

Operator's Guide

POS PSIM 1.0.1 (english)

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1 Terms and abbreviations

The following terms are used throughout this document:

1. The Guide – the *POS PSIM*. Operator's Guide document
2. The System – the *POS PSIM* software system
3. Video Surveillance Monitor/Monitor – the interface window for displaying and controlling video tiles
4. Video tile – surveillance window with the receipt details superimposed over video of transactions
5. Titles DB – the titles database
6. Receipts DB – the receipts database.

2 Operator's Guide. Introduction

On the page:

- [The purpose and structure of the guide](#)
- [The purpose of the POS PSIM system](#)
- [Recommendations for using the POS PSIM system](#)

2.1 The purpose and structure of the guide

The *POS PSIM. Operator's Guide* is a reference manual to be used by operators of the *POS PSIM* software package.

2.2 The purpose of the POS PSIM system

The *POS PSIM* software package is designed for monitoring cashier operations in retail shops and has the following functionality:

1. Simultaneous viewing of the video image, the receipt contents and the POS terminal events in real time.
2. Simultaneous recording of the video image, the receipt contents and the POS terminal events.
3. Creating user queries allowing to search the video archive by receipt contents and by system events.
4. Integration with common POS terminals.
5. Possibility to create, view and process general and itemized on the POS terminal events in *Axxon PSIM WEB Report System* subsystem.

2.3 Recommendations for using the POS PSIM system

For correct operation of the *POS PSIM* system, please follow these recommendations:

1. Follow the job description accurately.
2. Use the system for the intended purpose only.
3. Do not use the computer with *Axxon PSIM* installed, to run other software which is not part of the *Axxon PSIM* package.

3 General description of POS PSIM

POS PSIM includes the following software modules:

1. The basic version of *Axxon PSIM* — *Axxon PSIM* (base).
2. *POS-operations* module.

The *POS-operations* module has the following functionality:

1. Simultaneous viewing of the video image, the receipt contents and the POS-terminal events in real time.
2. Simultaneous recording of the video image, the receipt contents and the POS-terminal events.
3. Creating user queries allowing to search the video archive by receipt contents and by system events.
4. The module provides user interfaces for the following functional modules:
 - a. *Monitor* module (video and captions display), represented by the **Monitor** window;
 - b. *Captions search* module (searching the video database by captions), represented by the **Captions search** window;
 - c. *Receipt viewer* module (searching the receipts by event), represented by the **Receipt viewer** window.

The following databases are used in *POS PSIM*:

1. Internal database of the server — contains the system settings and the data on registered events.
2. Captioner — contains the data from POS-terminals.
3. Receipts database — contains the data from POS-terminals.

Database has MS SQL format. A list of MS SQL Server versions, supported in *POS PSIM* is identical with the list of supported versions for *Axxon PSIM* (see [Axxon PSIM Software Package. Administrator's Guide](#)).

The *POS-operations* module uses the *Captioner* module, which is installed by default with the *Axxon PSIM* (base) platform. The *Captioner* module overlays the video image received from the surveillance camera with the receipt contents. The result of this operation is included in the captioner (using the *Captioner* module) and the receipts database (using the *POS-terminal* module), and is displayed in the **Monitor** window.

The *Captions search* module allows searching the captioner, and the *Receipt viewer* module allows searching the receipts database. The captioners and receipts databases are stored in the folder specified during the MS SQL Server setup. For information, please visit: <http://www.microsoft.com/>.

The video archive is stored in the folder specified during *Axxon PSIM* (base) setup. For further information, please refer to [Axxon PSIM Software Package. The Administrator's Guide](#).

The *POS PSIM* functionality is specified in the **psim.sec** key file of the *Axxon PSIM* (base) software platform. Please, refer to [Axxon PSIM Software Package. The Administrator's Guide](#).

4 Using the POS PSIM software system

4.1 Starting and closing the system

Prior to starting the system, please check the working condition of all hardware components — connections, cameras, etc.




The system can be started using one of the following methods:

1. Automatically — the system starts automatically after the operating system boots up.
2. Manually — to start the system manually, in the **Start** menu select **Programs**, then **Axxon PSIM**, then **Client Workstation**, or use the corresponding shortcut on the Desktop.

System startup may be password protected. In this case, enter your password to start the system.

To shut down the system, do the following:

1. Point the mouse to the upper right corner of the screen, the main control panel will open.
2. Click the  icon on the panel.
3. Select **Shutdown** in the menu that opens.

The shutdown process will start, the password will be required if set.



Note

The system can be set up to forbid the shut down. Then, the **Shutdown** item is not present in the menu.

Starting and closing the program are described in more details in [Axxon PSIM software. Operator's Guide](#).

4.2 Using the Monitor window

The **Monitor** window is used for simultaneous real-time viewing or recording of video images received from the camera and the receipt contents.

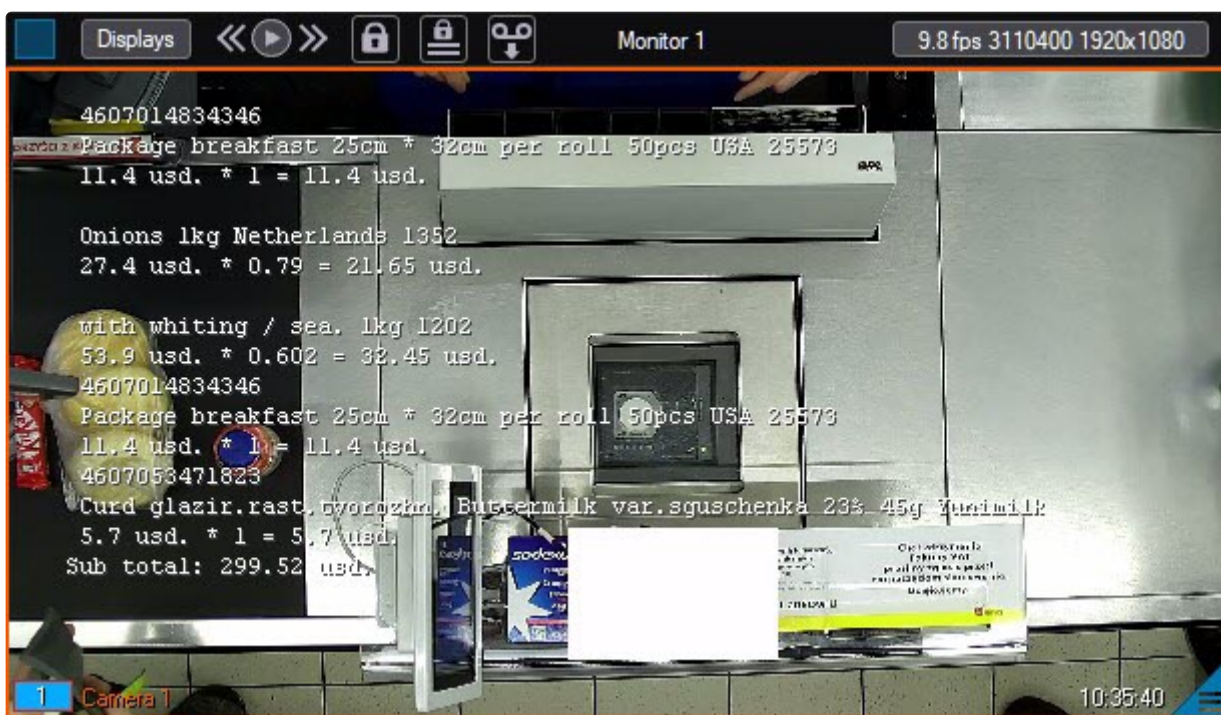
4.2.1 Viewing video and receipt contents

The **Monitor** is used for simultaneous real-time viewing of video images and receipt contents.

Video images are displayed in video tiles, while the receipt details are superimposed over the video image.

Note

By default, the captions timestamps (UTC) are not displayed. To display in the Monitor the time (UTC) when each caption appeared, it is necessary to change the **PrintTime** key value to **1** (for details see [Registry keys reference guide](#), for details about working with the registry, see [Working with Windows OS registry](#)).



Note

Please, refer to the [Axxon PSIM. Operator's Guide](#) document for detailed description of **Monitor** usage.

4.2.2 Recording video and receipt contents

The **Monitor** is also used for recording video images and receipt contents.

The video images containing the receipt contents superimposed are saved to the videosever archive.



Note

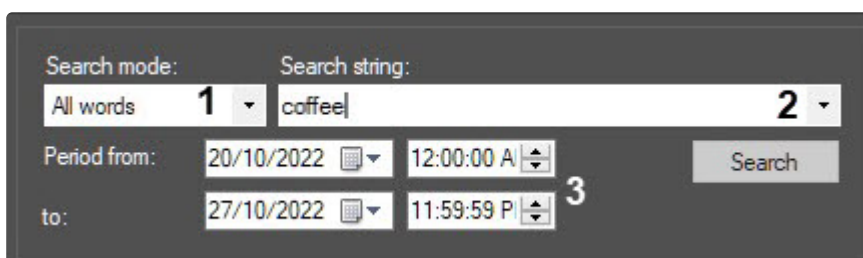
Please, refer to [Axxon PSIM. Operator's Guide](#) for detailed description of the **Monitor** usage.

