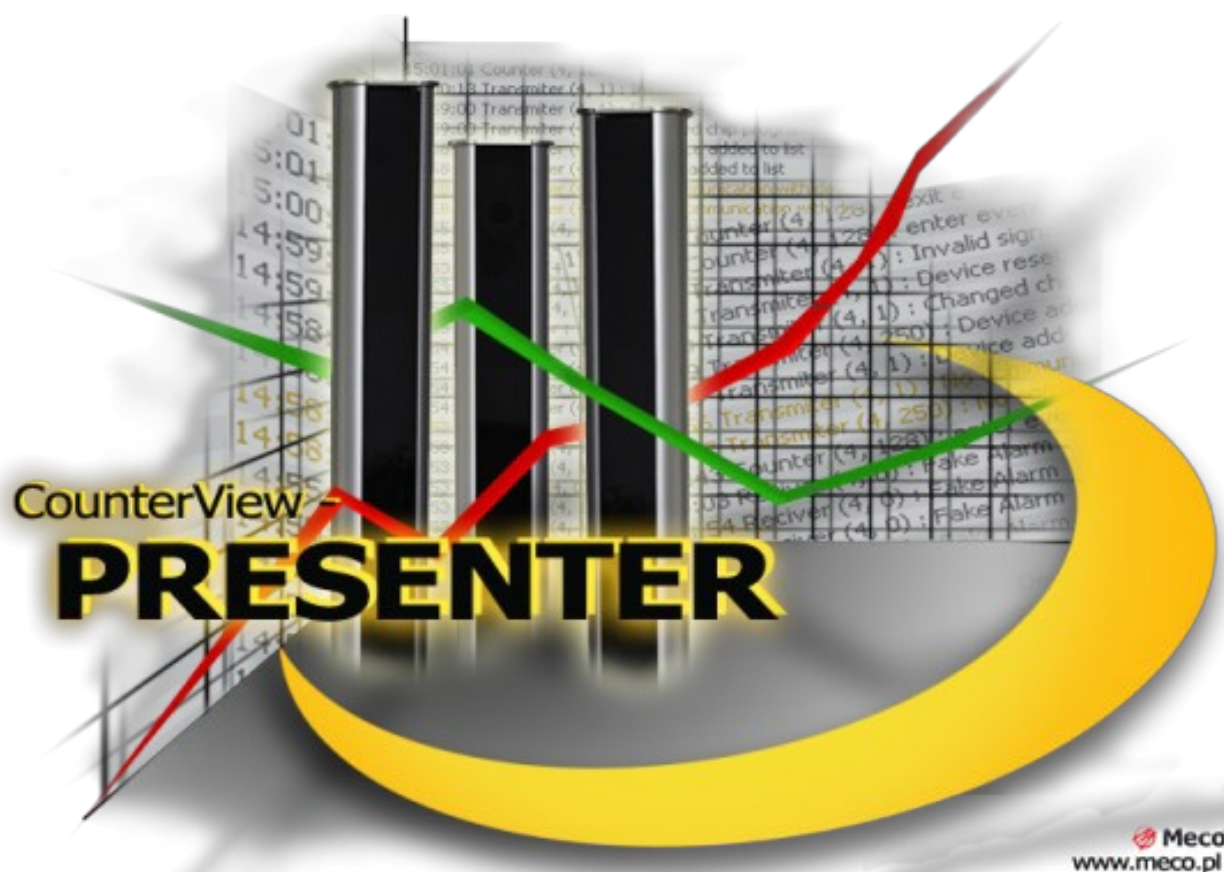




User's Manual for CounterView – Presenter program

SSK-CNVPR01.04.xx-EN-IOB01.0609-LUPA



Copyright © Meco System sp. z o.o.

