



User's Guide
Ksenos Prime

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1 Timeline

Timeline is one of the main elements of Ksenos (see image 1.1).



Image 1.1. Timeline.

Present time (live image) is the default mode. It is selected when the button  is active.

Recorded motion is indicated with green/blue color on the timeline. The time range can be adjusted by mouse wheel on the timeline or by clicking +/- buttons located on the left side of the timeline window. The color of the timeline changes from blue to green when time range is adjusted to wider range.

The white bar on the timeline together with the time on the right side of the timeline show the current viewing time.

Timeline can be dragged to the desired time with the left mouse button or playback control buttons under the timeline. Playback control buttons are shown in the image 1.2.



Image 1.2. Playback buttons.

Explanations for the playback control buttons from left to right are (Image 1.2): **Rewind**, **Play backwards**, **Step one frame backward**, **Stop**, **Step one frame forward**, **Play**, **Fast forward** and **Skip** to present time.

The playback buttons can also be controlled by the keys 1–8 from the keyboard in the order that the image 1.2 shows.

Speed up the "Rewind" and "Fast forward" actions by double-clicking the buttons. The speed is shown in the upper left corner (+/- 1x, 2x, 4x, 8x) on the timeline.

1.1 System Start-up

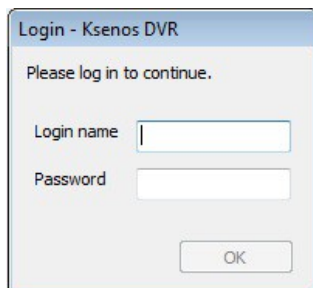


Image 1.3. Login window.

Login window (Image 1.3) does not appear unless users have been created.

Pay attention to upper and lower case letters because login name and password are case sensitive.

All camera windows will open by default if it is not defined otherwise. Also other remotely connected cameras will open automatically.

If defined, a user-specific layout is recalled after logging in.

1.2 Calendar

The calendar window can be opened by clicking the date (Image 1.4) on the right side of the timeline window with the left mouse button.



Image 1.4. Open the calendar by clicking the date.

The calendar window is shown in the image 1.5. If there are recordings on a date in a calendar, the date is circled.

The desired date can be chosen from the calendar. The playback will jump to 12:00:00 on the selected date. The recordings of the selected date are shown on the Calendar's own timeline.

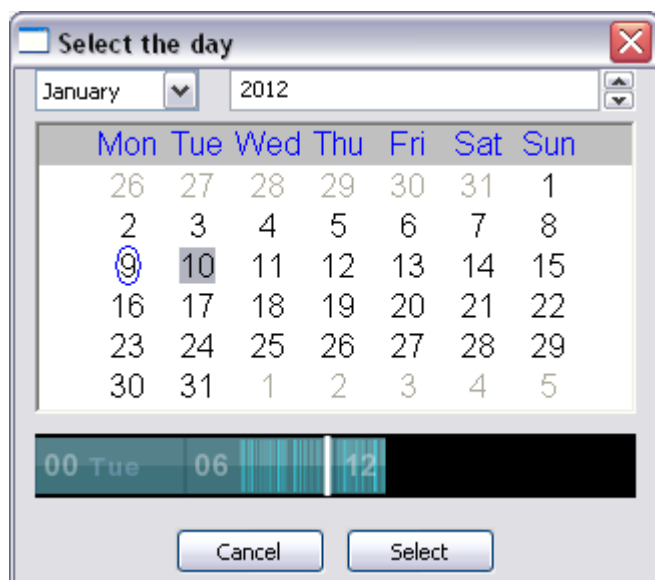


Image 1.5. The calendar window.

1.3 Go to an exact time in recordings

By left-clicking the time on the right side of the timeline window (Image 1.6) you can change the viewing time by typing in the exact hours, minutes and seconds. By pressing enter, the playback will stop to the exact time in the recordings.

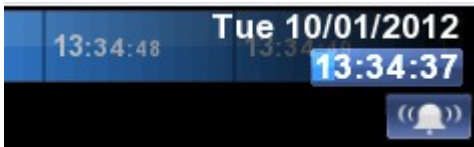


Image 1.6. Go to an exact time in recordings.

1.4 Pop-up menu from the timeline

Right-clicking the timeline will open a pop-up menu which is shown in image 1.7.

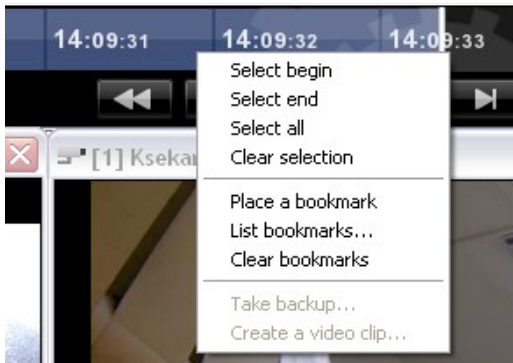


Image 1.7. Pop-up menu from the timeline.

Take backups or create a videoclips by selecting their beginning and ending points from the timeline by using this menu. Select the entire recording by choosing "Select all" and remove the selection by choosing "Clear selection". More information about backups in chapter 7 and creating video clips in chapter 8.

1.5 Bookmarks

Bookmarks can be used when a certain event needs to be marked for later browsing. Place a bookmark on the timeline by clicking the timeline at the desired time by right mouse button and selecting "Place a bookmark" from the menu or by pressing the spacebar. Also it is possible to place a bookmark by pressing "+" from the notification event window. Example image of a bookmark shown in a picture 1.8.




Image 1.8. Example bookmark on the timeline.

The list of saved bookmarks can be opened under Recorder menu (See chapter 2) or under the timeline's pop-up menu (See chapter 1.4). Name the bookmarks by double-clicking the bookmark from the list of bookmarks.

Remove all bookmarks by choosing "Clear bookmarks" under the timeline's pop-up menu.

1.6 Notification events

Pre-programmed notifications are shown in the notification events window. Open the

window by clicking the  button on the right side of the timeline window.

This feature is designed for real-time supervision only. Events are not stored in the database. However the desired event can be saved as a bookmark.