4.3 Using the Captions search window

The **Captions search** window is used to query the captioner.

4.3.1 Creating a query

Before you start searching, create a query.



In the **Search string** field (2), enter the full words, parts of words (substring) or phrases to be searched for.

Note

If the **All words** search mode is selected, then you can enter a regular expression using the "*" symbol, for example: **co*f*e***.



To use multiple search criteria (words or phrases), in the **Search mode** drop-down list, select one of the following modes (1):

1. **All words**—to search for receipts that contain all words of the query.
2. **Any of words**—to search for receipts that contain at least one word of the query.
3. **Substring**—to search for receipts that contain the specified substring.

In the **Period from** and **to** fields (3), enter the time interval of the data search.

4.3.2 Searching the captioners database

Before starting the search, select the captioners, the databases of which will be searched by setting the checkboxes next to the required captioners (1) in the captioners status table.

Captioners	Status	Total
<input checked="" type="checkbox"/>  Captioner 1 1	Connection established	0
<input type="checkbox"/>  Captioner 2	Connection established	0



Click the **Search** button (2) to start searching.

Search mode: All words Search string: coffee

Period from: 20/10/2022 12:00:00 A Search **2**

to: 27/10/2022 11:59:59 P

The **Status** column (3) displays the search status (the **Executing query** status (4) for all selected captioners).

Captioners	Status 3	Total
<input checked="" type="checkbox"/>  Captioner 1	Executing query ... 4	11
<input type="checkbox"/>  Captioner 2	Connection established	0

To stop searching at any time, click the **Cancel** button.

Note

Search cancellation may not work (depends on the type of database management system used in POS PSIM).

The search process stops when all selected captioners are processed, i.e. the **Status** column has the **Query completed** status for all selected captioners (5). The number of found records for each captioner will be displayed in the **Total** column (6) of the captioner status table. The list of all found transactions will be displayed in the search results table (7).

Search results

Σ Total: 17 Captioner 1 [17]

Transaction	Date/Time	
2	27/10/2022 10:34:09 AM	
17	27/10/2022 10:38:49 AM	
22	27/10/2022 10:41:12 AM	7
23	27/10/2022 10:41:36 AM	
28	27/10/2022 10:43:12 AM	
30	27/10/2022 10:43:43 AM	
39	27/10/2022 10:45:17 AM	

Captioners	Status	Total
<input checked="" type="checkbox"/> Captioner 1	Query completed	5 17
<input checked="" type="checkbox"/> Captioner 2	Query completed	6 0

4.3.3 Viewing search results

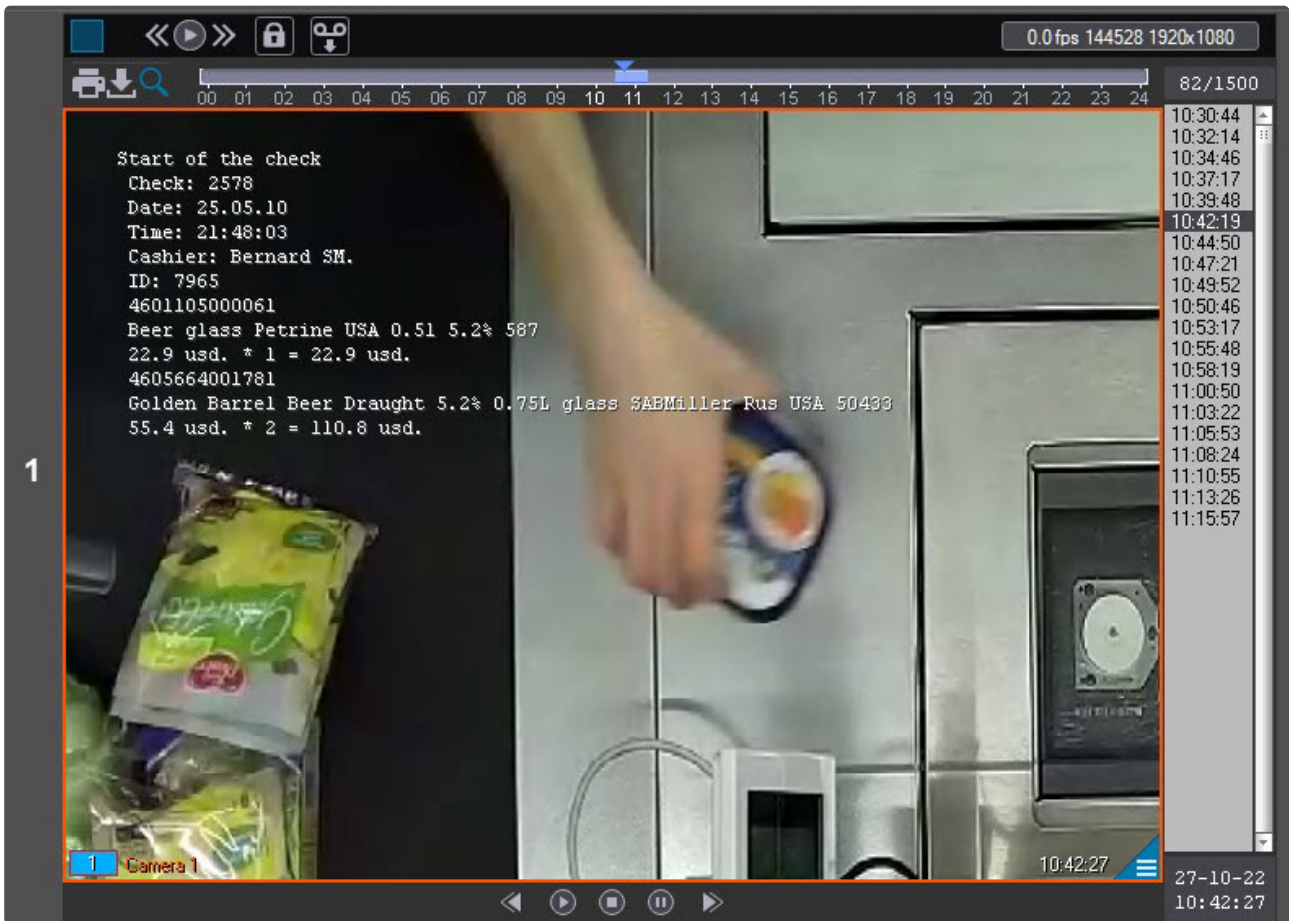
Search results are grouped by captioner and by transaction.

To view search results, select the tab of a captioner, then select a transaction in the search results table.

The textual contents of the corresponding receipt will be displayed in the search results table. The search text, or a line containing the search text, will be highlighted.

Captions	
Data	Date/Time
4605664001781 Golden Barrel Beer Draught 5.2% 0.75L glass SABMiller Rus USA 50433 55.4 usd. * 2 = 110.8 usd.	27/10/2022 10:42:27 AM

The video fragment corresponding to the selected transaction will be displayed in the video search results area (1).




Export and processing functions similar to those in the **Video surveillance monitor** are available in this window, including video clips export with captions. For more details on using the **Video surveillance monitor** functions, see *Axxon PSIM software. Operator's Guide* (the most relevant version of this document is available in [AxxonSoft documentation repository](#)).