Kraków 2009

Table of contents

Introduction.....	3.
Requirements.....	3
Receiving and saving logs.....	4
Using the application.....	5
Current card info.....	6
Card management.....	6
Loading the	
logs.....	8..
Export logs to CSV format	9
Browsing statistics.....	9
Settings of displayed data.....	11
Scaling the data.....	11
Averaged diagrams.....	1..1
Ratios.....	1..
2. Printing the	
logs.....	12
Browsing the event	
list.....	15
Printing the events.....	16
Program	
configuration.....	16

Introduction

CounterView - Presenter is used for visualization of statistical data, generated by the CounterView - Utility program, it also enables previewing of events, taking place in passage counters and Electronic Article Surveillance (EAS) systems. All data are stored in special files, the so called logs.

The application can present data coming for many independent data-generating programs. For communication Internet connections i.e. Emails and FTP server. Logs can also be manually copied by users. The system can also successfully run on one machine. Various examples of how to use the CounterView package are describe in “CounterView – Quick start”

All locations, for which data can be visualized, are describe in cards generated with the use of CounterView – Admin. Cards contains data with information about location and optionally FTP server, that can be used to receive the latest logs.

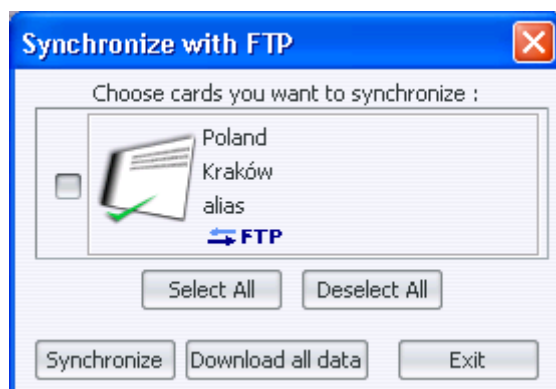
Requirements

- PC computer
- Operating System: Microsoft Windows (Windows XP or newer)
- installed J2SE Runtime Environment 6.0 (supplied on CD-ROM with the software) or newer
- Properly configured printer - for printing diagrams and event list
- Internet connection - for receiving logs over the Internet

Receiving and saving logs

Presentation data are generated by a separate program, CounterView – Utility, it can also come from the applications not including into the packet CounterView. This application most often is installed on other computer, than the one, on which CounterView - Presenter is run. There are three ways of transferring the data to the proper machine. The first way is to activate the email sending option in the business card and properly set up the email account. A similar action should be taken when configuring the sending to FTP server options. The third one involves manual copying of the corresponding folders. Programs always work on local data. If both applications are installed on the same computer there is no need to transfer logs, instead using of data generated by the CounterView – Utility program is recommended (NOTICE! This data shouldn't be overwritten). In every scenario, to view logs from any location, properly created card, the copy of the one the CounterView – Utility is using in that location, is required.

Only when data is sent via emails, at the time specified in the setup, an email is sent with the description of the branch, from which logs are sent, along with information on dates of data creation, and zip file with data. This file should be unzipped to the main directory where logs are kept, or to different folder, if the default folder for this location was changed. Because zip file contains newer data that can be placed in files which names can be similar to the ones on local machine, in case of data overwrite warning, the user must confirm if he wants to continue.



