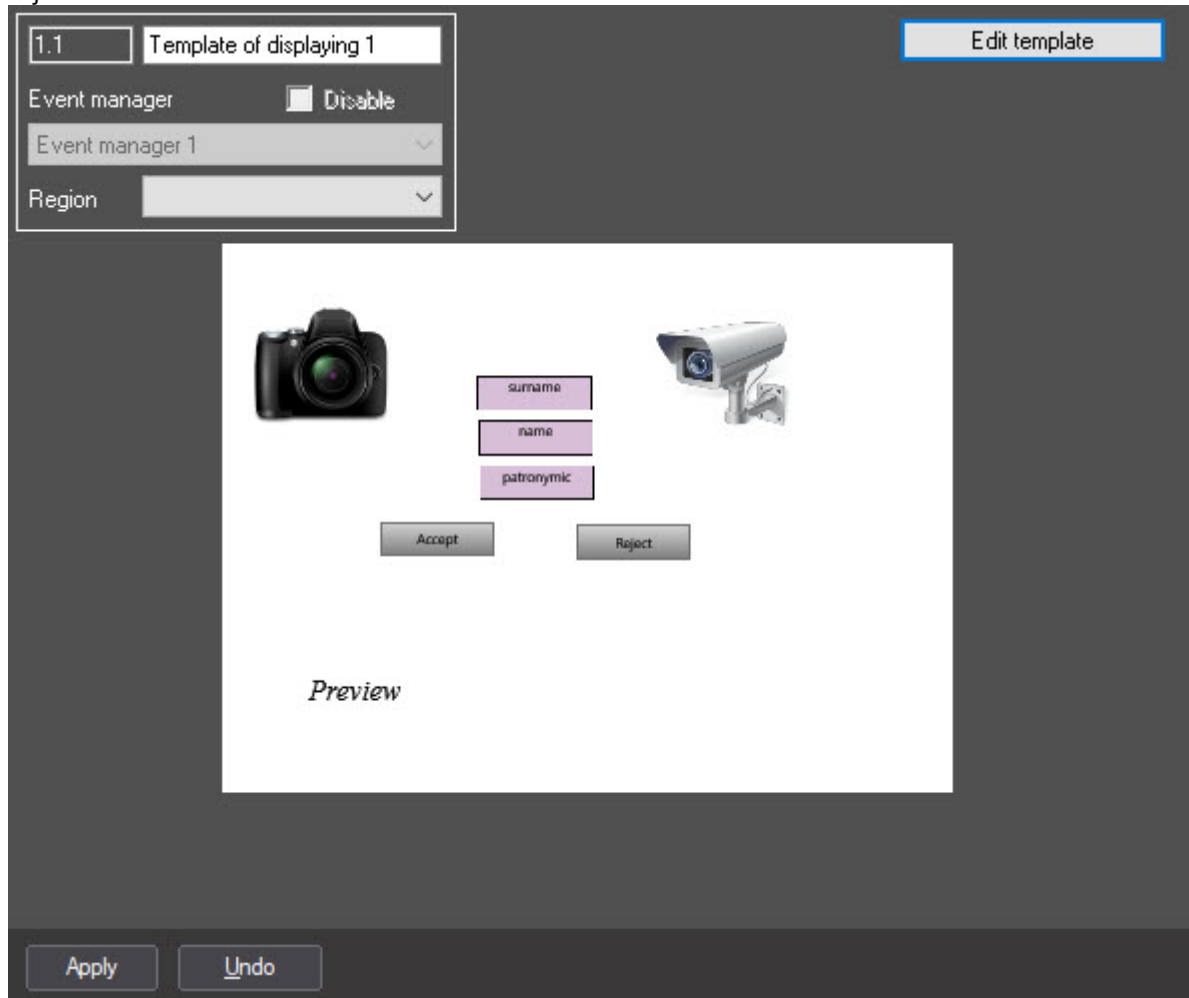
Apply Undo

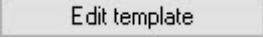
1. To create a new template of displaying click the **Edit template**  button on the settings panel of the **Template of displaying** object. As a result, the **Template editor** window will open.



Working with the Template editor window is described in the [Template Editor Utility Operation Guide](#). As a result, the created template will be displayed on the settings panel of the **Template of displaying**

object.



- To edit an existing template of displaying, click the **Edit template**  button again. As a result, a window with an existing display template will open.

To save changes, click the **Apply**  button.

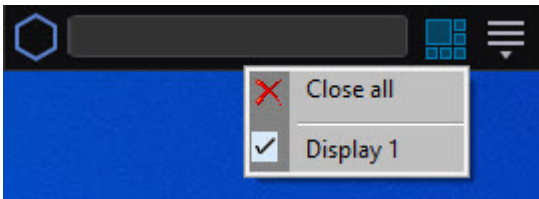
5 Working with the Event manager module

5.1 Starting and stopping the Event manager module



The **Event manager** window is a standard interface window of *ACFA PSIM*. Starting and closing of this window is performed using the **Display** menu of the main control panel.