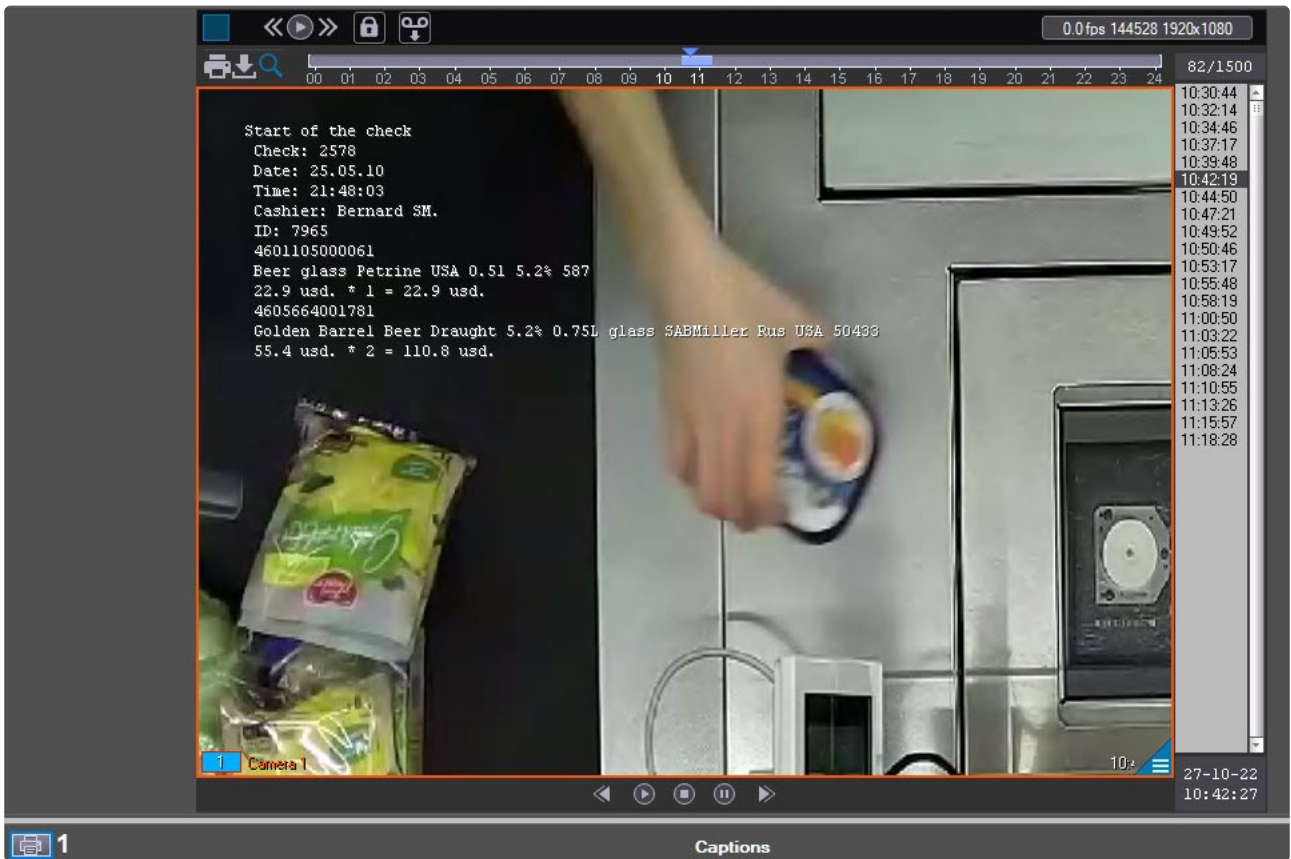
4.3.4 Printing search results

Search results, including the video frame screenshot, can be printed out and exported to general formats.

To print search results, click the  button (1).

Note

The  button may be absent depending on the system setup.



The search results report will be displayed in a new window.

Captions

Report issue date: 27/10/2022 11:24:41 AM



Camera:

Camera 1

Date/Time:

27/10/2022 10:42:27 AM

Data	Date/Time
Start of the check	27/10/2022 10:42:23 AM
Check: 2578	
Date: 25.05.10	
Time: 21:48:03	
Cashier: Bernard SM.	
ID: 7965	
4601105000061	27/10/2022 10:42:25 AM
Beer glass Petrine USA 0.5l 5.2% 587	
22.9 usd. * 1 = 22.9 usd.	
4605664001781	27/10/2022 10:42:27 AM
Golden Barrel Beer Draught 5.2% 0.75L glass SABMiller Rus USA 50433	
55.4 usd. * 2 = 110.8 usd.	
Sub total: 133.7 usd.	27/10/2022 10:42:29 AM
Calculation: 133.7 usd.	27/10/2022 10:42:30 AM
Bottom line: 133.7 usd.	27/10/2022 10:42:31 AM
Payment	27/10/2022 10:42:33 AM
Amount of the check: 133.7	
Cash: 200	
Release Date: 66.3	
Printing a document	27/10/2022 10:42:34 AM
End of the check	27/10/2022 10:42:35 AM

Note

Please, refer to [Axxon PSIM. Operator's Guide](#) for a detailed description of how to create reports.

4.3.5 Changing the sizes of interface elements

The user can change positions of the interface elements in the **Captions search** window.



Note.

Availability of this function depends on system setup.

To change mutual positions of window elements, drag the element separators using the mouse.

Changing the window layout (initial layout)

The screenshot displays the POS PSIM interface with the following components:

- Search Panel (Top Left):** Search mode: All words, Search string: sausage. Period from: 20/10/2022 12:00:00 A, to: 27/10/2022 11:59:59 P. Search results: Total: 17, Captioner 1 [17].
- Transaction List (Middle Left):**

Transaction	Date/Time
2	27/10/2022 10:34:09 AM
17	27/10/2022 10:38:49 AM
22	27/10/2022 10:41:12 AM
23	27/10/2022 10:41:36 AM
28	27/10/2022 10:43:12 AM
- Captioners Table (Bottom Left):**

Captioners	Status	Total
<input checked="" type="checkbox"/> Captioner 1	Query completed	17
<input checked="" type="checkbox"/> Captioner 2	Query completed	0
- Video Feed (Top Right):** Shows a hand pouring a drink. On-screen text includes: 4607007272940, Sausage Doctoral GOST Belkozin 500g Bime USA 69957, 69.9 usd. * 1 = 69.9 usd., Appointment prices (margins) of the product, Sour Merry Milkman 20% 400g UBD of USA 6647, Discount Amount: 0.37 usd., Discount card: 765800517777, Calculation: 106.33 usd., Bottom line: 106.33 usd., Payment, Amount of the check: 106.33, Cash: 110.37, Release Date: 3.67, Printing a document, End of the check.
- Captions Table (Bottom Right):**

Data	Date/Time
Start of the check	
Check: 2578	
Date: 25.05.10	27/10/2022 10:42:23 AM
Time: 21:48:03	
Cashier: Bernard SM.	
ID: 7965	
4601105000061	
Beer glass Petrine USA 0.5 5.2% 587	27/10/2022 10:42:25 AM
22.9 usd. * 1 = 22.9 usd.	
4605664001781	
Golden Barrel Beer Draught 5.2% 0.75L glass SABMiller Plus USA 50433	27/10/2022 10:42:27 AM
55.4 usd. * 2 = 110.8 usd.	
Sub total: 133.7 usd.	27/10/2022 10:42:29 AM
Calculation: 133.7 usd.	27/10/2022 10:42:30 AM
Bottom line: 133.7 usd.	27/10/2022 10:42:31 AM
Payment	
Amount of the check: 133.7	27/10/2022 10:42:33 AM
Cash: 200	
Release Date: 66.3	27/10/2022 10:42:34 AM
Printing a document	
End of the check	27/10/2022 10:42:35 AM

Changing the window layout (vertical shift)

Search mode: Search string: sausage

Period from: 20/10/2022 12:00:00 A to: 27/10/2022 11:59:59 P

Search results

Transaction	Date/Time
2	27/10/2022 10:34:09 AM
17	27/10/2022 10:38:49 AM
22	27/10/2022 10:41:12 AM
23	27/10/2022 10:41:36 AM
28	27/10/2022 10:43:12 AM
30	27/10/2022 10:43:43 AM
39	27/10/2022 10:45:47 AM
47	27/10/2022 10:49:09 AM
53	27/10/2022 10:51:22 AM
54	27/10/2022 10:52:02 AM
57	27/10/2022 10:54:39 AM
65	27/10/2022 10:57:35 AM
68	27/10/2022 10:58:25 AM
80	27/10/2022 11:02:47 AM
81	27/10/2022 11:03:51 AM
90	27/10/2022 11:07:13 AM
97	27/10/2022 11:09:33 AM

Start of the check
Check: 2651
Date: 26.05.10
Time: 10:53:21
Cashier: Amanda Green
ID: 7850
4607041420451
Sour Merry Milkman 20% 400g WBD of USA 6847
36.8 usd, * 1 = 36.8 usd,
4607009272940
Sausage Doctoral GOST Belkozin 500g Rine USA 63957
69.9 usd, * 1 = 69.9 usd,
Appointment prices (margins) of the product
Sour Merry Milkman 20% 400g WBD of USA 6847
Discount amount: 0.97 usd,
Discount card: 765800317777
Calculation: 106.33 usd,
Bottom line: 106.33 usd,
Payment
Amount of the check: 106.33
Cash: 110
Release Date: 3.67
Printing a document
End of the check

Captions	Status	Total
<input checked="" type="checkbox"/> Captioner 1	Query completed	17
<input checked="" type="checkbox"/> Captioner 2	Query completed	0

Data	Date/Time
Start of the check Check: 2578 Date: 25.05.10 Time: 21:48:03 Cashier: Bernard SM. ID: 7965	27/10/2022 10:42:23 AM
4601105000061 Beer glass Petine USA 0.9 5.2% 587 22.9 usd, * 1 = 22.9 usd	27/10/2022 10:42:25 AM
4605664001781 Golden Barrel Beer Draught 5.2% 0.75L glass SABMiller Plus USA 50433	27/10/2022 10:42:27 AM

Changing the window layout (horizontal shift)

Search mode: Search string: sausage

Period from: 20/10/2022 12:00:00 A to: 27/10/2022 11:59:59 P

Search results

Transaction	Date/Time
2	27/10/2022 10:34:09 AM
17	27/10/2022 10:38:49 AM
22	27/10/2022 10:41:12 AM
23	27/10/2022 10:41:36 AM
28	27/10/2022 10:43:12 AM
30	27/10/2022 10:43:43 AM
39	27/10/2022 10:45:47 AM
47	27/10/2022 10:49:09 AM
53	27/10/2022 10:51:22 AM
54	27/10/2022 10:52:02 AM
57	27/10/2022 10:54:39 AM
65	27/10/2022 10:57:35 AM
68	27/10/2022 10:58:25 AM
80	27/10/2022 11:02:47 AM
81	27/10/2022 11:03:51 AM
90	27/10/2022 11:07:13 AM
97	27/10/2022 11:09:33 AM

Cashier: Amanda Green
ID: 7850
4607041420451
Sour Merry Milkman 20% 400g WBD of USA 6847
36.8 usd, * 1 = 36.8 usd,
4607009272940
Sausage Doctoral GOST Belkozin 500g Rine USA 63957
69.9 usd, * 1 = 69.9 usd,
Appointment prices (margins) of the product
Sour Merry Milkman 20% 400g WBD of USA 6847
Discount amount: 0.97 usd,
Discount card: 765800317777
Calculation: 106.33 usd,
Bottom line: 106.33 usd,
Payment
Amount of the check: 106.33
Cash: 110
Release Date: 3.67
Printing a document
End of the check

Captions	Status	Total
<input checked="" type="checkbox"/> Captioner 1	Query completed	17
<input checked="" type="checkbox"/> Captioner 2	Query completed	0

Data	Date/Time
Start of the check Check: 2578 Date: 25.05.10 Time: 21:48:03 Cashier: Bernard SM. ID: 7965	27/10/2022 10:42:23 AM
4601105000061 Beer glass Petine USA 0.9 5.2% 587 22.9 usd, * 1 = 22.9 usd	27/10/2022 10:42:25 AM
4605664001781 Golden Barrel Beer Draught 5.2% 0.75L glass SABMiller Plus USA 50433	27/10/2022 10:42:27 AM

4.4 Using the Receipt viewer window

The **Receipt viewer** window is used to search the receipts database.