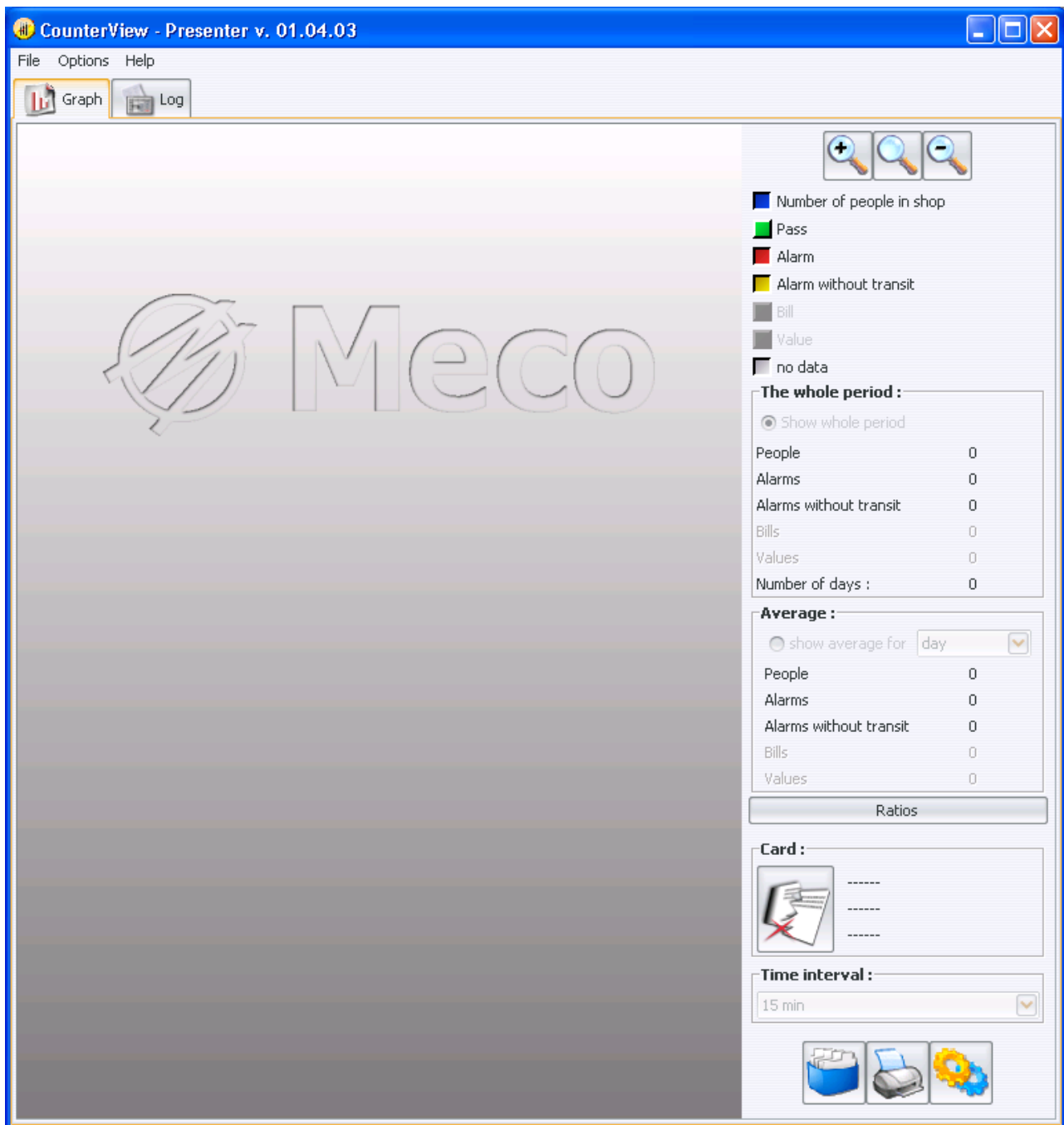
Window with synchronization options

In the case of downloading the logfiles from an FTP server, a synchronization must be made with the data on a local drive. It can be done from the menu: “Options” ->”Synchronize with FTP” or using a keyboard shortcut “Alt+S”. If program has loaded cards, which allows FTP synchronization, those cards will be listed. Only selected cards will be synchronized.

The synchronization process downloads all the missing and updated files. In case of “Synchronize all”, all the logfiles are downloaded to the target location. If the specified local folder is not a valid log-folder or not exist, but the user still wants to synchronize the data, all the logfiles will be downloaded.

Data on the computer, on which the data-generating program is installed, are in the directory “logs”, which is in the main directory, where CounterView - Utility is installed, in subfolder with the same name as the alias (defined in the business card)

Using the application



Example of application window

After starting the program, the user can configure the parameters, and load the logs. Only after loading appropriate data other functions are activated.

Current card info


Info about current card is shown after the press left mouse button on the panel that represent current card:

The window with information is parent over the window of the main application, so should to close first to use another application window.

