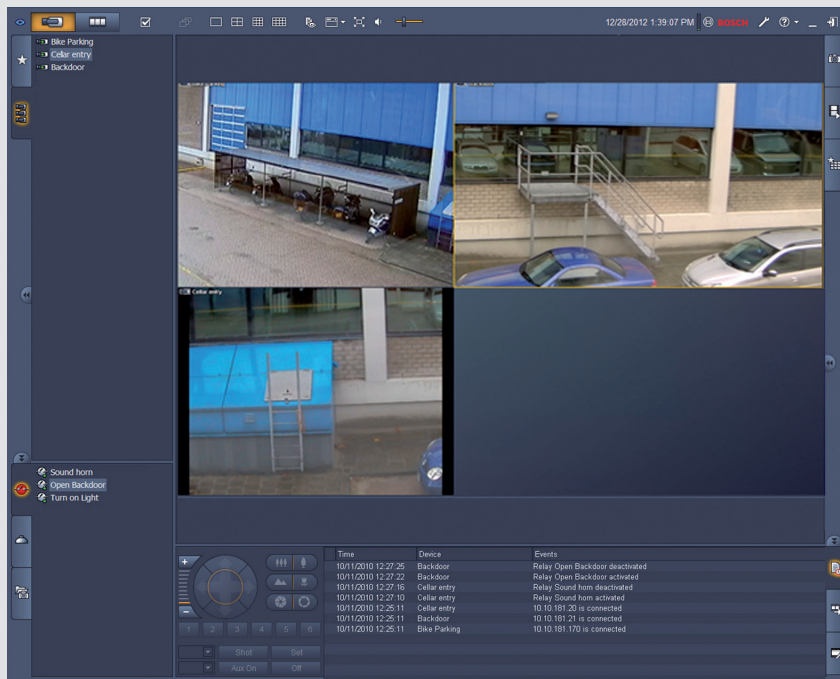




Video Client



BOSCH

Table of contents

1	Introduction	6
1.1	System requirements	6
1.2	Software installation	6
1.3	Conventions used in the application	6
2	Start-up and configuration	8
2.1	System overview	8
2.1.1	Live viewing and playback application	8
2.1.2	Configuration Manager	8
2.2	Start-up	8
2.3	Configuration wizard	8
2.4	Configuring with Configuration Manager	10
2.4.1	Video Client	10
2.4.2	Installing licenses	12
2.4.3	Saving the configuration	12
2.5	How to log on	12
3	Live window overview	13
3.1	Basic overview	13
3.2	Toolbar icons	15
3.2.1	Playback	16
3.2.2	Setting user preferences	16
3.2.3	Sequencing views	16
3.2.4	Selecting quick display modes	17
3.2.5	Opening text viewer pane	17
3.2.6	Configuring cameo window display	17
3.2.7	Maximizing video area	17
3.2.8	Enabling audio	17
3.2.9	Controlling audio volume	17
3.2.10	Configuration	17
3.2.11	Getting help	17
3.2.12	Minimizing Video Client	17
3.2.13	Log-off	18
3.3	Favorite views and video device list panes	18
3.3.1	Favorite views pane	18
3.3.2	Video device list pane	19
3.3.3	Device icons	19
3.4	Relays, contacts and snapshots panes	20
3.4.1	Output relays	20
3.4.2	Input contacts	20
3.4.3	Snapshots	20
3.5	Cameos	20
3.5.1	Cameo context menu	21
3.6	Text view pane	22
3.6.1	Exporting text	22
3.6.2	Clearing and closing the text pane	22
3.7	Status tabs	22
3.7.1	Logbook	22
3.7.2	Export job	23

3.7.3	Image calibration	23
4	Viewing live images	24
4.1	Selecting favorite views	24
4.2	Making quick views	24
4.3	Video image overlays	24
5	Setting up favorites	26
5.1	Making a view	26
5.2	Making a sequenced view	27
6	Workstation recording	28
7	Saving snapshots	29
8	Instant playback	30
9	Monitor wall	31
10	Controlling cameras	33
10.1	Digital zoom	33
10.2	PTZ cameras	33
10.2.1	Mouse control	33
10.2.2	Control console	34
11	Playback window	35
11.1	Playback toolbar	35
11.1.1	Setting user preferences	35
11.1.2	Selecting quick display modes	36
11.1.3	Opening text viewer pane	36
11.1.4	Configuring cameo window display	36
11.1.5	Maximizing video area	37
11.1.6	Enabling audio	37
11.1.7	Controlling audio volume	37
11.1.8	Configuration	37
11.1.9	Getting help	37
11.1.10	Minimizing Video Client	37
11.2	Selecting camera recordings	37
11.3	Timeline	38
11.3.1	Context commands	39
11.4	Playback controls	40
11.5	Exporting recorded video clips to a PC hard disk	41
11.6	Taking snapshots	41
11.7	Search tabs	41
11.8	Playing stored files	42
11.8.1	Exported video clips	42
11.8.2	Archived snapshots	42
11.9	Camera SD card	43
12	Searching for events	44
13	IVA search	46
14	Searching for text	47
15	Command line start	49
16	Using keyboards	52
16.1	Standard keyboard shortcut keys	52
16.2	Using a Bosch IntuiKey keyboard	54
16.2.1	Before installing the IntuiKey keyboard	54