Open the notification viewer by clicking the notification event. The notification viewer shows the recordings of the related camera. Drag the timeline and use playback control buttons to browse the recordings. (Image 1.9)

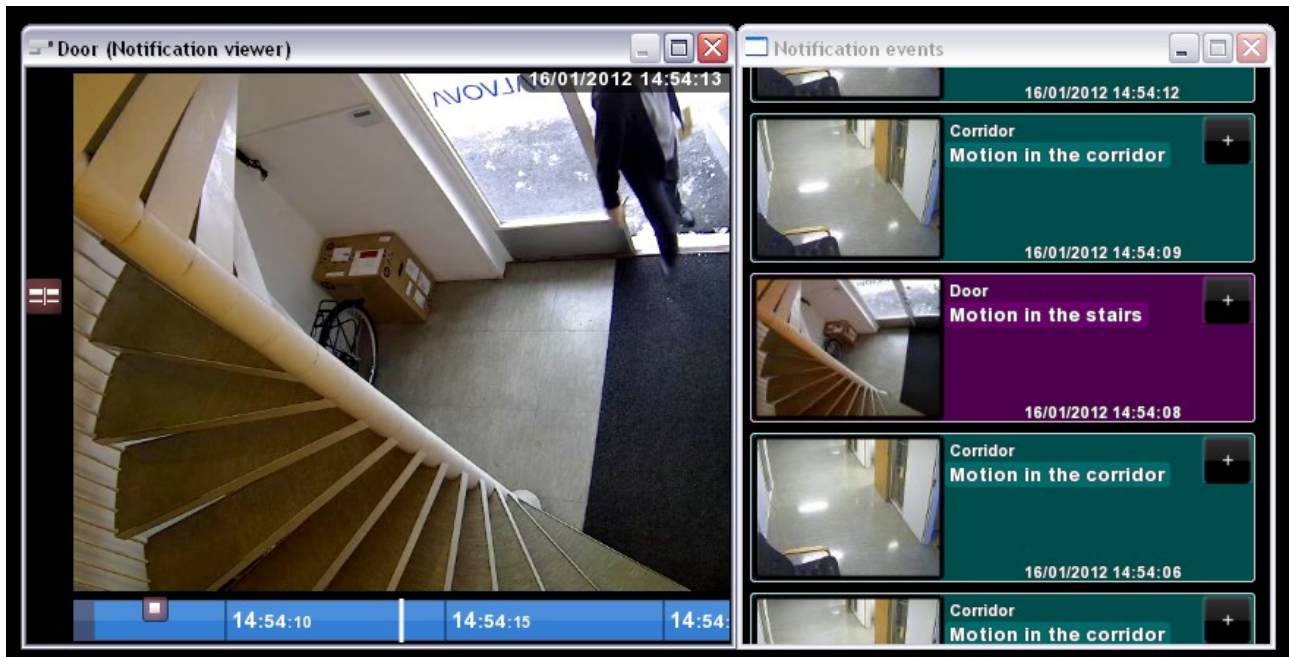


Image 1.9. Notification events.

The playback of the notification viewer will be independent from the main timeline if the Notifications setting "Detach notification viewer from the main timeline" is checked. Otherwise the notification selection will synchronize all cameras to the event's time.

Clicking the "+" on the right upper corner of the notification event creates a bookmark of the desired notification.

To set or change the rules that trigger notifications, see Installer's Handbook chapter 2.4.

2 Recorder menu

The recorder menu (Image 2.1) can be opened from the top bar. All the Recorder menu actions are explained briefly below.

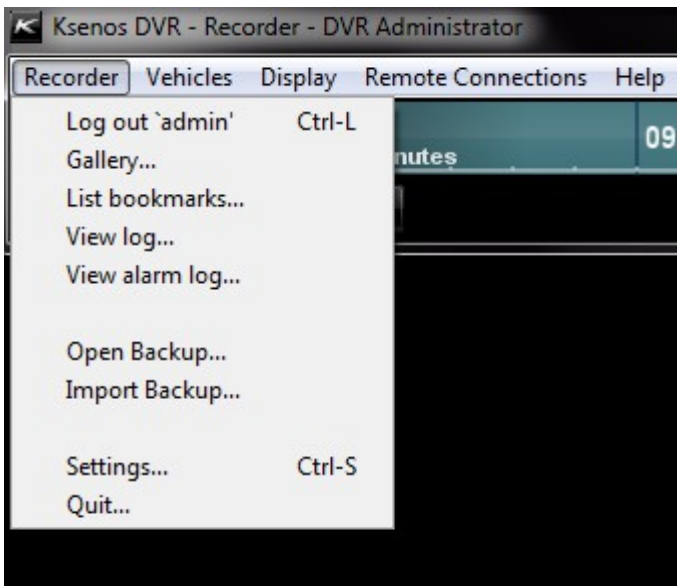


Image 2.1. Recorder menu.

Log out: Log out if a user is logged in. Shortcut is Ctrl+L.

Gallery: The taken screenshots and videoclips can be found from the Gallery.

List bookmarks: The browsing window of saved bookmarks.

View log: The log contains internal status messages. Useful for diagnosis when contacting the technical support.

Open Backup: Select "Open backup" to open the folder that contains backups. The cameras from the backup can be opened from the display menu. More about Backups in chapter 7.

Import Backup: Instead of opening a backup, this option allows you to merge the backup with local recordings. More details in chapter 7.3.

Settings: More information about changing settings in the Installer's Handbook.

Quit: ATTENTION! This will shut down all recording. Restrict the use of this selection by adding users with no rights to shut down the recording. See the installer's handbook for instructions.

3 Display menu

The display menu (Image 3.1) can be opened from the top bar. All the Display menu actions are explained briefly below.

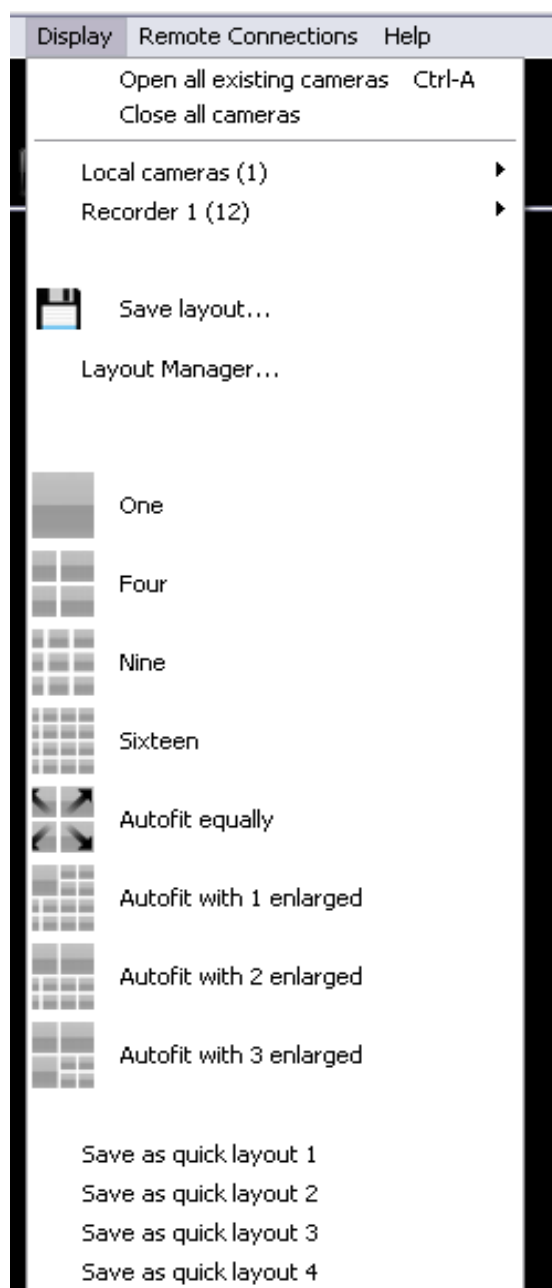


Image 3.1. Display menu.