4.4.1 Creating a query to the receipts database

Create a query before starting the search:

1. Select the report type in the **Report list** drop-down list (1).

Report list:
 ?15 Search of receipts by goods 1

Period from: 20/10/2022 11:59:59 PM Find
 to: 27/10/2022 11:59:59 PM Cancel

Parameter	Value
Goods	coffee

Each query type has its own set of parameters which is displayed when the query type is selected (2).

Note

Some queries, for example, the **List of all queries**, have no parameters.

2. Enter the date/time interval of the receipts to be searched for in the **Period from** and **to** fields (3).
 The query's creating is complete.

If settings of search query was not been performed (see the [Editing the receipts database queries \(optional\)](#) section of the [Administrator's Guide](#) document) then queries described in the following table are used on default.

Name of query	Parameters	Purpose of query
№01 List of all receipts	-	Getting the list of all receipts recorded to the database for the specified period. The cashier number is displayed for each receipt
№02 All receipts list with a cashier's name	-	Getting the list of all receipts recorded to the database for the specified period. The cashier number is displayed for each receipt
№03 List of all good's returns (1)	-	Getting the list of all good's returns for the specified period. Return is defined by non-zero value of the return parameter in the database

Name of query	Parameters	Purpose of query
№03 List of all good's returns (2)	-	Getting the list of good's returns with negative number of goods for the specified period
№04 Search by receipt number	Receipt number	Search for receipt with the specified number for the specified period
№05 Search by return number	Return number	Search for receipts containing the specified return number. Value of this parameter is specified on the parser
№06 Search by cashier number	Cashier number	Search for receipts containing the specified cashier number for the specified period
№07 Search by marking of good	Marking of goods	Search for receipts containing the specified marking of goods for the specified period
№09 Goods report	Goods	Getting the number of sold goods with specified name and realized sum for the specified period
№10 Archive depth	-	Getting the information about the earliest receipt date in the database and the latest receipt date and the number of receipts between these dates
№11 Search by goods amount in receipt	Minimal goods amount Maximal goods amount	Getting the list of receipts for the specified period in which the amount of goods is in the specified range
№12 Query by receipt's total	Minimal total Maximal total	Getting the list of receipts, sum (total) of which is in the specified range
№13 List of all receipts by goods (and)	Goods No.1 Goods No.2	Getting the list of receipts containing both of specified goods for the specified period
№14 List of receipts by goods (or)	Goods No.1 Goods No.2 Minimal price Maximal price	Getting the list of receipts for the specified period containing at least one of the specified goods and in which the price is in the specified range

Name of query	Parameters	Purpose of query
№15 Search of receipts by goods	Goods	Getting the list of receipts containing the specified goods
№16 List of all receipts of cashier	Cashier name	Search for receipts containing the specified cashier name for the specified period
№17 List of receipt's cancellation (negative sum)	-	Getting the list of receipts for the specified period sum of which is negative
№18 Query by goods weight	Goods maximal weight	Search for receipts for the specified period containing the catchweight goods weight of which less than the specified weight
№19 Query by discount value	Minimal discount Maximal discount	Search for receipts discount of which is in the specified range for the specified period
№20 List of all receipts of waiter	Waiter's name	Getting the list of receipts containing the waiter's name for the specified period
№21 List of receipt's cancellations (receipt's numbers)	-	Getting the list of cancelled receipts for the specified period
№22 Selling for a period	-	Total sum of gain for the specified period
№23 Receipts with cancelled positions (negative sum)	-	Search for receipts containing positions with negative sum for the specified period
№24 Goods rating by selling sum	Goods quantity to list Name	Getting the specified amount of goods of specified name with the most total sum by all receipts for the specified period
№25 Goods rating by quantity	Goods quantity to list Name	Getting the specified amount of goods of specified name with the most total amount by all receipts for the specified period
№26 List of receipts with multiple same goods	Goods Min. goods amount Max. goods amount	Getting the list of receipts containing the specified goods in the amount is within the specified range for the specified period

Name of query	Parameters	Purpose of query
№27 Cash point's gain report for every 30 minutes	-	Getting information about gain by all cash points for every 30 minutes for the specified period

4.4.2 Searching the receipts database

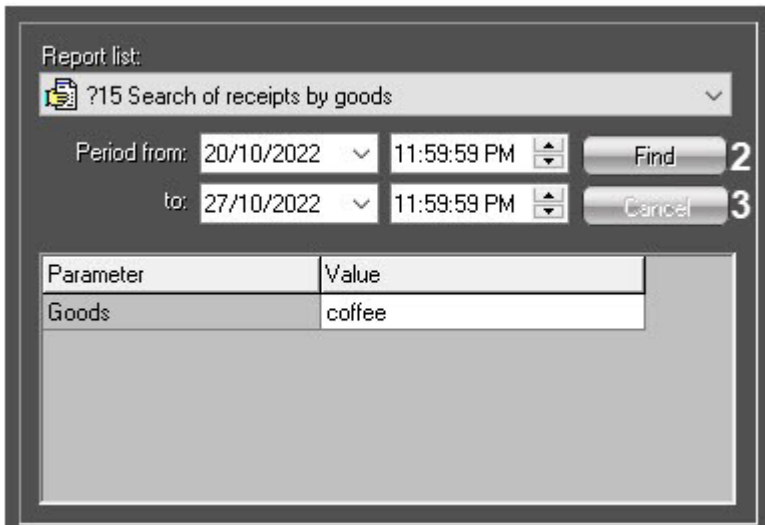
Before starting the search, select the POS terminals, the data of which will be searched, by setting the checkboxes next to the required POS terminals (1) in the POS terminals state table.

POS	State	Additional info	Total reco...
<input checked="" type="checkbox"/> POS terminal 1	Connecti...	Query is complete	22

Click the **Find** button (2) to start searching. To stop searching at any time, click the **Cancel** button (3).

Note

Search cancellation may not work (depends on the type of database management system used in POS PSIM).



The search status (**Query executing**) is displayed in the **Additional info** column for all selected POS terminals.

POS	State	Additional info	Total reco...
<input checked="" type="checkbox"/> POS terminal 1	Connecti...	Query executing...	

The search process stops when all selected POS terminals are processed, i.e. the **Additional info** column (4) displays the **Query is complete** state for all selected POS terminals. The number of found records for each POS

terminal will be displayed in the **Total records** column (5) of the POS terminal status table. The list of all found transactions will be displayed in the search results table (6).

Search results:				
POS terminal 1 [1]				
ID	POS	Cashier	Receipt	Time
42	1	Bernard SM.	2597	27/10/20...
6				
POS	State	Additional info	Total reco...	
<input checked="" type="checkbox"/> POS terminal 1	Connecti...	Query is complete	1	

4.4.3 Viewing receipts database search results

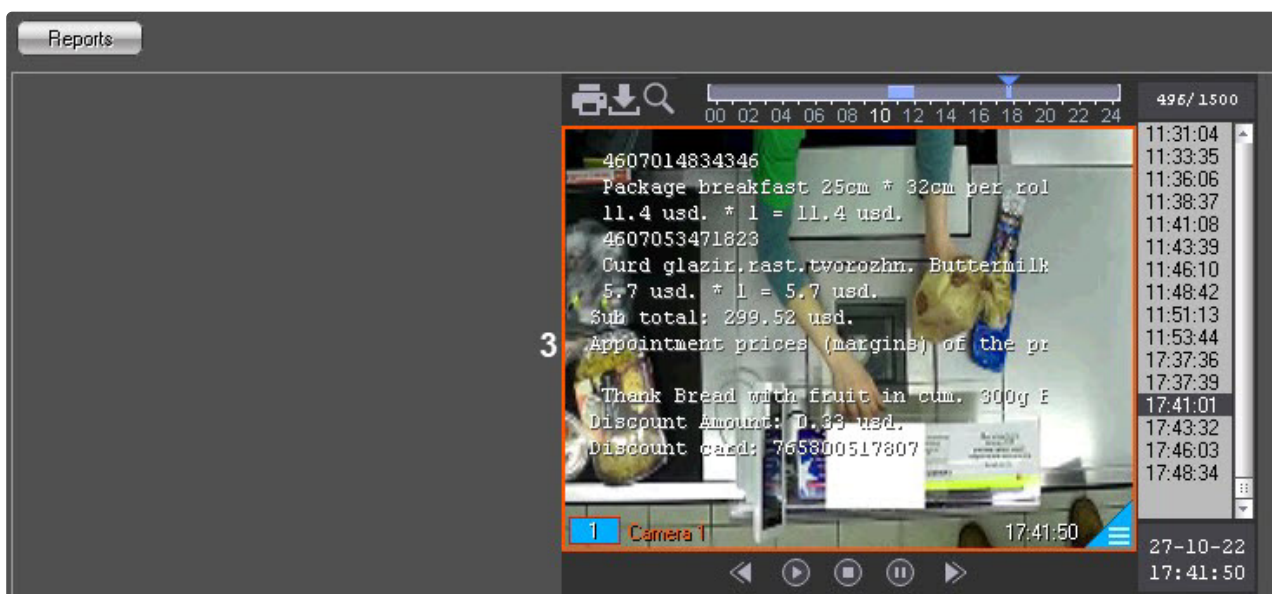
Search results are grouped by POS terminal and by transaction.