16.2.2	Setting up the IntuiKey keyboard	55
16.2.3	Using the IntuiKey keyboard	55

1 Introduction

Video Client is a PC application for live viewing, control, search and playback facilities for any camera connected to the network.

Remote control functions include pan, tilt, and zoom control of cameras (including full AutoDome control). The on-line status of the connected units is provided and you can access the Configuration Manager application to set up a unit or configure your system.

The Forensic Search tool, which is an integral part of Video Client, provides a powerful means of searching recorded material for IVA (Intelligent Video Analysis) events.

1.1 System requirements

Operating platform: A PC running Windows XP SP3, Windows Vista SP2 or Windows 7 with .NET 3.5 installed.

The recommended PC requirements are:

- Processor: Intel Pentium DualCore, 3.0 GHz or comparable
- RAM memory: 2048 MB
- Free hard disk space: 10 GB
- Graphics card: NVIDIA GeForce 8600 or higher
- Video memory: 256 MB
- Network interface: 100/1000-BaseT

1.2 Software installation

1. Insert the product disk into the optical drive of the PC;
The installation program should start automatically.
2. If installation does not start automatically, locate the BVC-...-Installer.exe file on the disk and double-click it.
3. Follow the instructions on the screen to complete the installation.

Note:

Software updates are released periodically. Check the Bosch Security Systems website for the latest version.

Logging support for VRM

To integrate VRM logs into the Video Client logbook, carry out the following steps:

1. Copy VrmLogMonitor.exe and VrmLogService.exe from the Video Client installation folder (default C:\Program Files\Bosch\Video Client) to a folder on the computer running VRM.
2. Open a command shell on the VRM computer (run as administrator!).
3. Go to the folder containing VrmLogMonitor.exe and VrmLogService.exe.
4. Install the service by typing: `VrmLogService.exe -i`
5. Start the service by typing: `VrmLogService.exe -s`
- ✓ The log monitor service now reports all current VRM logs to all connected Video Client applications (starting 15 minutes in the past).

The service is now automatically started every time the system boots.

- To stop the service, type: `VrmLogService.exe -k`
- To completely remove the service, type: `VrmLogService.exe -u`

1.3 Conventions used in the application

Interpreting icon colors

- Disabled functions are shaded.
- Active selections are highlighted in yellow in the live window and in light blue in the playback window.

Calendar window

The calendar window is displayed after clicking the calendar icon in windows where a date must be filled in.

- Click the arrow keys to change months.
- Click a date to return to the date box with the selected value filled in.
- Press **Esc** on the keyboard to leave the window without changing the date.

Lists

- In lists, click a column header to sort the list according to that column item.
- Click a second time to sort the list in reverse order.
- Use the scroll bars to scroll long lists.

Expand/collapse lists

In the device tree or favorites panes, the tree structure shows  or  next to an icon. Click  to expand the list; click  to collapse the list.

Multiple selection

To select multiple items, select a single item, and then hold down the **CTRL** key while you click other items that you want to select.

2 Start-up and configuration

2.1 System overview

Video Client consists of the following components:

- Live viewing and playback application
- Configuration Manager

2.1.1 Live viewing and playback application

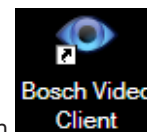
This application provides two windows; one for live viewing and camera control, and one for playback of recordings and exports.

2.1.2 Configuration Manager

The Configuration Manager application can be opened via an icon  in the live viewing and playback application. Configuration Manager allows the user to configure the system setup and to set the configuration settings for supported devices. A wizard that helps with the initial configuration of a system can be activated by clicking **Configuration Wizard...** in the **Tools** menu of Configuration Manager.

2.2 Start-up

Starting the program



When installation is complete, double-click the Bosch Video Client icon on the desktop to start the program. Alternatively, start the application via the **Start** button and the **Programs** menu (path: Start/Programs/Bosch Video Client/Bosch Video Client).