Open all existing cameras: Open all local and remotely connected cameras.

Close all cameras: Close all local and remotely connected cameras.

Local cameras: The local cameras can be opened and closed individually or all at once .

Remotely connected cameras: Remotely connected cameras can be opened and closed

individually or all at once. In the image 3.1 "Recorder 1" is a remote server with 12 cameras that can be opened.

Save layout: Name and save layouts. More about layouts in chapter 3.1.

Layout manager: Remove layouts with layout manager.

3.1 Layouts

Camera window layouts can be stored to be recalled later. This feature is useful with larger amounts of cameras.

A camera window can be resized by dragging from the sides and corners of the window. The order of the windows can be changed and unnecessary windows can be hidden.

When the windows are in desired size and order, the layout can be stored by selecting "Save layout" from the Display menu. All stored layouts can be found from the Display menu. Example layout in image 3.2.

Remove layouts with layout manager by selecting "Layout manager" from the Display menu.

Quick layouts: Save 4 quick layouts by clicking "Save as quick layout x" from the Display menu. The shortcut buttons for these quick layouts are found on the left of the timeline window.

There are some preset layouts (**One, Four, Nine, Sixteen**) in the Display menu that can be used. There are also options for automatic resizing of the camera windows (**Autofit equally, Autofit with x enlarged**).

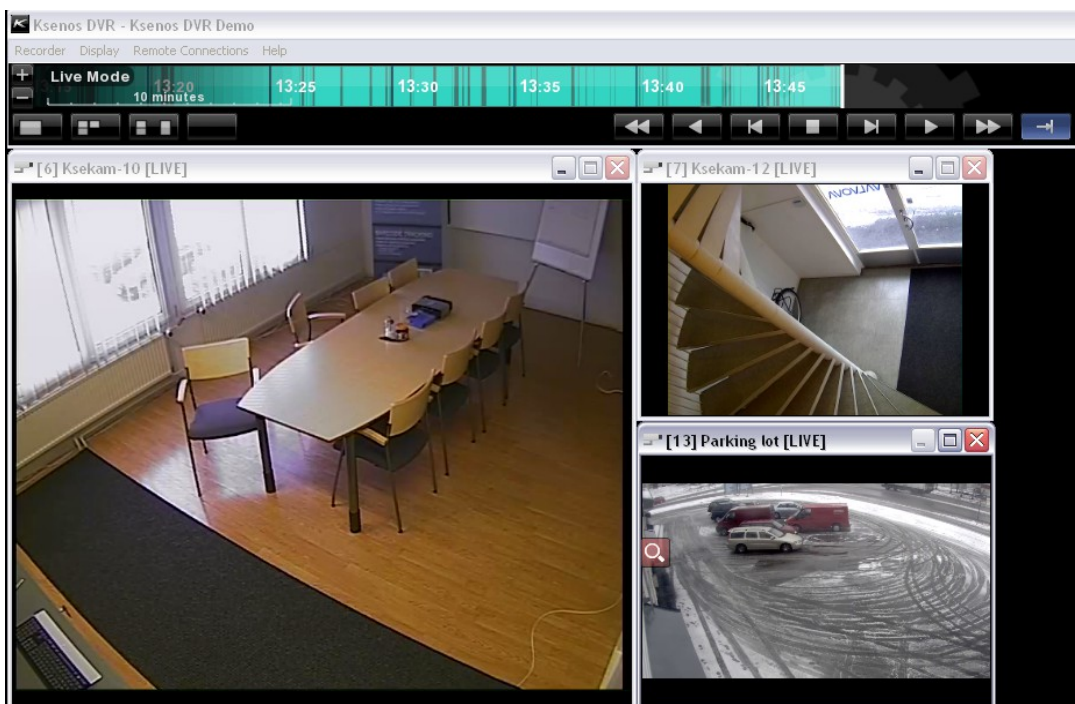


Image 3.2. Example layout.

4 Remote connections menu

Connect to the previously configured remote servers through the remote connections menu (Image 4.1). After selecting the server, log in by typing in the login name and password. The login information can be preset in the settings. In this case the login name and password are not requested. See the Installer's handbook for more information about setting up remote connections.

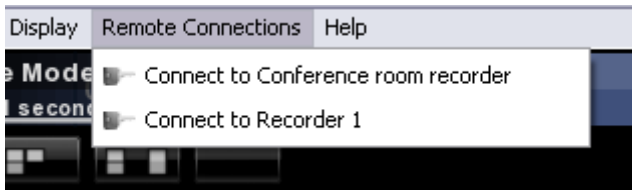


Image 4.1. Remote connections menu.

Disconnect from the remote servers from the remote connections menu (Image 4.2).

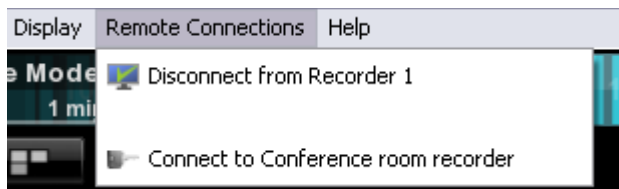


Image 4.2. Disconnect from the remote servers.

5 Help menu

The help menu is opened from the top bar (Image 5.1). All the Help menu actions are explained briefly below.

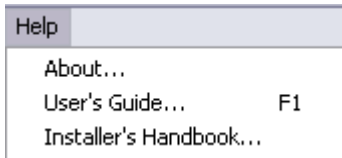


Image 5.1. *Help menu.*

About: Version information.

User's guide: User's guide for Ksenos.

Installer's Handbook: Guide for Ksenos installation.

6 Camera window

The sequence number, title and status of the camera are marked on the top bar of the camera window (Image 6.1).