To view search results, select the tab of a required POS terminal, then select a transaction in the search results table (1). The number of the selected POS terminal and the date/time of the selected transaction are displayed in the search results header.

Captioner 1		Receipt 'POS terminal 1' from '27/10/2022 05:46:01 PM' 1			
Goods	Amount	Total	Marking of goods	Date/Time	
Egg 1kat. 1des 1des	1	31.9	23232	27/10/2022 05:46...	2
Krupa Clear sun Ch...	1	26.4	132	27/10/2022 05:46...	
Krupa Clear sun Ch...	1	26.4	132	27/10/2022 05:46...	
Bread Recipes, tim...	1	18.9	36439	27/10/2022 05:46...	
Bread Recipes, tim...	1	17.9	36439	27/10/2022 05:46...	
White Potatoes 1k...	1.354	20.17	7994	27/10/2022 05:46...	

The textual contents of the selected receipt will be displayed in the search results table (2).

The video fragment corresponding to the selected transaction will be displayed in the video search results area (3).



Export and processing functions similar to those of the **Video surveillance monitor** are available in this window, including video clips export with captions. For more details on using the **Video surveillance monitor** functions, see *Axxon PSIM software. Operator's Guide* (the most relevant version of this document is available in [AxxonSoft documentation repository](#)).

To view the results for a specific captioner, select the captioner from the drop-down list (4).



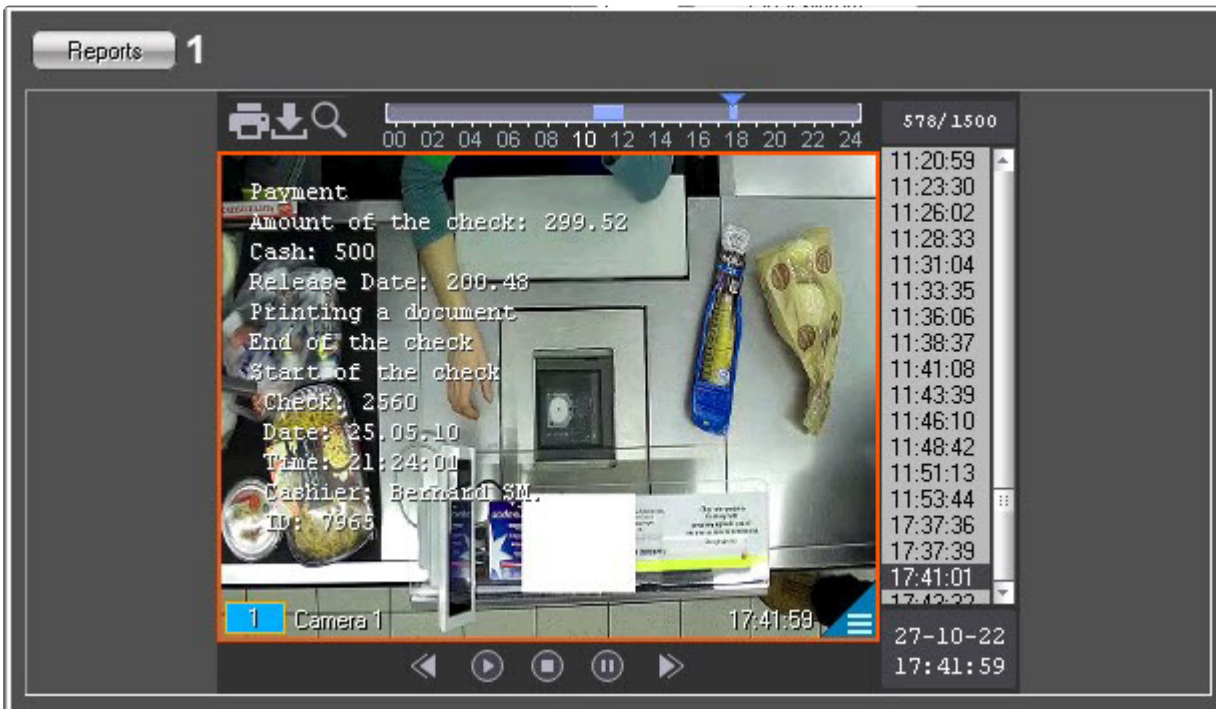
4.4.4 Printing the receipts database search results

Search results, including the video frame screenshot, can be printed out.

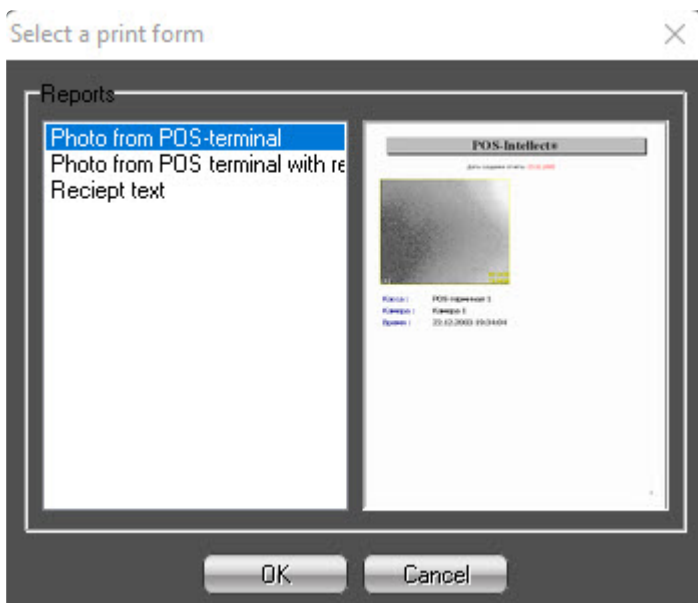
To print search results, click the **Reports** button (1).

Note

The **Reports** button (1) may be absent depending on the system setup.

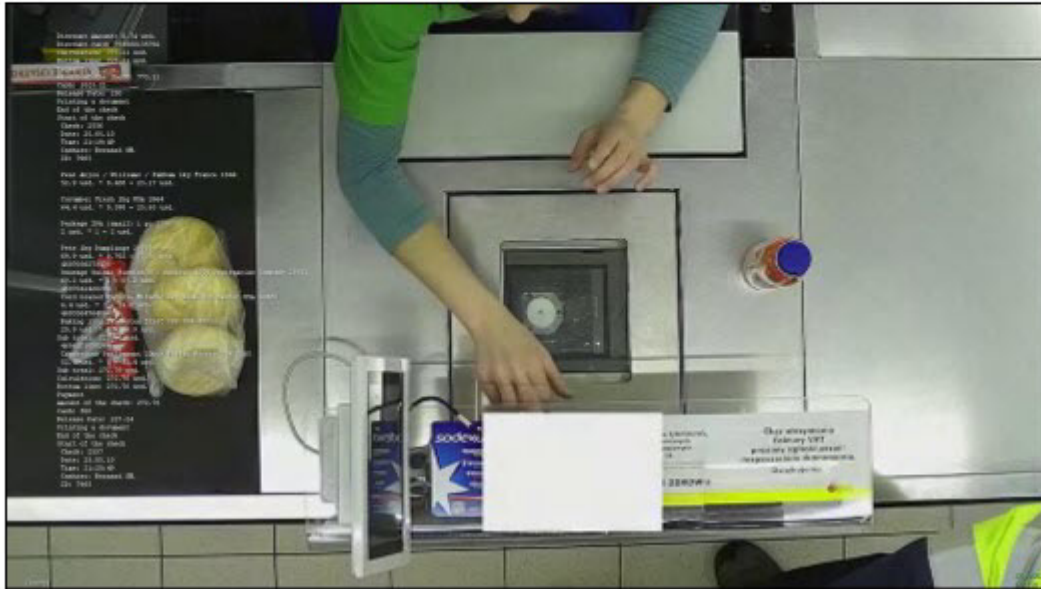


Select the report type in the dialog box that opens to see the report preview in the right pane, then click **OK**.



The report will be displayed in a new window.