Starting the first time

When the program is started for the first time, a wizard opens to help you detect and configure devices on the network. Follow the steps in the wizard to set up the Bosch Video Client Video Client for first-time use.

Command line start

The program can also be started from the command line with additional parameters.

See also

- *Command line start, page 49*

2.3 Configuration wizard

The configuration wizard is a quick way of setting up the most important parameters for the system for a first-time installation. The parameters shown in the wizard are a subset of all the parameters that can be set in the **System > Applications > Video Client** menu of Configuration Manager.

When the wizard opens it guides you through the configuration process in a few steps. Click **Next >** and **< Back** to navigate through the wizard.



Passwords

Enter (and confirm) universal, system-wide passwords for three user groups (leave the fields empty if you do not wish to do this).

The passwords for the system user levels are mapped to the system components. When accessing a device, for example, the password for administrator is used for access level service, while the password for operator is used for access level user.

	Authorization level	Configuration Manager	BVIP device
	Highest	administrator	service
	Medium	operator	user
	Lowest	live	live



Recorder

Select whether to record locally on the devices (for example, to an SD card) or to use a VRM recorder.

To record using a recorder, enter the relevant IP address or select the address of a configured recorder from the list.



Device Selection

All devices detected in the network are listed. If you think that a device is missing click **Update**.

All devices with a check mark will be configured (allocated an IP address). If you do not wish to configure a device using the wizard, click the box to remove the check mark.

Devices marked with a green square are already allocated to a VRM recorder. If these are deselected the allocation is broken and the associated recordings are deleted.

Not all devices support IP address configuration via DHCP. If required, configure these devices manually.



Network

Select **Use DHCP** if all devices support DHCP and you want to assign IP addresses automatically.

Alternatively, enter an IP address range. This range must provide sufficient IP addresses for all the devices to be configured.



Date and Time

Select whether the date and time are to be taken from the settings on your PC or from an SNTP server. If necessary, reset the system time and date on your PC or enter the IP address of an SNTP server.



Video Quality

Use the slider to select the quality of the video for all devices. The relevant settings for each device are made automatically. Set a bandwidth limit if required.



Recording

Create a uniform recording scheduler for all devices. Define three recording profiles (**Day**, **Night** and **Weekend**) by selecting a recording mode (**Continuous**, **Motion** or **Off**) and setting the quality slider. Fill the weekly recording calendar with these profiles. If no recordings are to be scheduled, you must select **Off** mode for every recording profile.



Summary

A summary of the selected settings is displayed. If you want to change the settings, click **<** **Back** to go back step by step in the wizard.

Click **Apply** to configure the devices according to the selected settings; click **Cancel** to cancel the wizard.

2.4 Configuring with Configuration Manager

When the wizard finishes, Configuration Manager opens.

1. Click the **System** tab.
2. Under **Applications**, click Video Client.

This is where you can change the default settings for Video Client.

2.4.1 Video Client

Use the following menus to configure Video Client:

1. In the **User Management** menu, set user accounts, user passwords, and access rights if required.
2. In the **Cameras** menu, verify that the correct cameras are selected and that they are in the correct order, and assign access rights.
3. In the **Digital Inputs** menu, verify that the correct inputs are selected and that they are in the correct order, and assign access rights.
4. In the **Relays** menu, verify that the correct relays are selected and that they are in the correct order, and assign access rights.
5. In the **Application** menu, configure workstation recording and the use of the keyboard, and manage licenses.

Implementing user administration

If you define a password for administrator, this will have to be entered every time the database is opened.

To create users and define user rights:

1. Select the **User Management** group.
2. To create an additional user, click **Add...**
A dialog box appears.
3. Enter the user name and password.
4. To define individual user rights, select the relevant entry in the list of created users and activate or deactivate the required options under **Rights**.
5. To remove a user, select an entry in the list of created users and click **Remove**.

Selecting components

1. Depending on the group for which you want to select components, select the **Camera Order**, **Digital Input Order** or **Relay Order** tab under the respective group.
2. Check those components you want listed in Video Client.
The sort order of these lists matches that in Video Client.
3. Click the **Top**, **Up**, **Down** and **Bottom** buttons to change the position of a selected component within the list.

Assigning rights

1. Depending on the group for which you want to assign rights, select the **Camera Access**, **Digital Input Access** or **Relay Access** tab under either the respective group.
Each user is assigned the highest authorization level by default.
2. To change a user's access rights, left-click the relevant table cell until the desired authorization level is selected.
3. To assign a user the same authorization level for all components, or vice versa, right-click the relevant column or row header and select the desired authorization level.