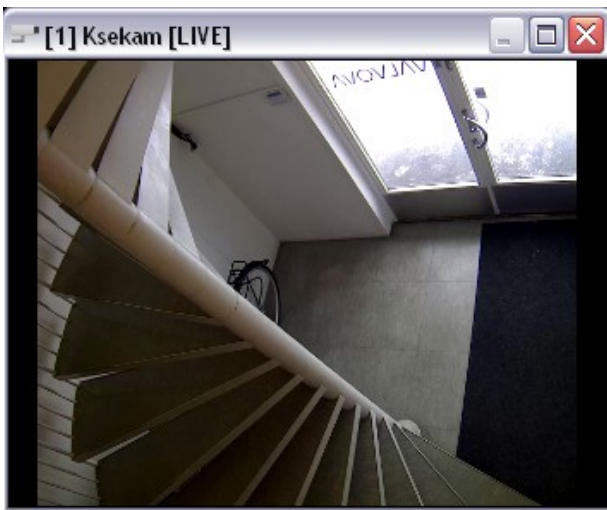


Image 6.1. Camera window with the sequence number 1. The camera's title is Ksekam and it shows live image.

The camera window menu appears on the left side of the camera window when moving the mouse cursor over the camera image. All the camera window menu actions are explained briefly below.

Fullscreen

Enlarge the camera window to full screen by clicking the fullscreen button (Image 6.2).



Image 6.2. Fullscreen.

Take a snapshot

Take a snapshot from the currently shown image by clicking the "Take a snapshot" button in the camera window (Image 6.3). Then name and save the snapshot.

Snapshots can also be taken from the live mode. File format options are JPG and PNG images. Default saving location for the files is the Gallery. All the taken snapshots can be viewed from the Gallery.

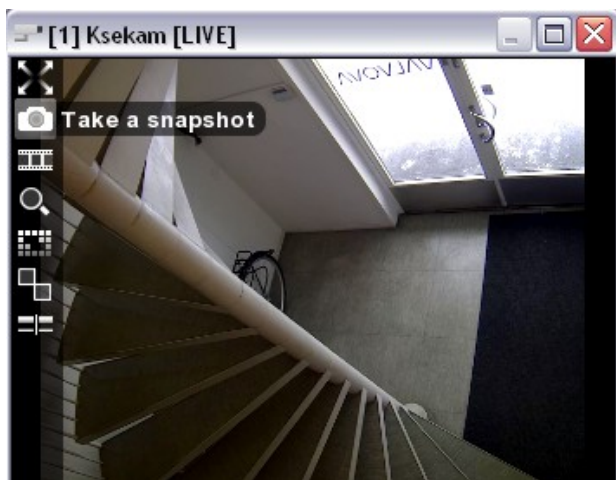


Image 6.3. Snapshot.

Create a video clip with one or more cameras

Create a video clip with one or more cameras. Start the video clip by clicking the "Create a video clip" button (Image 6.4). Continue recording video from another camera by selecting another camera window. Stop recording by clicking the "Create a video clip" button again. More information about creating video clips in chapter 8.

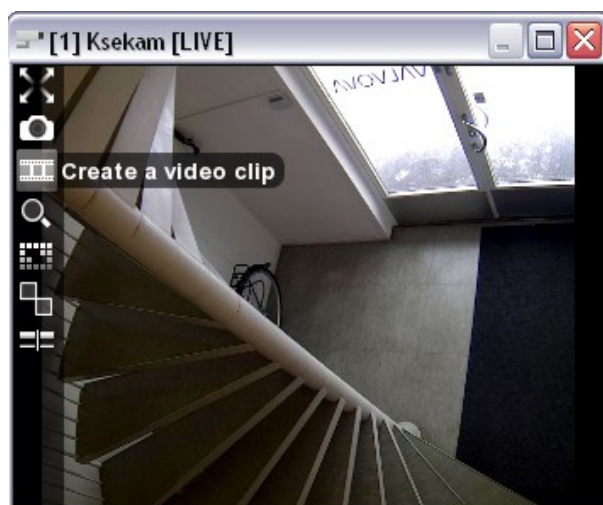


Image 6.4. Create a video clip.

Quick search for this camera

Choose one or multiple cameras for quick search (Image 6.5) by clicking the "Quick search for this camera" button from the desired camera windows. The timeline will show only the motion events of the selected cameras.

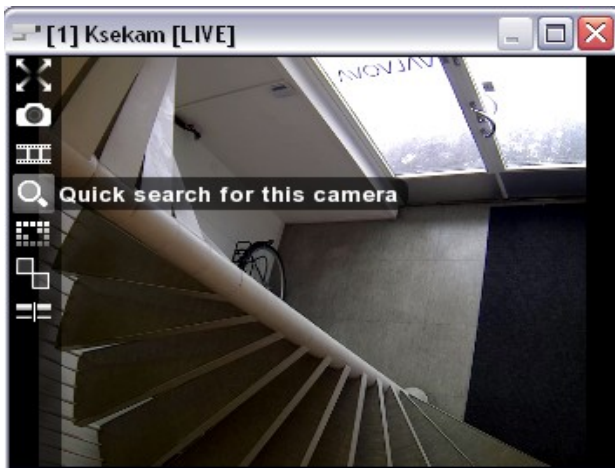


Image 6.5. Quick search for this camera.

Area search

Draw search areas on one or multiple camera windows. The timeline will show only the motion events in the specified areas. The playback will ignore everything else. Click "Area search" button and then draw the desired area on the camera window by pressing and holding the left mouse button while dragging the cursor over the camera image (Image 6.6). Erase the areas with right mouse button. Reset the areas by disabling and enabling the area search button again. See the example on the next page.

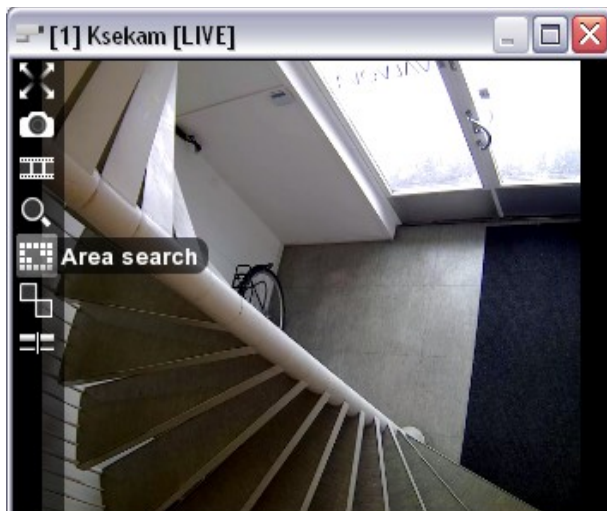


Image 6.6. Area search.