Photo from POS terminal with receipt
 Report issue date: 27/10/2022 06:14:44 PM



Cash desk: POS terminal 1
 Camera: Camera 1
 Date/Time: 27/10/2022 05:41:28 PM

Data

Bread Recipes, time-tested Metropolitan cum 700g USA PM	2	37.8	36439	27/10/2022 05:41:29
Salt Milling a.-1 1kg PM	1	6.2	2648	27/10/2022 05:41:30
Hercules Milk 500g Bread House of Bread PM	1	26.3	24408	27/10/2022 05:41:30
Adshika CCACS Burning 250g talaq LLC PM	1	37.3	4822	27/10/2022 05:41:32

Note

Please, refer to [Axxon PSIM. Operator's Guide](#) for a detailed description of how to handle reports.

4.4.5 Changing the size of interface elements

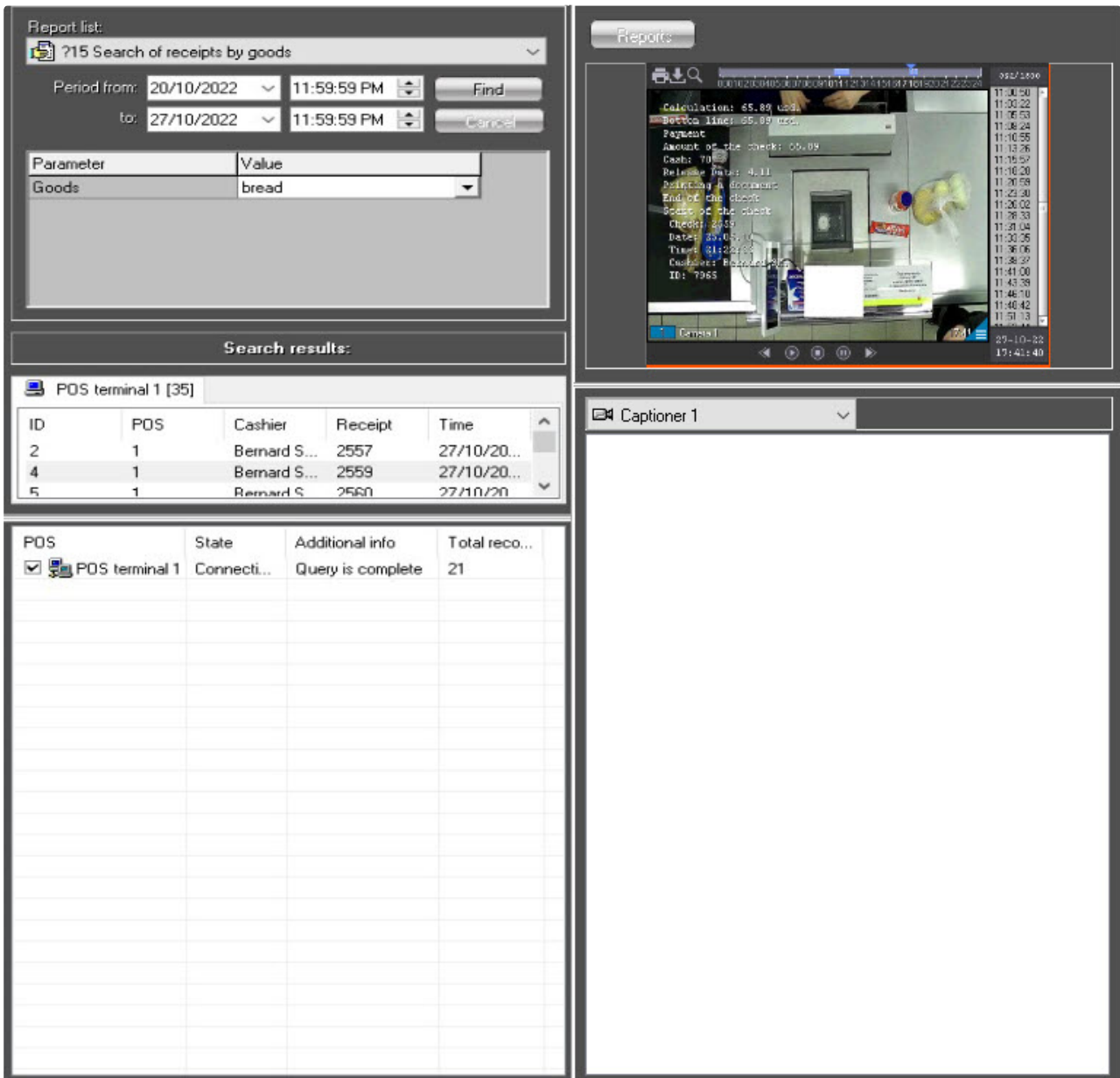
You can change the size of the interface elements in the **Receipt viewer** window.

Note

The availability of this function depends on the system settings.

You can change the size of the elements by dragging the elements separators using the mouse.

Changing the size of the elements (initial layout).



Changing the size of the elements (vertical shift).

The screenshot displays the POS PSIM interface. On the left, a search window is open for '715 Search of receipts by goods'. The search criteria are set to 'bread' for the period from 20/10/2022 11:59:59 PM to 27/10/2022 11:59:59 PM. Below this, a table lists search results for 'POS terminal 1 [35]'. An arrow points from the search results table to a larger view of a receipt on the right.

Search results table:

ID	POS	Cashier	Receipt	Time
2	1	Bernard SM.	2557	27/10/2022 05:41:28 PM
4	1	Bernard SM.	2559	27/10/2022 05:41:40 PM
5	1	Bernard SM.	2560	27/10/2022 05:41:58 PM
16	1	Bernard SM.	2571	27/10/2022 05:43:16 PM
22	1	Bernard SM.	2577	27/10/2022 05:43:55 PM
24	1	Bernard SM.	2579	27/10/2022 05:44:09 PM
25	1	Bernard SM.	2580	27/10/2022 05:44:17 PM
27	1	Bernard SM.	2582	27/10/2022 05:44:27 PM
39	1	Bernard SM.	2594	27/10/2022 05:45:31 PM
41	1	Bernard SM.	2596	27/10/2022 05:45:52 PM
42	1	Bernard SM.	2597	27/10/2022 05:46:01 PM
45	1	Bernard SM.	2600	27/10/2022 05:46:20 PM
48	1	Bernard SM.	2603	27/10/2022 05:46:44 PM
52	1	Bernard SM.	2607	27/10/2022 05:47:19 PM
53	1	Bernard SM.	2608	27/10/2022 05:47:58 PM
55	1	Bernard SM.	2610	27/10/2022 05:48:11 PM

Receipt details view:

Receipt ID: 2557, Date: 27/10/2022 05:41:28 PM, Cashier: Bernard SM.

Calculation: 65.89 USD.
 Bottom line: 65.89 USD.
 Payment: 70.00 USD.
 Amount of the check: 65.89 USD.
 Release date: 4.11
 Printing a document
 End of the check
 Start of the check
 Check: 65.89
 Date: 25.05.10
 Time: 21:22:33
 Cashier: Bernard SM.
 ID: 7965

Goods list table:

Goods	Amount	Total	Marking of go...	Date/Time
Thank Bread ...	1	33.3	49605	27/10/2022 0...
Ice Cream Sug...	1	21.4	43256	27/10/2022 0...
Washing Powd...	1	27.8	1970	27/10/2022 0...
Milk Doyanush...	1	33.2	30628	27/10/2022 0...
Beetroot wash...	1	29.9	26741	27/10/2022 0...
with whiting / s...	0.67	36.11	1202	27/10/2022 0...
Kefir Snowball ...	1	19.7	46558	27/10/2022 0...
White Potatoe...	1.148	17.11	7994	27/10/2022 0...
Package brea...	1	11.4	25573	27/10/2022 0...
Onions 1kg Ne...	0.79	21.65	1352	27/10/2022 0...
with whiting / s...	0.602	32.45	1202	27/10/2022 0...
Package brea...	1	11.4	25573	27/10/2022 0...
Curd glazir rast...	1	5.7	48655	27/10/2022 0...
Thank Bread ...	1	33.3	49605	27/10/2022 0...
Ice Cream Sug...	1	21.4	43256	27/10/2022 0...
Washing Powd...	1	27.8	1970	27/10/2022 0...
Beetroot wash...	1	29.9	26741	27/10/2022 0...
Kefir Snowball ...	1	19.7	46558	27/10/2022 0...

Changing the size of the elements (horizontal shift).

The screenshot displays the POS PSIM interface. On the left, a search window titled '715 Search of receipts by goods' is shown with filters for 'Period from: 20/10/2022 11:58:59 PM' and 'to: 27/10/2022 11:58:59 PM'. The search results table lists receipts for 'bread' from POS terminal 1, with columns for ID, POS, Cashier, Receipt, and Time.