Card management

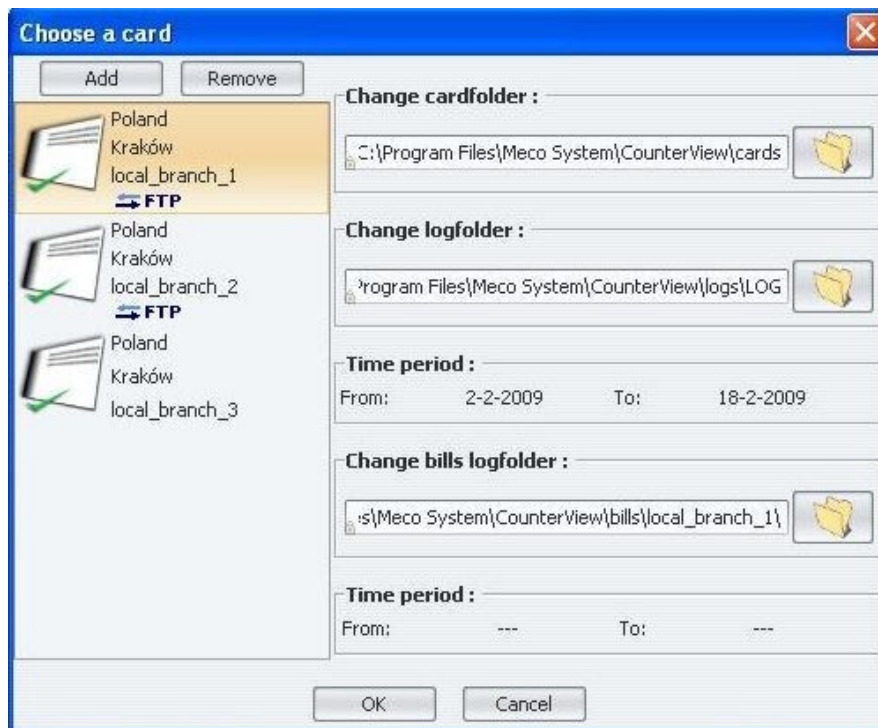


Through pressing the button „Loading logs”, situated in the right bottom of the window

of the application, we will start the little window including the button of the card  which makes possible starting the module for card management.

Cards used by the program are held, by default, in “cards” folder, which is located in application main folder. If new cards are copied to this folder, they will be added to card list in the application. Similarly, when cards are removed, they are also removed from application card list. However it is recommended to use special module for card management.


This module allow the user to: view loaded card list, add/remove cards, change defaults directories and change currently used card. After the card is selected, additional info about the time period from which logs are available is shown.





Card management module

To add a new card to the program button “**Add**” should be pressed. NOTE! The selected card will be copied to the “cards” directory.

To remove the selected card from cards list button “**Remove**” should be pressed. NOTE! The selected card will be also removed from “cards” folder.

If there is need to change default cards directory, it is possible to do this by pressing  button on “Change cardfolder” panel.

If, for chosen card, log directory is placed in not default location, there is a possibility to set it's real location by pressing  button on “Change logfolder” panel.

 If we need to change default directory for logs with bills, we can do this through the button „Change bills logfolder”.

To change current card for another, simply select it on the list, and press “**OK**”.


Loading the logs





To load the data press button, or select “File” -> “Open” option from the menu. After then the program will display the window enabling loading the logs.

Open logs

Card :

 Country : Poland
City : Kraków
Alias : local_branch_1


Time period :


 From :  To :
2 - 2 - 2009 19 - 2 - 2009

Choose entrances :

☒ entrance 1
☒ entrance 2

Select All Deselect All

OK Cancel

This window allows to select a folder containing the logs, and time intervals from which the data will be loaded. If the range is not displayed, that mean no data was copied on the local computer for the local branch. To change the range press  button and select appropriate date in the calendar window:

Window “Open logs” moreover makes possible the choice of the displaying data for chosen entrance of local branch, if there are more than one and they were defined in the business card. After choose e.g.: entries „1” will be displayed data only associated with this entry. In the case of the mark the larger quantity of entrances, the displayed data, will be sum from marked entries. In the situation when we will not mark any entry, the program only load event list to the log bookmark.