Example: Parking lot

The timeline from the parking lot camera is full of motion events as shown in the image 6.7. The timeline is full of events because the camera image covers the nearby street with continuous movement. Area search is useful when searching for motion events only inside the parking lot area.

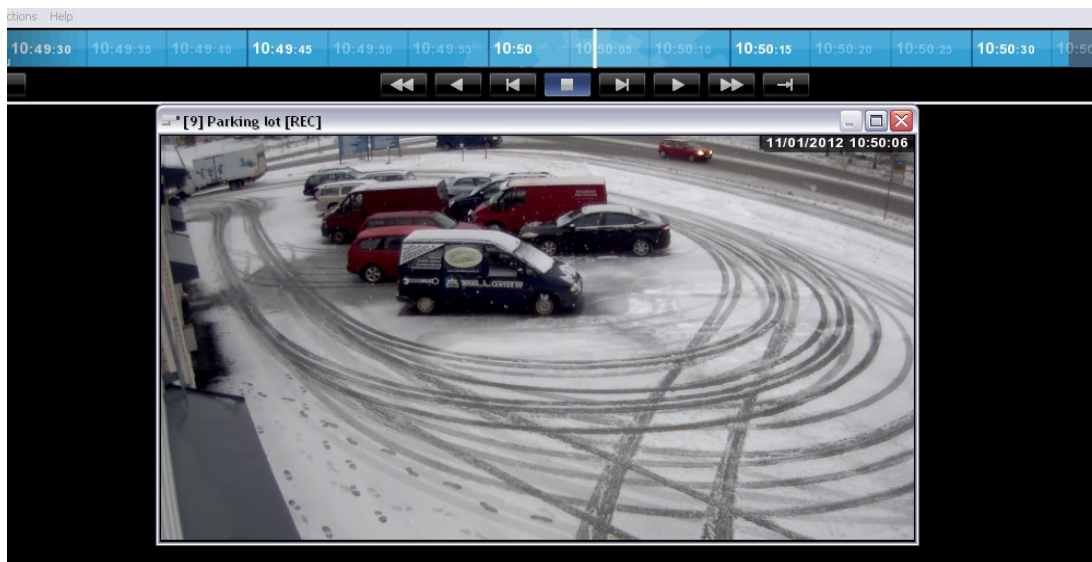


Image 6.7. Timeline full of events.

Drawing a search area on the camera image narrows down the motion events on the timeline. The timeline will show the motion events only in the selected area. See image 6.8.

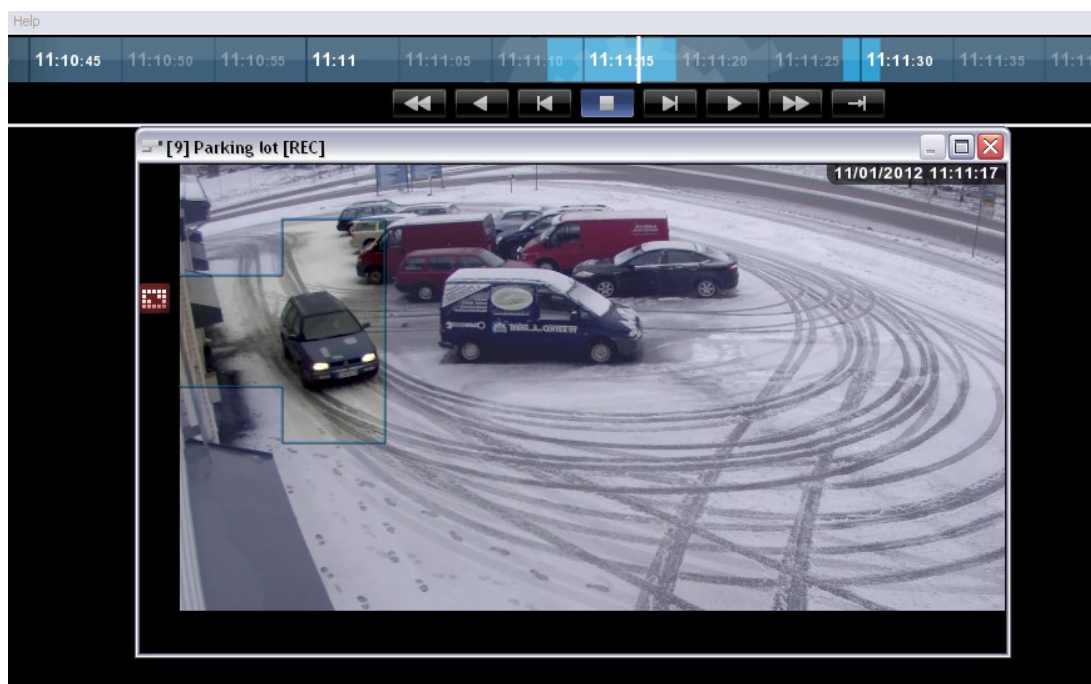


Image 6.8. Area search used.

Clone window

Open another window with the same camera image by clicking the "Clone window" button (Image 6.9).

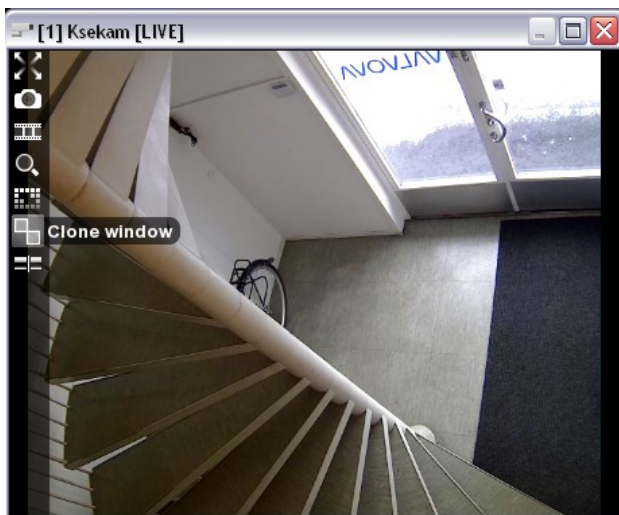


Image 6.9. Clone window.

Detach from main timeline

Detach from the main timeline and open an individual timeline for the camera window (Image 6.10). Clone window tool is useful together with this feature because it is possible to view recordings simultaneously while showing live image from the same camera.