ID	POS	Cashier	Receipt	Time
2	1	Bernard SM.	2557	27/10/2022 05:41:28 PM
4	1	Bernard SM.	2559	27/10/2022 05:41:40 PM
5	1	Bernard SM.	2560	27/10/2022 05:41:58 PM
16	1	Bernard SM.	2571	27/10/2022 05:43:16 PM
22	1	Bernard SM.	2577	27/10/2022 05:43:55 PM
24	1	Bernard SM.	2579	27/10/2022 05:44:09 PM
25	1	Bernard SM.	2580	27/10/2022 05:44:17 PM
27	1	Bernard SM.	2582	27/10/2022 05:44:27 PM
39	1	Bernard SM.	2594	27/10/2022 05:45:31 PM
41	1	Bernard SM.	2596	27/10/2022 05:45:52 PM
42	1	Bernard SM.	2597	27/10/2022 05:46:01 PM
45	1	Bernard SM.	2600	27/10/2022 05:46:20 PM
48	1	Bernard SM.	2603	27/10/2022 05:46:44 PM
52	1	Bernard SM.	2607	27/10/2022 05:47:18 PM
53	1	Bernard SM.	2608	27/10/2022 05:47:58 PM
55	1	Bernard SM.	2610	27/10/2022 05:48:11 PM

Below the search results is a summary table for POS terminal 1:

POS	State	Additional info	Total reco...
<input checked="" type="checkbox"/>	Connecti...	Query is complete	21

On the right, a detailed receipt view is shown for receipt ID 2557. It includes a video feed of the cashier and a list of items:

Goods	Amount	Total	Marking of go...	Date/Time
Thank Bread ...	1	33.3	49605	27/10/2022 0...
Ice Cream Sug...	1	21.4	43256	27/10/2022 0...
Washing Powd...	1	27.8	1970	27/10/2022 0...
Milk Doyarush...	1	33.2	30628	27/10/2022 0...
Beetroot wash...	1	29.9	26741	27/10/2022 0...
with whiting / s...	0.67	36.11	1202	27/10/2022 0...
Kefir Snowball ...	1	19.7	46658	27/10/2022 0...
White Potatoo...	1.148	17.11	7994	27/10/2022 0...
Package brea...	1	11.4	25573	27/10/2022 0...
Onions 1kg Ne...	0.79	21.65	1352	27/10/2022 0...
with whiting / s...	0.602	32.45	1202	27/10/2022 0...
Package brea...	1	11.4	25573	27/10/2022 0...
Curd glazir rast...	1	5.7	48665	27/10/2022 0...
Thank Bread ...	1	33.3	49605	27/10/2022 0...
Ice Cream Sug...	1	21.4	43256	27/10/2022 0...
Washing Powd...	1	27.8	1970	27/10/2022 0...
Beetroot wash...	1	29.9	26741	27/10/2022 0...
Kefir Snowball ...	1	19.7	46658	27/10/2022 0...

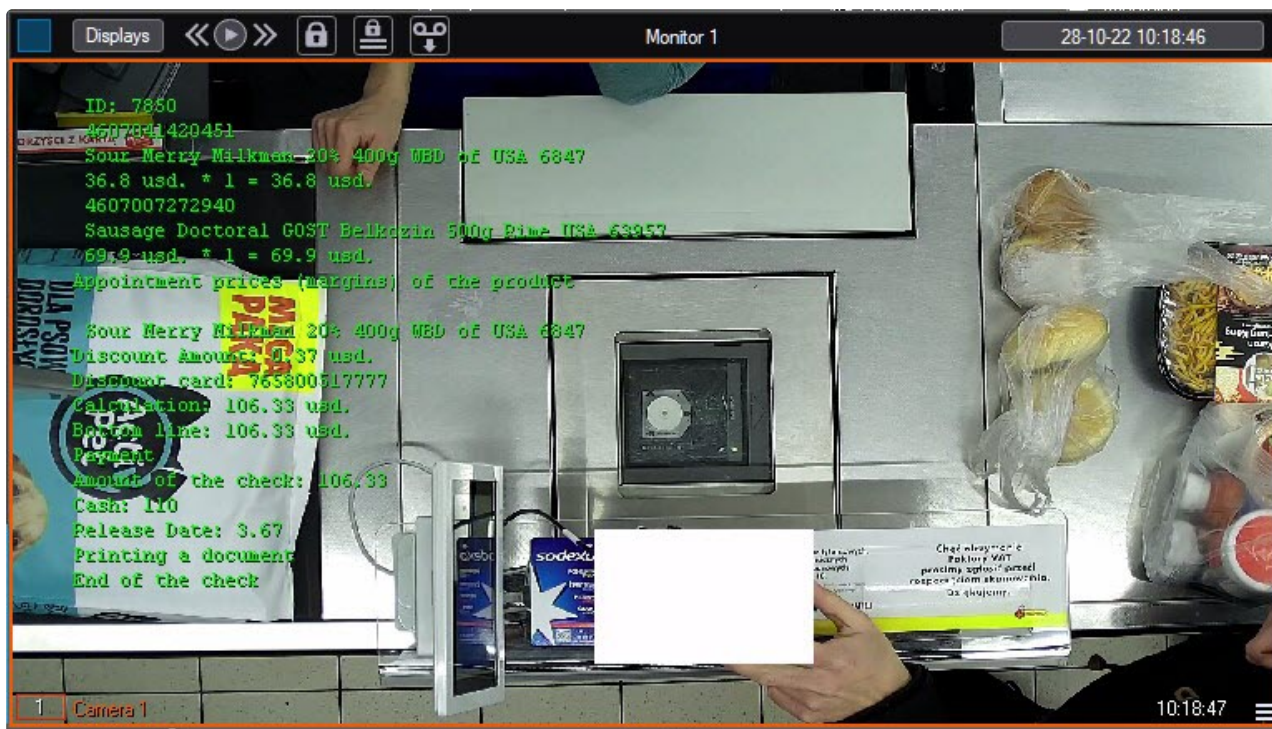
4.5 Using the Web-reports

Working with general and itemized reports is carried out in *WEB Report System PSIM* subsystem. To get detailed information, see [WEB Report System PSIM. User Guide](#).


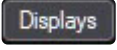

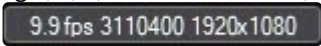

5 Description of the POS PSIM user interface

5.1 The Monitor window

The figure shows the interface of the **Monitor** window.

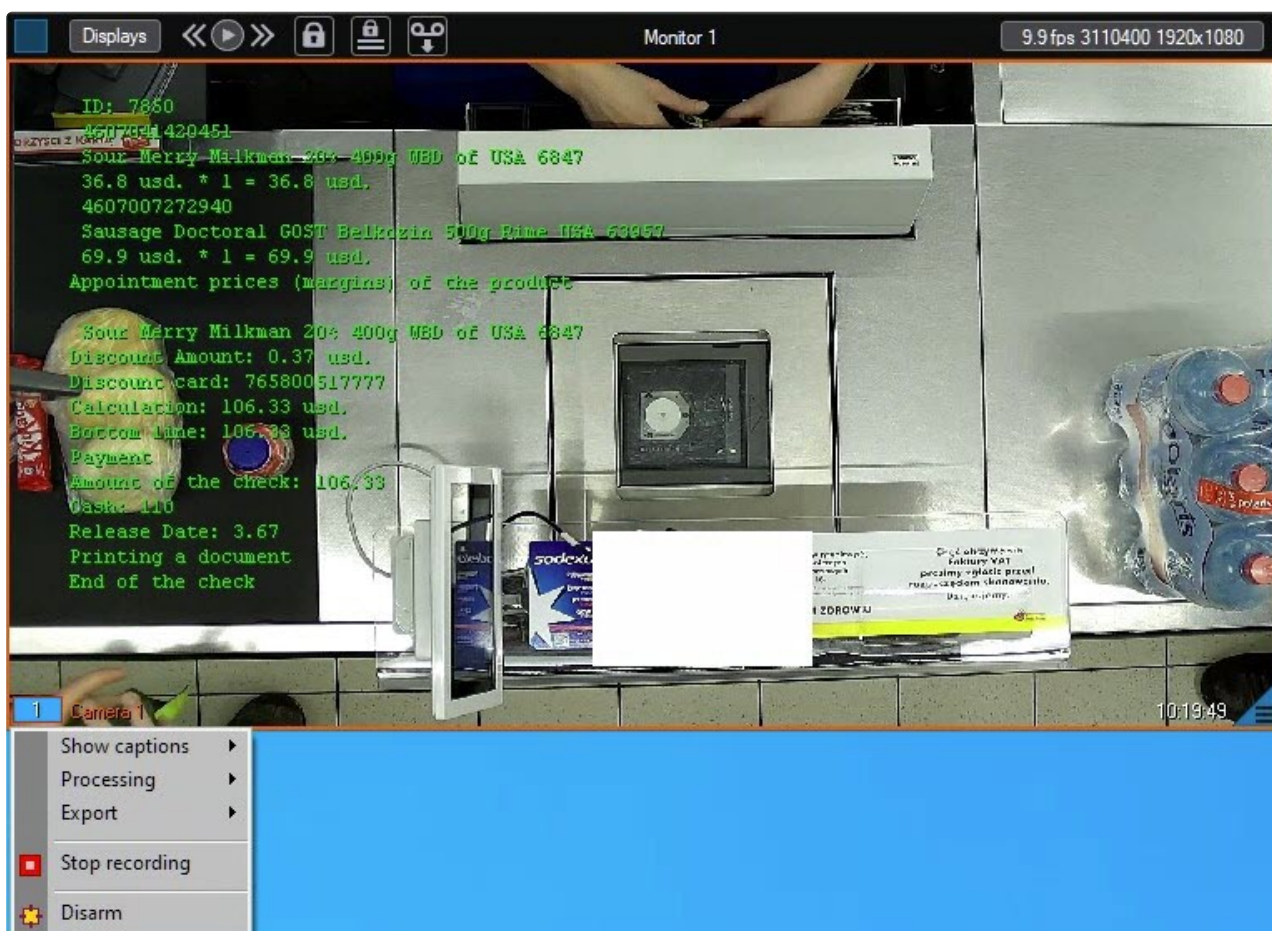


The **Monitor** contains **Surveillance windows** and the toolbar, which includes the following elements:

1. The  buttons allow changing the number of the **Surveillance windows** displayed in the **Monitor**.
2. The  button allows managing **Monitor** layouts.
3. The  buttons allow switching between the **Surveillance windows**.
4. When one of the Debug 1, 2, 3, modes is enabled, the current video characteristics (FPS, Bitrate, Resolution) are displayed in the  field. If the Debug mode is disabled, the current date and time are displayed in the field  field.