Note

The **Event manager** object must be created on the basis of the corresponding display on the **Interfaces** tab to run the *Event manager* module.



To display the **Event manager** interface window, select the **Display** object on the basis of which the corresponding **Event manager** object is created. To hide the **Event manager** window, select **Close all**.

To close the **Event manager** window, use the  button. In this case, to reopen this window, double click the icon  in the Windows taskbar. When you hover the mouse cursor over the icon, the name of the **Event manager** object corresponding to the **Event manager** interface window is displayed.

Note

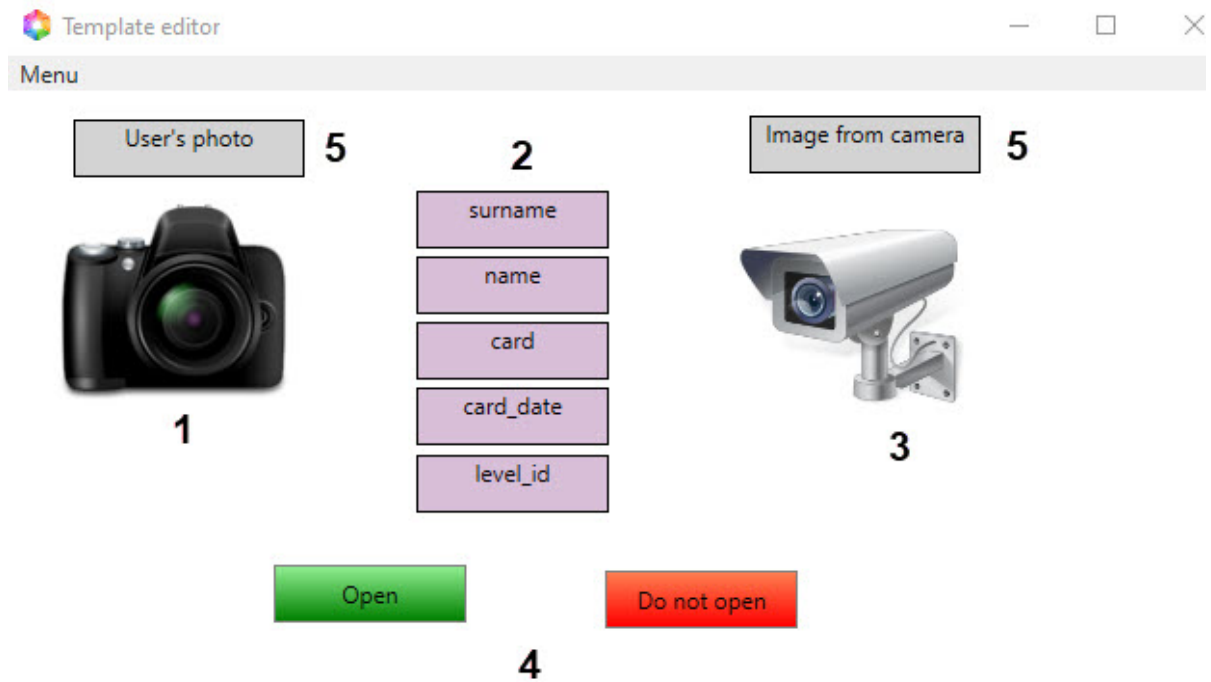
The module icon is displayed in the Windows system tray, depending on the value of the *DebugLevel* setting in the *HKLM->Software->Wow6432Node->AxxonSoft->Axxon PSIM->Debug* branch of the Windows Registry. If this parameter is set to 0, blank, or missing, the icon will not be displayed. If the parameter has a non-zero value, the icon will be displayed