After acknowledging the selection, the application will start loading the data, and after finishing the process it will show the statistics diagram and event list.

Export logs to CSV format

In the "Options" of the programme we can find item „Export to CSV”. This function makes possible the save logs directly to the file in CSV format. This file can open in programmes like a spreadsheet. After press position „Export to CSV” will appear little window which make possible the personalization of the export:



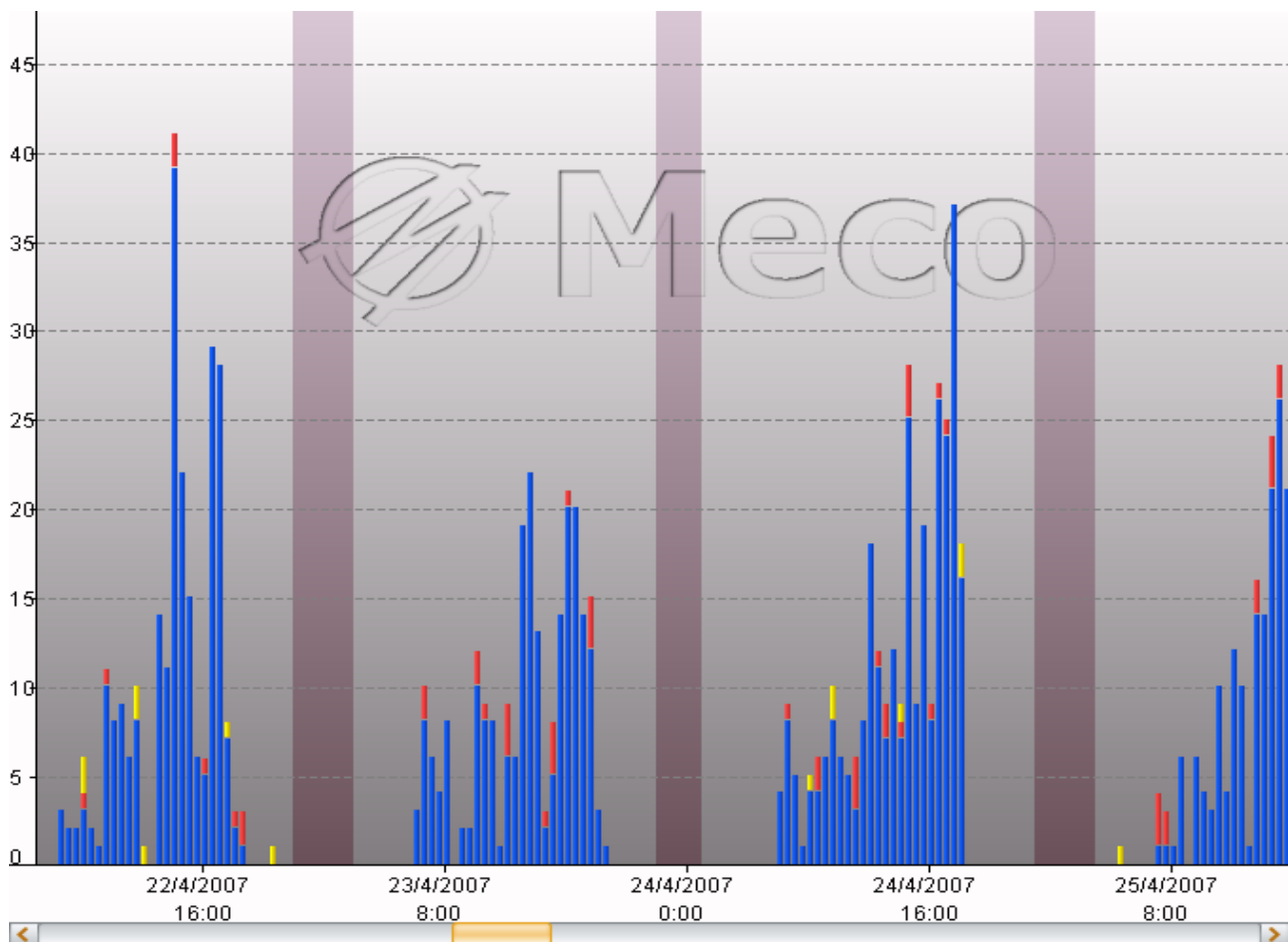
We have the possibility to modifier range of time, to define the range of dates, the content of exported file and define name of file and his location on local machine. The outcome file can content data grouped from the larger quantity of local branch than one what is possible on the left part of window under name „Select cards”.