Each **Surveillance window** includes the video image area and the area that displays captions that are overlaid on the video image. Besides, a **Surveillance window** has a function menu that allows you to access various system functions.

To open the function menu, left-click the camera number in the **Surveillance window**.



The table describes the keyboard shortcuts available for the **Monitor** and **Surveillance windows**.

Shortcut	Action	Description
0 .. 9 Numpad	Selecting the active window	Numerals correspond to the Surveillance window numbers. To select a two-digit number, press two keys in quick succession
F1 .. F8	Selecting the number of Surveillance windows in the Monitor	F1—one window. F2—four windows. F3—nine windows. F4—16 windows, etc.
Ctrl + R Ctrl + T	Managing video recording	Ctrl + R—start recording Ctrl + T—stop recording

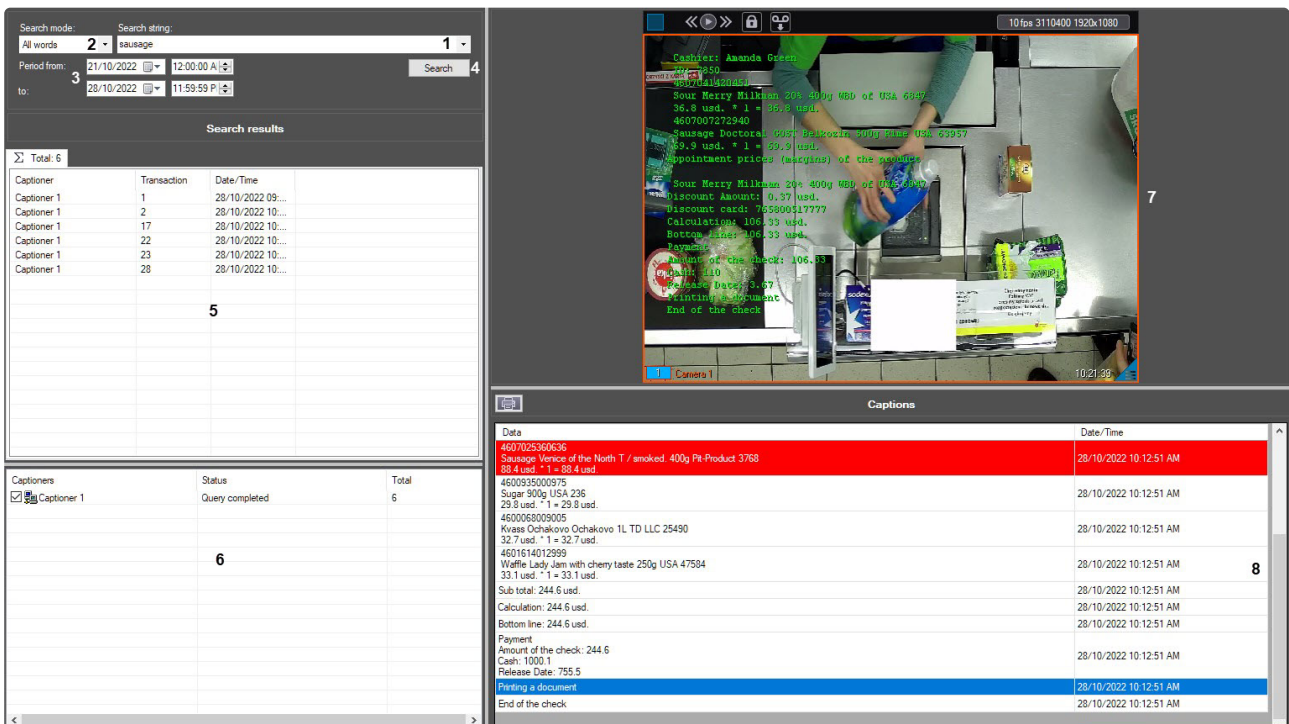


Note

For a detailed description of the **Monitor** and **Surveillance windows**, see [Axxon PSIM. Operator's Guide](#).

5.2 The Captions search window

The figure shows the interface of the **Captions search** window.

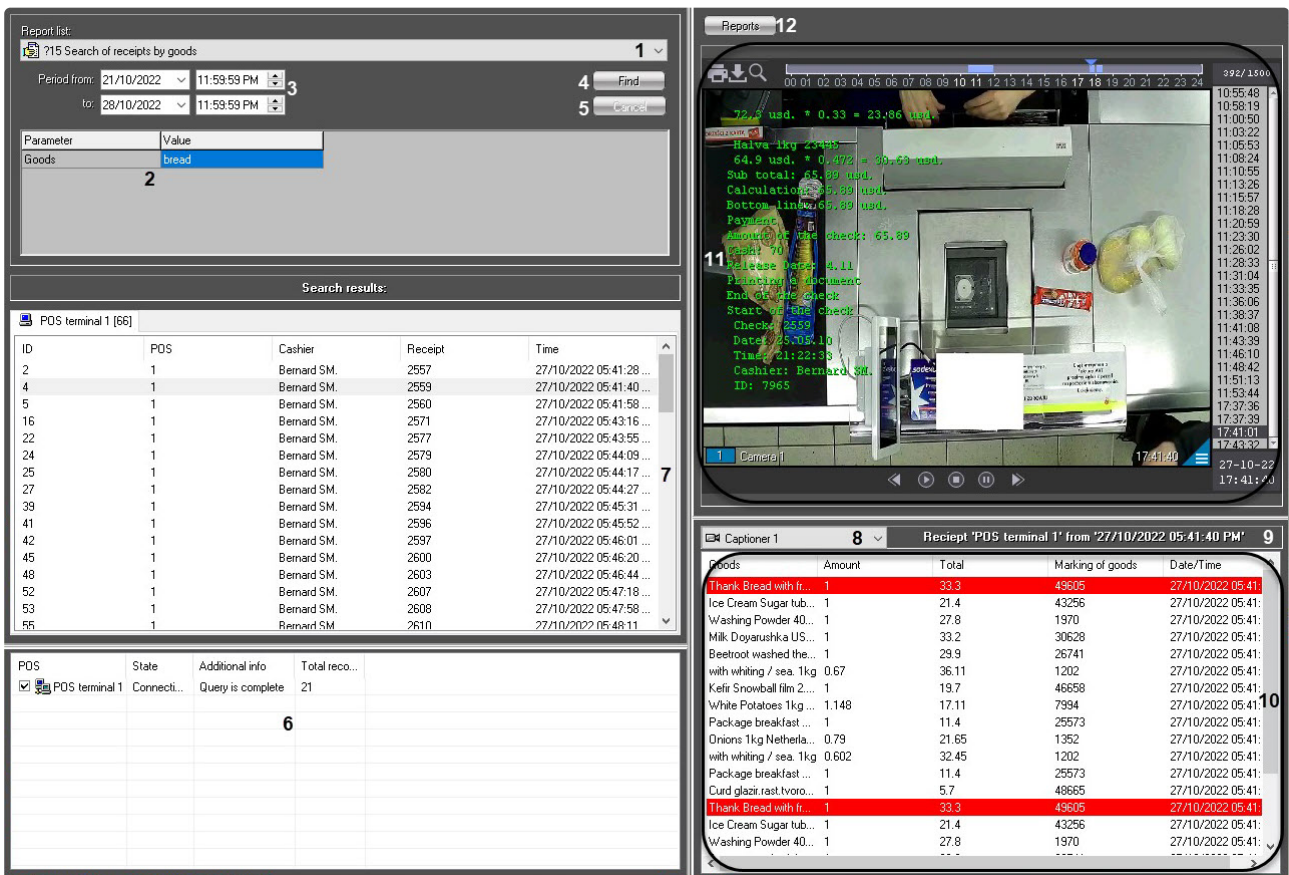


The table describes the elements of the **Captions search** window.

Element #	Description
1	Enter the search text
2	Select the search mode
3	Set time interval for the search
4	Start searching
5	Search results (transactions)
6	Captioner status
7	Search results (video)
8	Search results (receipt contents)

5.3 The Receipt viewer window

The figure shows the **Receipt viewer** window.



The table describes the elements in the **Receipt viewer** window

Element #	Description
1	Select query type
2	Specify search parameters
3	Set time interval for the search
4	Start searching
5	Cancel the search
6	POS-terminal status
7	Search results (transactions)
8	Search results (captioner selection)

Element #	Description
9	Search results (POS-terminal number, transaction date/time)
10	Search results (receipt contents)
11	Search results (video)
12	Print search results