Camera access

	PTZ configuration	The user can configure the PTZ settings
	PTZ control	The user can control the camera
	View only	The user can watch videos
	Access denied	The user has no access to the camera

Digital input access, relay access

	Control allowed	The user can control the component
	View only	The user can see the component
	Access denied	The user has no access to the component

Configuring workstation recording and the use of IntuiKey

1. Select the **Application** tab of the **Application** group.
2. Select the path for workstation recordings. If you do not enter anything here, the following default setting is used: %current user%\My Documents\Bosch\Video Client\Recording.
Define the maximum hard disk space in GB to be used for manual recordings. If you do not enter anything, 10 is used.
3. Select the IntuiKey communication port if you have activated the use of the keyboard.

Licenses

On the **Licenses** tab of the **Application** group you can find information on the licensing of camera channels in Video Client. A Video Client installation has 16 camera channels as standard. You can enable additional channels by purchasing a license.

The host ID displayed here is needed to install a license for additional camera channels. The number of enabled camera channels is shown. Click **Add License...** to open a dialog box for the installation of additional licenses.

2.4.2

Installing licenses

Follow these steps to install a license for Video Client:

1. Order a license - you will receive an authorization code.
2. Go to the **Licenses** tab of the Configuration Manager application to determine the host ID of your computer.
3. Log on to the Bosch license manager (<https://activation.boschsecurity.com/>) using your authorization code.
4. Fill-in and submit the license activation data (including your host ID).
5. Enter an e-mail address to receive the activation code.
6. Save the license key file from the received e-mail to your hard disk.
7. Go to the **Licenses** tab of the Configuration Manager application and click **Add License....**
8. Navigate to the license key file on your hard disk and click **Open**.
9. Check that the license has been activated.
10. Save your configuration and restart Video Client.

2.4.3

Saving the configuration

When finished:

1. Click  to save the configuration.
2. Close the Configuration Manager application.

2.5

How to log on

When the application is started, the log-on window appears. The user name and password boxes are blank.

To log on:

1. Type a user name and password.
2. Click **Log on**.
Check with the administrator if access is denied to the unit.

Note:

When no user name and password settings are entered or modified in the wizard or in the Configuration Manager application, you can log on using the user name administrator and no password.

3 Live window overview

The live window appears when you start Video Client.

In the live window you can:

- view live video
- select different multiscreen displays
- set up favourite views
- assign cameras to cameos
- open an instant playback window of the active cameo
- record a camera video clip to the PC hard disk
- capture a still frame snapshot of the active cameo
- configure a monitor wall
- control PTZ cameras
- monitor unit status and alarm conditions

Note:



If you are in the playback mode, click  to switch to the live window.