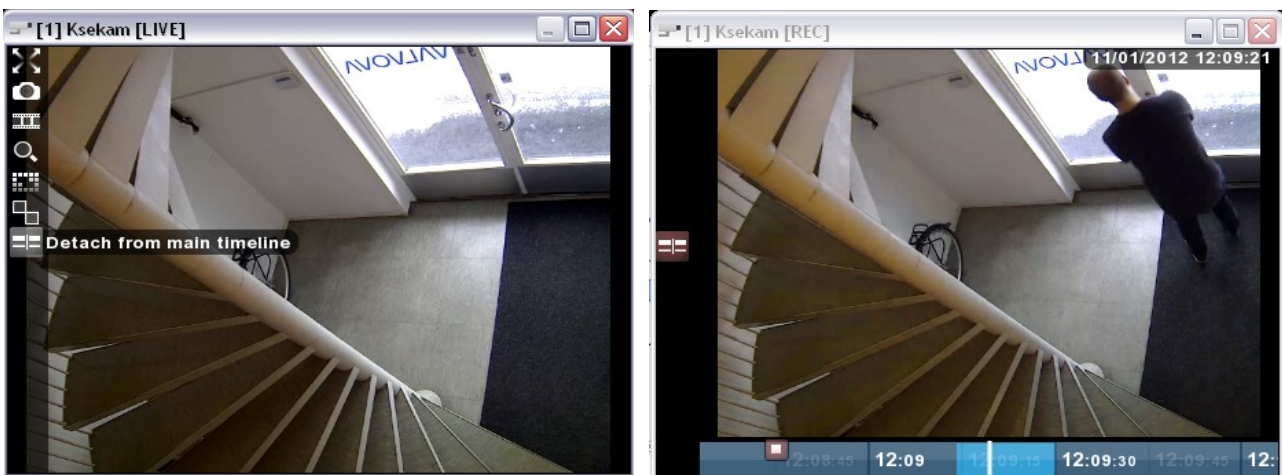


Image 6.10. Detach from main timeline.

7 Backups

7.1 Taking backups

Leave the desired camera windows open. All other cameras will be ignored when taking the backup.

Unnecessary motion events can be ignored by using the area search function. This reduces the size of the backup.

Select the desired starting point from the pop-up menu (Image 1.7) which can be opened by clicking on the timeline in desired point with the right mouse button. The timeline changes color from that point on.

Select the desired ending point from the same pop-up menu (Image 1.7) which is opened by clicking on the timeline in desired point with the right mouse button. Now the selected period is highlighted on the timeline.

Save the backup by clicking the selected period with the right mouse button and select "Take backup" from the pop-up menu as shown in image 7.1. Select the location (for example external HDD) and create a folder for the backup. The backup of selected cameras can be viewed later with the Ksenos Prime recorder or by using a client installation on a separate computer.

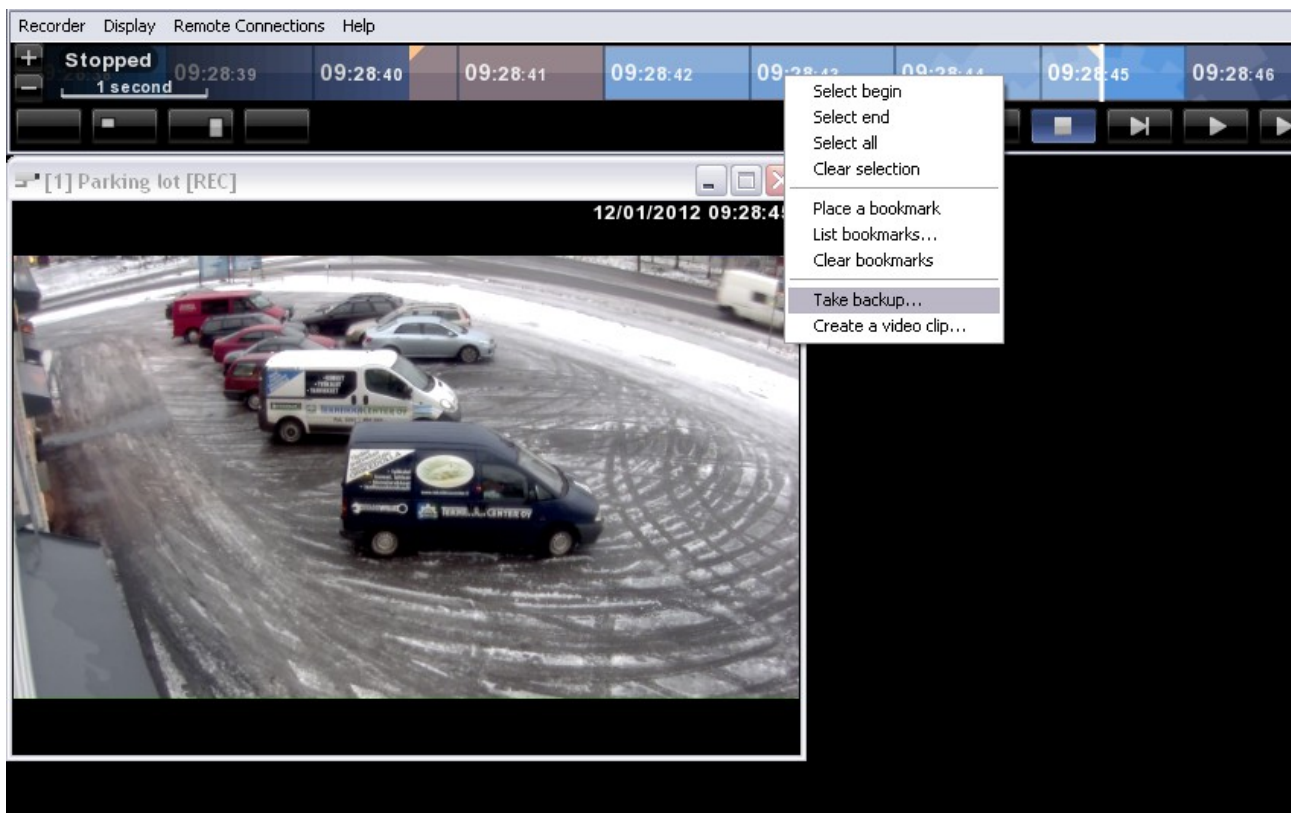


Image 7.1. Taking a backup from the selected period.

7.2 Viewing backups

Open the Backup folder from the Recorder menu. Open the backup cameras from the display menu (Image 7.2). The playback and search tools work the same way as in the actual recordings. Also video clips and snapshots can be taken from the backups.