Browsing statistics

The most important part of the program is the statistics diagram. It presents data in the barform. Depending on the color, the bars can represent different information: number of people in the room, number of alarms with recorded pass, number of alarms without recorded pass, and number of passes. Additionally, periods of time for which data are missing (e.g. due to shutdown of the system), are presented with a special color.

As already mentioned, the application allows to display information on the number of people in the room, and number of passes, these data differ from each other. In the first case, based on the information on the recorded entries and exits (for counters distinguishing passing direction), number of people, who remained in the room, is calculated. In the case of passes, information on the number of passes through the detector is shown, without taking into account the passing direction. For

example, at 8 am ten people enter to a shop and stayed there till 11. Nobody else passed the counters. When first option is selected, application will show that from 8 to 11 there was 10 people in shop. If second option is selected the program will show 10 passes at 8 and 11, and no passes between.



Example of diagram

The scale under the diagram shows time, and slider enables scrolling through the diagram. Hovering the mouse over the bar will display information on its value, and time interval, presented by it.

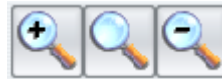
Settings of displayed data

The program enables selection of the type of data presented on the diagram. Data included on the diagram are shown in the legend:

Pressed square buttons represent data, which are taken into account when generating the diagram. Clicking them with a mouse you can check or uncheck them, which will result in redrawing the diagram considering new settings.

Scaling the data

Data can be scaled for diagram width, and time limit for such a single bar is generated.



Bar width can be changed using buttons . The first button increases the width, the second button restores default value, and the third one decreases the width.

The program also allows selection of time interval from which data are taken for generation of one bar on the diagram. For this purpose you only need to select the desired interval.

Averaged diagrams

It is useful to analyze average distribution of the data, considering only particular days of the week, and all days from currently loaded range. To display such diagram check the option "show average for" and select the corresponding day of the week. To return to display the whole period check the option "Show whole period".

The whole period :

☐ Show whole period

	In total
People	15984
Alarms	1213
F. Alarm.	626
Number of days :	102

Average :

☒ show average for

day

	Average
People	168
Alarms	0
F. Alarm.	0


Ratios

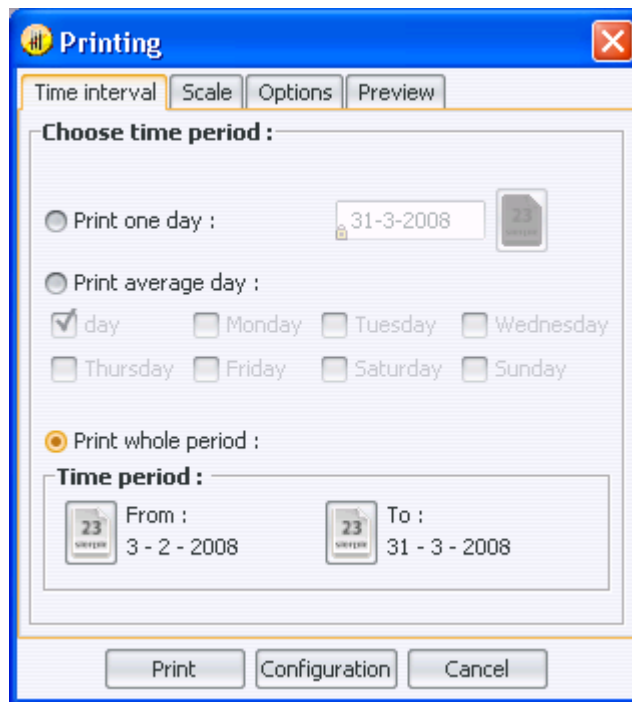
On basis of average data the application count chosen ratios. After pressing the button „Ratios” we can quickly check e.g. : daily customer quantity per 1 m² the surface of the shop or the average customer's shopping time.