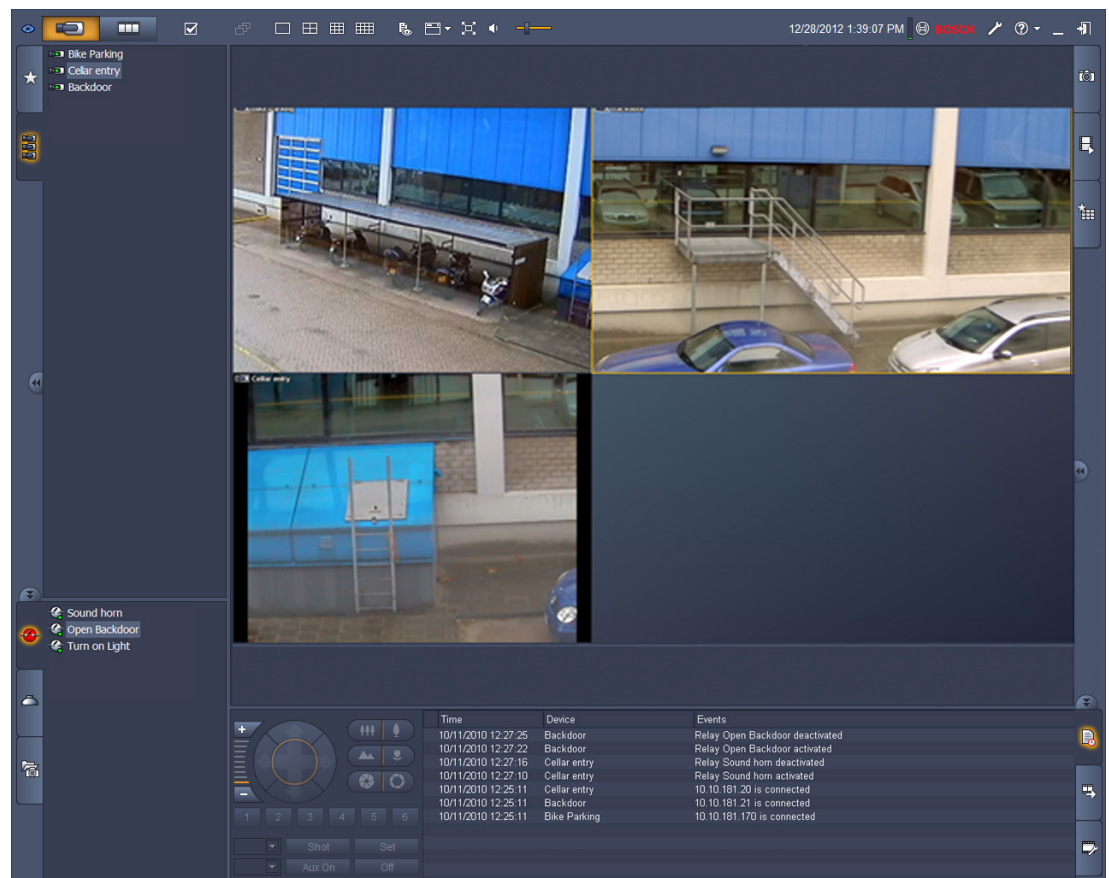


Figure 3.1: Typical live window

3.1 Basic overview

The control areas of a basic live window are shown below.

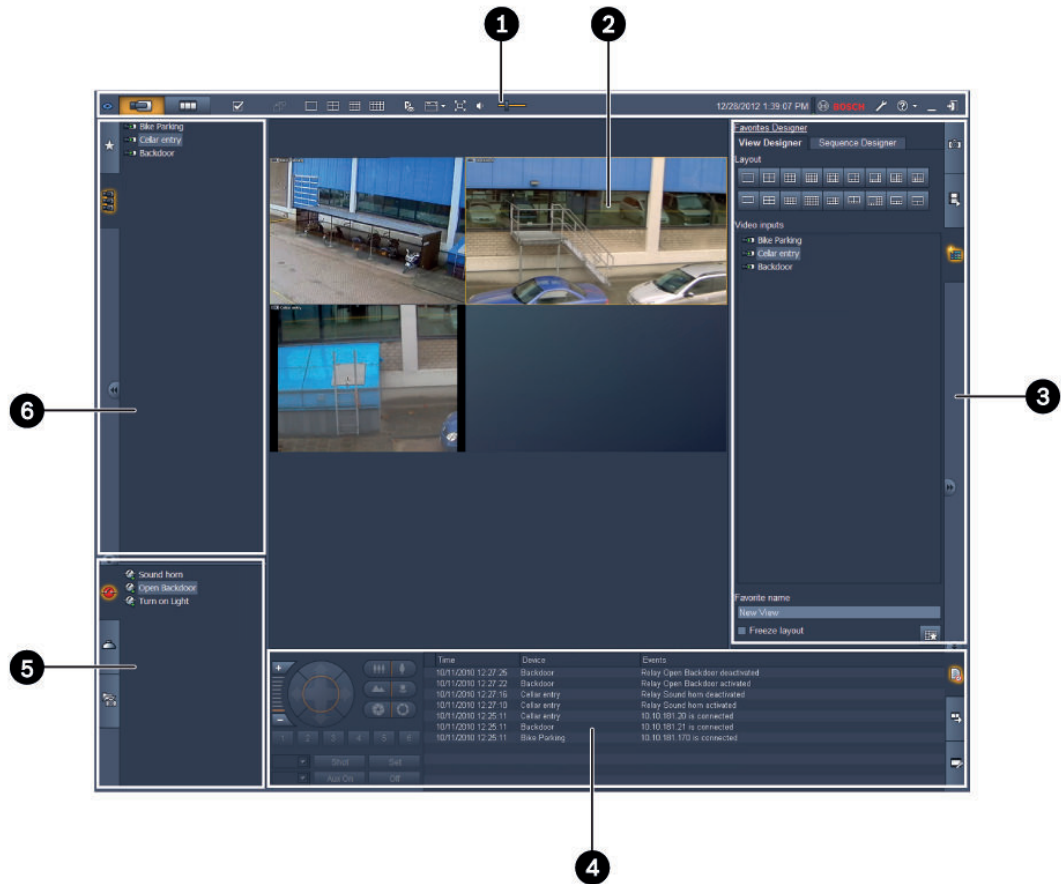


Figure 3.2: Basic live window

1	Toolbar	Contains icons for various functions (see below).
2	Video display area	Displays the video cameos. Can be dragged to second monitor, if installed.
3	Task panel	Click the tabs to open or close task panes for favorites designer, image capture, instant playback, and monitor wall.
4	Operational panel	Click to open a pane containing the camera control console, and tabs for logbook, export jobs and image calibration.
5	Accessories panel	Click the tabs to open the Relays , Contacts or Snapshots panes.
6	System panel	Click the tabs to open the Favorite views or Video device list panes.