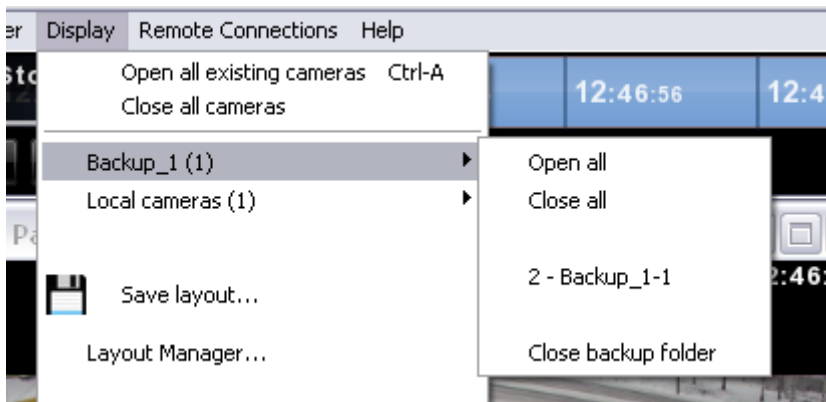


Image 7.2. Open the backup from the display menu.

7.3 Import backup

Instead of just viewing the backup, they can be merged back to the local recordings. This allows the backup to show as part of the recordings of the existing cameras, and the backup doesn't need to be opened separately.

You can import the backups by selecting "Import Backup..." from the Recorder menu. This will open a dialog where you can select the folder of the backup to be imported. After choosing the folder, the backup will be copied to the local recording storage.

If there are already recordings in the local storage, the backup might be copied over the existing recordings. Importing a large backup will thus erase all current recordings!

8 Creating a video clip

8.1 Create a video clip with one or more cameras

Create a video clip from one or more cameras. Start the video clip by clicking the "Create a video clip" button in camera window (Image 6.4). Name the clip and give a location for it. Continue recording video from another camera by selecting another camera window. Stop recording by clicking the button again. The default location is the Gallery which is found from the Recorder menu. The quality and resolution of the video clip is set in the program settings.

8.2 Create a multiplex video clip

Select the desired starting point from the pop-up menu (Image 1.7) which can be opened by right-clicking on the timeline in the desired point. The timeline changes color from that point on.

Select the desired ending point from the same pop-up menu (Image 1.7) which can be opened by right-clicking on the timeline in the desired point. Now the selected period is highlighted on the timeline.

Save the video clip by clicking the selected period with the right mouse button and select "Create a video clip" from the pop-up menu (Image 8.1). Name and give a location for the file. The default location is the Gallery which can be found in the Recorder menu.

Pay attention that only the open cameras are included to the video clip. The camera views are fitted automatically to the video clip.

The quality and resolution of the video clip is set in the program settings.

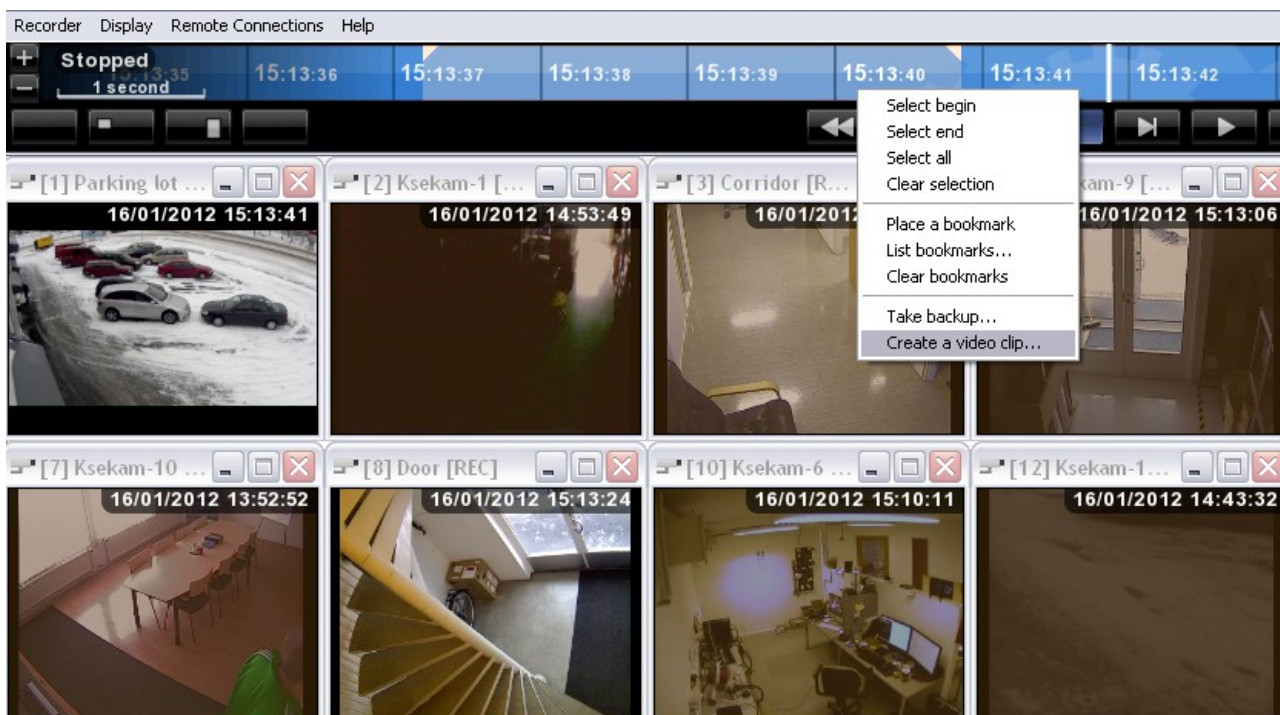


Image 8.1. Create a multiplex video clip.

9 Save snapshots and video clips to empty CD or USB memory stick

All saved snapshots and video clips can be easily exported to a CD or USB memory stick when using Linux or Windows operating systems.

9.1 Linux operating system

Open the Gallery from the Recorder menu. All saved files are located in the left side of the Gallery window (Image 9.1). Preview images and videos before exporting them by selecting file and clicking "Open" button. Select files and click the "Add >>" button for every file you want to export.