Ratios

The whole period :		Average :	
Daily customer quantity per [m2]	1.854	Daily customer quantity per [m2]	1.92
Average customer's shopping time [mm:ss]	01:21	Average customer's shopping time [mm:ss]	01:21
Sales value per [m2]	0	Sales value per [m2]	0
Bills per person	0	Bills per person	0
Sales value per bill	0	Sales value per bill	0

Printing the logs

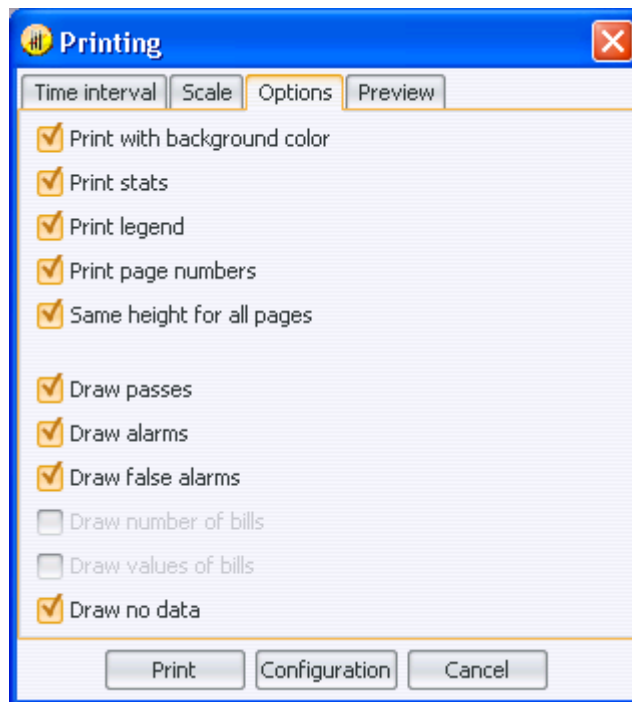
You can print the loaded logs. After loading the logs and pressing  button printing wizard will appear, which enables to configure printing option.



"Time interval" bookmark enables to select a day, or interval for which the printout is to be generated.



With "Scale" bookmark the program enables to firmly set the bar width and time interval for which data are aggregated. Default option “**Do not scale**” is not marked, which means that the program will try to find the best time and width scale to fit on default paper size print. To set the scale, the user must select appropriate “Do not scale” option, mark it and select bar width and/or time range. User can quickly check well-chosen values before printed in the „Preview” bookmark.

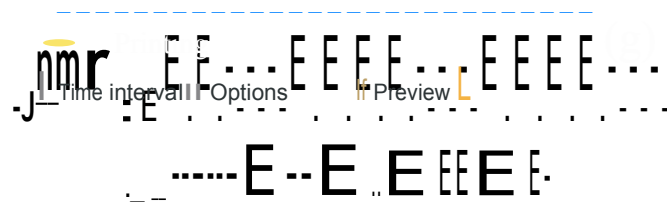


"Options" bookmark allows to set the basic print option, and define the type of printed data. The user has the following options:

- ☐ Print color background - if this option is not checked diagrams will be printed on white background.
- ☐ Print statistics - specifies if statistical summary is to be printed
- ☐ Print legend - when this option is selected, legend describing diagrams is printed on each page.
- ☐ Number pages - defines whether to number the pages
- ☐ Retain height for all pages - If this option is active the vertical scale on all pages will be the same, otherwise this scale is preserved only for the page.