3.2 Toolbar icons

	View live video	Switches the Video Client window to the live view (yellow highlighting).
	Playback recorded video	Switches the Video Client window to the playback view (blue highlighting).
	User preferences	Displays a dialog box for setting user preferences.
	Display cameras in sequence	Starts a sequence of cameo views.
	Quick display modes	Contains icons to select a cameo layout.
	Open text viewer	Opens the text viewer pane (only available if a Divar 700-connected camera is allocated to the system).
	Select cameo decoration	Selects how the cameos are displayed: without additional information, or with additional information in a top bar or as overlay. Furthermore, you can overlay the cameo with the local device time and VCA data.
	Maximize video area (F10)	Maximizes the video display area.
	Mute audio	Mutes the audio.
	Change volume	Adjusts the audio volume.
	Start Configuration Manager	Opens the Configuration Manager application in a separate window.
	Show help index	Opens the help index.
	Minimize	Minimizes the Video Client window to the task bar.
	Log Off	Closes Video Client and returns to the log-on window.

The date and time, and the CPU usage bar are also displayed on the toolbar. Hover over the CPU usage bar to see the CPU usage as a percentage.

Double-click the toolbar to resize the application window.

3.2.1 Playback



Click  to open the playback window. Get a graphical timeline overview of all recordings, or search for recordings based on events and play them back.

3.2.2 Setting user preferences

These settings are saved for the user who is logged on and are applied each time this user logs on with the same computer.

1.  To change the user preferences for Video Client, click  to open a dialog box with tabs for various configuration settings.
2. Configure the settings as described below.
3. Click **OK** to save changes and close, or **Cancel** to close the window without change.

Settings tab

1. Place a check mark next to the alarms and errors items to be activated.
The computer beeps on the specified alarms or maximizes the application window.
2. Select a sequence dwell time between 5 and 60 seconds to determine how long a sequenced view remains displayed.
3. Check **Show device local time** to display a cameo overlay of the actual time set on a device.
4. Check **Kiosk Mode** to expand the Video Client window to full screen. It requires a restart for it to take effect and is only available to the administrator. When in kiosk mode a user cannot exit the application.
5. Select an instant playback time offset between 5 and 120 seconds.
6. If you have multiple monitors set up in Windows, check **Enable second monitor** to use one of these monitors as a second monitor. Select the monitor you wish to use in the box below.

Directories tab

1. Enter the locations that will be monitored for exported recordings.
2. Enter the locations that will be monitored for exported snapshots.
3. Enter the location for workstation recording.

Monitor Wall tab

1. Drag the available monitors to a position on the monitor wall graphic.
2. Alternatively, use the arrows to place or remove the monitors.

3.2.3 Sequencing views



The sequence icon  is enabled when a view with multiple cameos is selected or when multiple cameras or views are selected. You can design sets of sequencing views on the **View Designer** pane.

-  Select a view and click  to start sequencing the cameras within that view in a single cameo display.
-  Select multiple views and click  to start sequencing between the views and not within the views.

See also

- *Making a sequenced view, page 27*

3.2.4 Selecting quick display modes

To switch the display mode, click a cameo view icon to change the layout configuration of the video viewing area.

In the live window the following icons are available:

-  Single cameo
-  2x2 cameos
-  3x3 cameos
-  4x3 cameos

3.2.5 Opening text viewer pane

Click  to open the text viewer pane. Live text from a Divar 700-connected camera is displayed in the pane. Note that in the live window the icon to open the text viewer pane is only available if a Divar 700-connected camera is allocated to the system.

3.2.6 Configuring cameo window display

Click  and select the items you want displayed in the cameo window:

- No additional information
- A title overlay
- A title bar

Furthermore, you can select to show or hide the local device time and VCA data overlay.

3.2.7 Maximizing video area

Click  to maximize the video display area. Click the icon again on the auto-hide toolbar at the top of the screen to switch back to normal mode, or use **F10** to switch between modes.

3.2.8 Enabling audio

Click  to enable or disable audio output. When enabled, the audio of the selected cameo is heard, if available.

3.2.9 Controlling audio volume

Click  to adjust the audio volume.

3.2.10 Configuration

Click  to open the Configuration Manager application (administrator only).