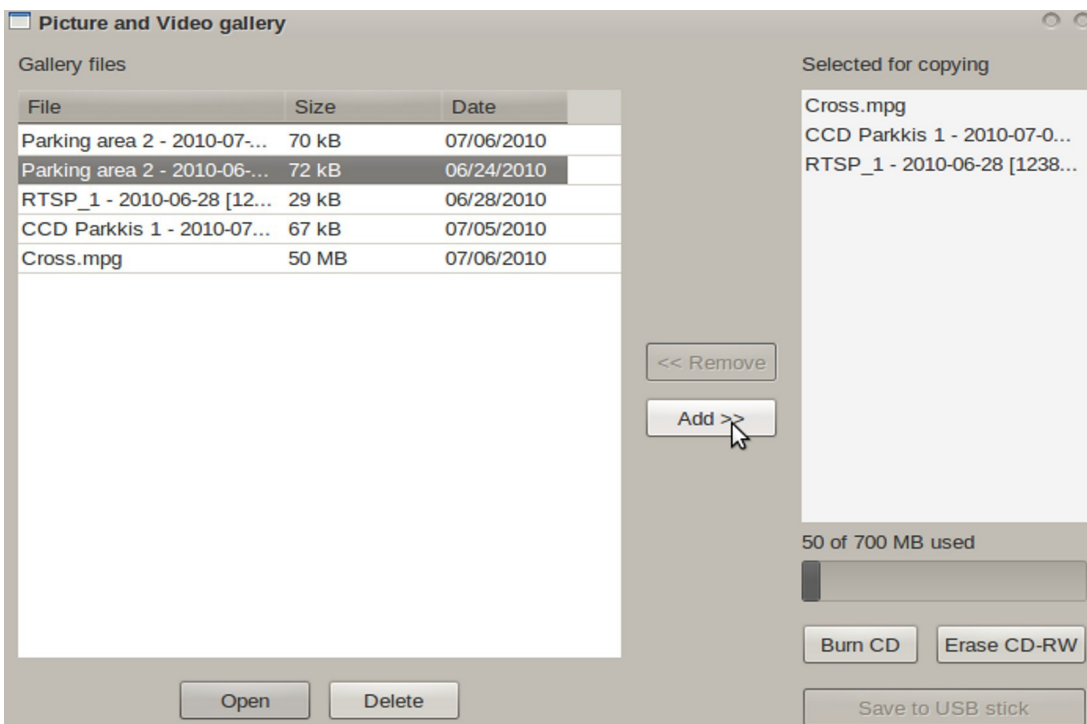


Image 9.1. Gallery folder when using Linux operating system.

If exporting files to an empty CD-R disk, place the disk in the computer and click "Burn CD". If exporting files to a CD-RW, click "Erase CD-RW" if needed and after that click "Burn CD" button.

If exporting files to a USB memory stick, insert USB stick to the computer's USB port, select files and click "Save to USB stick".

9.2 Windows operating system

Open the Gallery folder from the Recorder menu when using Windows operating system. All the saved snapshots and video clips are located here.

Windows built-in CD writing tools, which are introduced here, or other third-party software can be used for exporting files.

If all the files are wanted to copy to a CD, click the "Copy all the files to CD" button from the left side bar of the Gallery window.

Or if one or more files are wanted, select files by dragging the mouse with left button pressed down or by clicking them with the Ctrl key pressed down. Then click the "Save to CD" button from the left side bar of the Gallery window.

Clicking this gives you notification "You have files waiting to be written to the CD" (Image 9.2). Click the notification and a new file browser window will open which shows all the selected files from the Gallery. Click "Write these files to CD" (Image 9.3) and Windows will burn the files on CD.

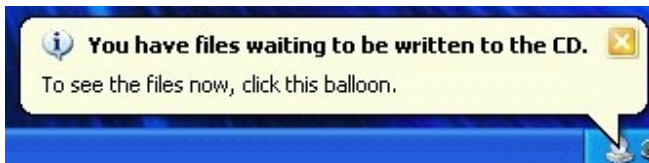


Image 9.2. Notification about files waiting the be written to the CD.



Image 9.3. Write these files to CD" button.

If using a USB memory stick, place it to the computer's USB port and wait for Windows to open the USB memory stick's file browser automatically. Open the Gallery from the Recorder menu and select files. Drag and drop them from the Gallery to the USB memory stick's file browser. Make sure you remove the USB memory stick properly from the system.

10 Floor plan

The cameras can be placed on a multi-layer map / floor plan (Image 10.1). This feature is useful with bigger camera setups. The cameras can be also spread to separate floors.

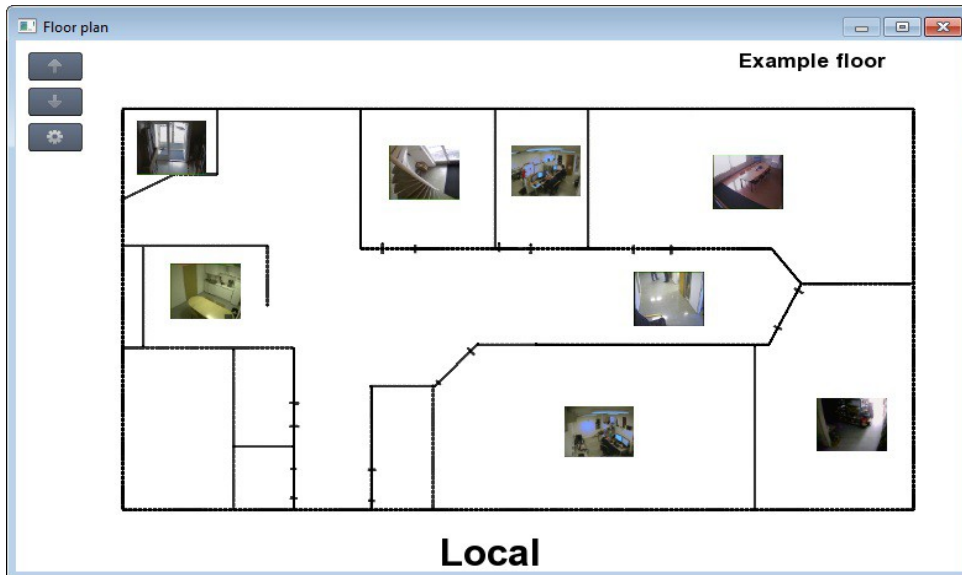



Image 10.1. Floor plan.

Open a camera window: The cameras can be opened from the map by simply left-clicking on the camera icon or image. NOTE: The camera window will not be opened if "Zoom on activation" is checked in the Floor plan settings. In this case the floor plan window will zoom to the camera's image when clicked.


Movement: Zoom with mouse scroll and move on the map by dragging with the left mouse button.

Floors: Go to upper or lower floor from the  buttons.


If the recorder or client system is connected to remote servers, a list of remote sites is shown on the left side of the floor plan window. Open the remote server's floor plans by clicking on the desired server. The remote connection must be opened before attempting to open the floor plans.

If "Zoom on camera window activation" is checked, selecting a camera window will zoom the floorplan window to it's location.

Camera placements:

Add the cameras to the floor plan by clicking the  button and then "+" button. Add and drag the added cameras to the right locations with mouse by left button pressed down.

Remove the camera by clicking the "X" button.

Move the camera to another floor by clicking on the  buttons when the desired camera is selected.

When finished editing, press the  button again.

More information about floor plan settings in the Installer's Handbook.