In case of defining the type of printed data, the following options are available:

- ☐ Draw the number of people in the store – bars identifying number of people in the store will be printed
- ☐ Draw alarms – bars identifying number of alarms will be printed
- ☐ Draw false alarms – bars identifying number of false alarms will be printed
- ☐ Draw no data – ranges for which there are no available data will be printed with different color than background



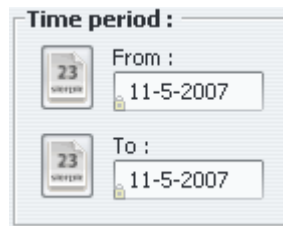
I I<
< llltl > >

Print ||configuration|| Cancel

Browsing the event list

Apart from the diagram analysis, CounterView - Presenter allows browsing the list of events, occurred in the system. To browse events select „Log" bookmark. This bookmark displays event list, and couple of tools to facilitate its browsing.

The application allows quick change of the time range, from which events are displayed. To change the range change the dates at the „Range" panel



It is also possible to set the message status, which will be visible.

SSK-CNVPR01.04.xx-EN-IOB01.0609-LUPA16 of 17

Printing the events

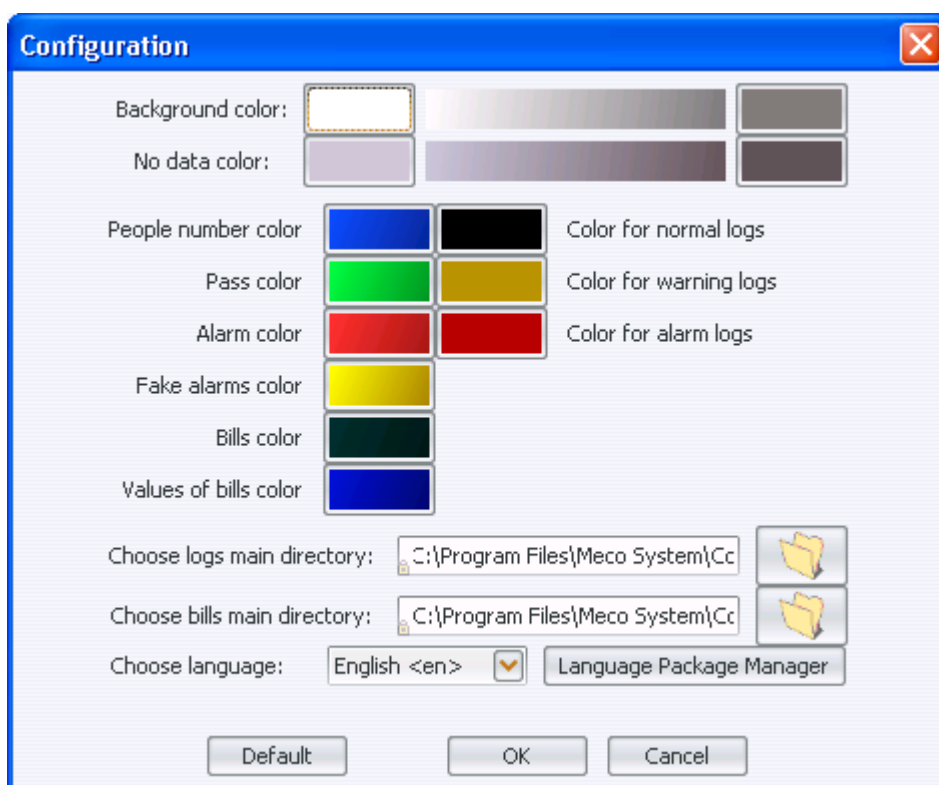


Pressing button will result in printing event list with all entered limitations (time limit, status of displayed events).

Program configuration



To display the program configuration window press button.



The program mainly allows configuration of the colors of displayed data, as well as the main directory with logs, and language in which the application is displayed.

The color selection window appears after pressing the color button.