3.2.11 Getting help

Click  to open the help index. Select a help topic.

3.2.12 Minimizing Video Client

Click  to minimize Video Client to the taskbar.

3.2.13

Log-off

Click  to close Video Client and return to the log-on window.

3.3

Favorite views and video device list panes

Two side tabs are located on the top left of the Video Client window:

-  Click  to open the **Favorite views** pane.
-  Click  to open the **Video device list** pane.

3.3.1

Favorite views pane

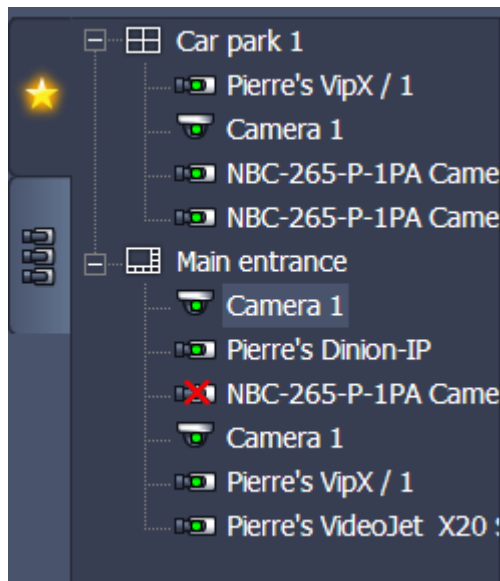


Figure 3.3: Favorite views pane

The **Favorite views** pane shows the various views and sequences that have been made in the **Favorites Designer** pane.

- Double-click a view to see it in the live video area or drag one or more views to the live video area.
- Click  to expand a view and see the devices and cameras assigned to it; click  to collapse the view.
- Right-click a view to open a context menu with the following commands:
 - **Sequence**
 - **Send to monitor** (main, second, or wall if set up)
 - **Save View**
 - **Delete**
 - **Rename**
 - **Properties**
- Right-click a device to open a context menu with the following commands:
 - **Connect**
 - **Disconnect**
 - **Sequence**
 - **Send to monitor** (main, second, or wall if set up)

- **Properties** (including name, type and IP address)

Note:

If the application was started from the command line with the `sites` parameter, then the **Favorite views** tab is replaced by the **Site Connector** tab.

See also

- *Command line start, page 49*

3.3.2

Video device list pane



Figure 3.4: Video device list pane

The **Video device list** pane shows all configured devices. These devices can be put into groups in Configuration Manager:

- Click  to expand a group and see the devices and cameras assigned to it; click  to collapse the group.
- To see a device in the live video area, double-click it or drag the device to a cameo.
- To see multiple devices in the live video area, select the devices and drag them to the live video area.
- Right-click a device to open a context menu with the following commands:
 - **Connect**
 - **Disconnect**
 - **Sequence**
 - **Send to monitor** (main, second, or wall if set up)
 - **Properties** (including name, type and IP address)

3.3.3

Device icons

Each device has an icon related to its type. To show the status of the device, the icon has an overlay, for example:



Body camera not connected



Body camera connected



Dome camera connected



Body camera with video loss



Body-camera is in alarm mode



Body-camera with motion detected



Body-camera with motion alarm

Note:

If configured accordingly, Divar-connected cameras show the alarm mode overlay  to indicate that the connection is interrupted:

- Analog cameras are physically disconnected.
- IP cameras are offline.

3.4 Relays, contacts and snapshots panes

Three side tabs are located on the bottom left of the application window:

-  Click  to open the **Relays** pane.
-  Click  to open the **Contacts** pane.
-  Click  to open the **Snapshots** pane.

3.4.1 Output relays

Connected relays are indicated by a green overlay dot. The icon shows the status of the relay:



A closed relay icon indicates an active output.



An open relay icon indicates an inactive output.

- Double-click a connected relay to toggle its state.
- Right-click a relay to view its properties or toggle its state via the context menu.

3.4.2 Input contacts

Connected input contacts are indicated by a green overlay dot. The icon shows the status of the input:



A red contact icon indicates an active input.



A grey contact icon indicates an inactive input.

- Right-click an input contact to view its properties via the context menu.

3.4.3 Snapshots

The pane lists the snapshots taken.

- Double-click a list entry to show the snapshot in a cameo.
- Right-click a list entry to view its properties via the context menu. Other menu options are:
 - **Rename image**
 - **Delete image**

3.5 Cameos

A cameo is a single image area within the video display area. There can be one or many cameos in this area.

- If you choose to make quick views, the display mode is selected with the display mode

icons  in the toolbar.