5.2 Example of working with the Event manager module

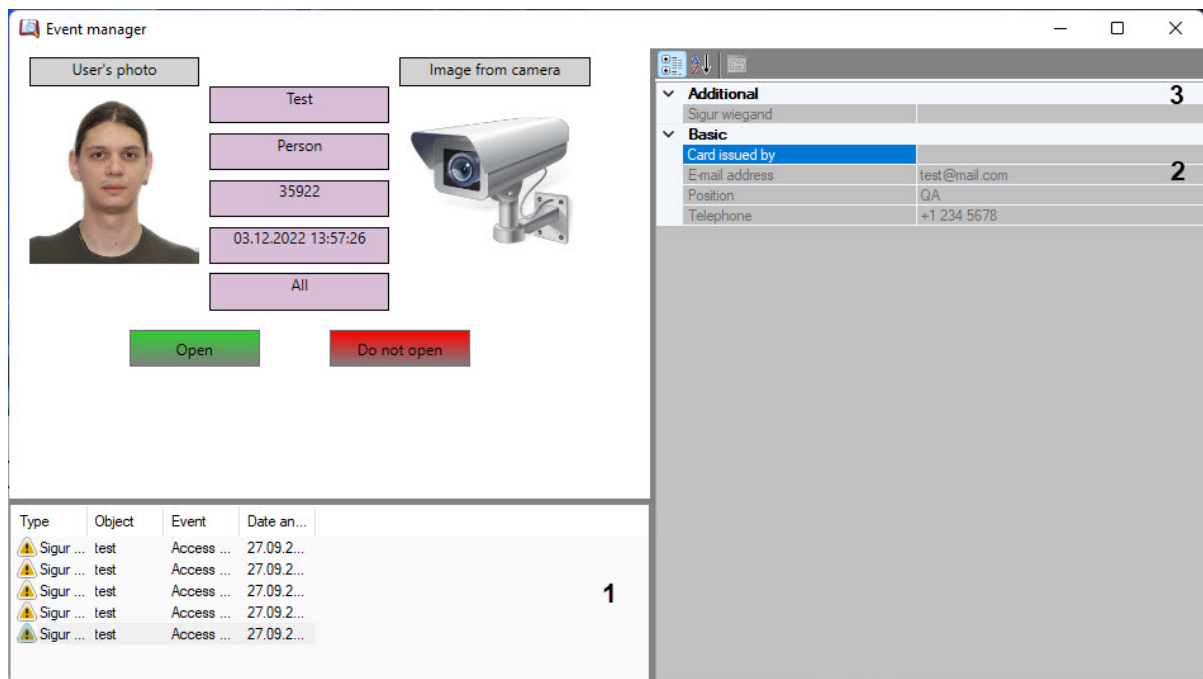
Below is an example of how the *Event manager* module works. It is required to monitor employee access through the specified door equipped with card readers and video camera for matching employee photo stored in the *Axxon PSIM* database and the image of a person who swipes the card.

Do the following:

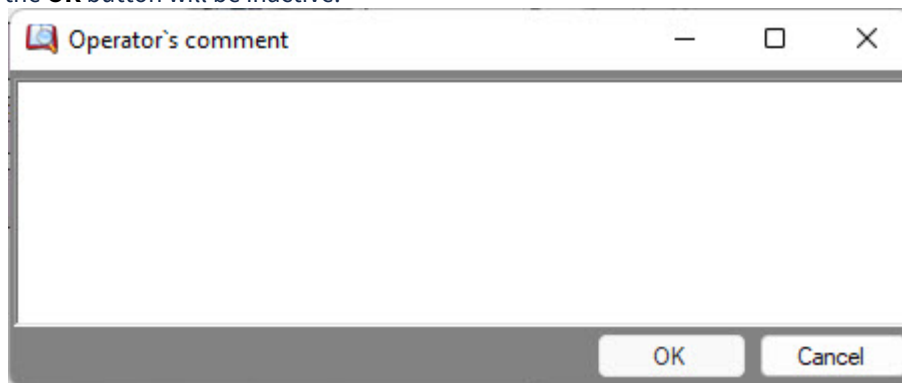
1. Create the template of displaying using the template editor and add to it objects which should be displayed in the Event manager window:



- field for displaying a photo assigned to an employee (**1**);
 - database fields (**2**);
 - field for displaying an image from a video camera (**3**);
 - buttons of actuators control (**4**);
 - text fields with explanation (**5**).
- Configure events and reactions for the Event manager window (see [Configuring the rules of displaying](#) and [Configuring the operator reactions](#)). Select the **Access permitted** or **Access denied** event to display and **Open** or **Do not open** as reactions. For the **Do not open** reaction, set the **Require operator's comment** checkbox.
 - After all configurations are done, when a user swipes a card, the Event manager window will look as shown in the figure.



If the **Require operator's comment** checkbox was set at step 2, then after you click the **Do not open** button, a window is displayed where you must enter a comment to complete the action. Until you enter a comment, the **OK** button will be inactive.



In the lower left part of the **Event manager** window (1), there is a protocol that displays the events and objects which are specified in the rule of displaying for the current template, as well as the operator action status, object type, object name, event name, user name as specified in the settings, and date and time of the event.







Note

If the **Hide object type**, **Hide event name** checkboxes are set or **Do not show** value for the **User** field is selected in the *Event manager* settings, then the **Type**, **Event**, and **User** columns are absent in the *Event manager* protocol, respectively (see [Specifying parameters of the Event Manager module](#)).

In the upper right part of the **Event manager** window (2), there is a list of user parameters specified in the current template of displaying, and the information related to them.

In the lower right part of the **Event manager** window (3), there is an information from the **Additional information** (comment) parameter of the user.

The action status icons are as follows:

1.  —event processed by an operator;
2.  —event process by an operator from other computer;
3.  —waiting for an operator action;
4.  —event was skipped on the expiry of the specified time period;
5.  —informational event;
6.  —waiting timeout expired for the event.