- If a favorite view is selected, the number and layout of the cameos has already been defined.

To assign a camera to a cameo:

- ▶ Drag a camera from the left side pane to a cameo position.
- ✓ The camera picture appears in the cameo.
- ✓ A yellow border appears around the cameo.
- ✓ The aspect ratio of the cameo column adapts to the aspect ratio of the camera.

To assign multiple cameras to cameos:

- ▶ Select multiple cameras and drag them from the left side pane to a cameo position.
- ✓ The first camera picture appears in this cameo.
- ✓ The following cameos are filled from left to right and top to bottom with the remaining selected cameras.
- ✓ The aspect ratio of the cameo column adapts to the aspect ratio of the camera.

To remove a camera from a cameo:

- ▶ Click the delete icon in the cameo header.

To enlarge a cameo:

1. Double-click the cameo or click the enlarge icon in the header.
The cameo fills the video display area.
2. To return a cameo to its original size, double-click it again or click the reduce icon in the cameo header.

Overlays generated by the camera itself can also be displayed, for example, camera names, alarm messages, times and dates.



The manual live recording icon appears when the pointer is placed over a cameo.

See also

- *Workstation recording, page 28*

3.5.1

Cameo context menu

Right-click in a cameo to display the context menu. Some commands may not be available depending on the source for the cameo display:

- **Select video input**
- **Enter digital zoom/Exit digital zoom**
- **Start workstation recording/Stop workstation recording**
- **Maximize video/Restore video size**
- **Stop display**
- **Reset counters**
- **Show alternate stream**
- **Capture image**
- **Open instant playback**
- **Properties**
- **Tracking**

If a monitor wall is configured, **Send to monitor** and **Send view to monitor** commands are also available.

3.6 Text view pane

The **Text view** pane displays metadata from a text source associated with a Divar 700-connected camera. The line number and date stamp are shown in front of the text. Note that in the live window the icon to open the text viewer pane is only available if a Divar 700-connected camera is allocated to the system.

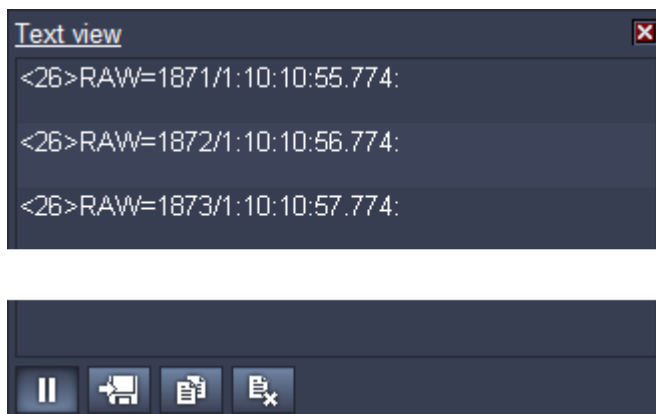


Figure 3.5: Text view pane

3.6.1 Exporting text

To export text from the text pane:

1. Click  to freeze the text in the text pane.
2. Click  to copy the text to the clipboard, or click  to save the text to a file.

3.6.2 Clearing and closing the text pane

1. To clear the text pane, click .
2. To close the text pane, click .

3.7 Status tabs

The status tabs display messages about discovered devices, video recording and export, and image calibration.

Time	Device	Events
12/14/2012 8:12:44 AM	Camera 1	10.10.171.144 is connected
12/14/2012 8:12:31 AM	PlaySTation_2	10.10.171.200 is connected
12/14/2012 8:08:11 AM	Test	10.10.171.231 is connected
12/14/2012 8:08:11 AM	10.10.171.245	10.10.171.245 is connected
12/14/2012 8:08:11 AM	VJX10-JN	10.10.171.243 is connected

Figure 3.6: Status area

3.7.1 Logbook

The **Logbook** pane lists status messages for device log-on actions and relay or input contact events.

►  To see the logbook, click .

Note:

To see status messages from VRM, install the patch delivered with Video Client on the respective VRM application.

3.7.2

Export job

The **Export job** pane shows the progress of manual video recording and video export jobs.

1.  To see the status of an export job, click .
2. To stop a manual video recording or a video export job, click .
3. To remove a stopped or completed entry from the list click  again.

3.7.3

Image calibration

The **Image calibration** pane shows information on the settings for brightness, sharpness, contrast, and the gamma correction value for the various color channels for the display of the video in the active cameo. It also allows you to adapt the values to your needs.

1. To see the status of the various values for the display of the video in the active cameo,

click .

2. To select the color channel for which you want to see the values, click the rectangle of the respective color. Click the tricolored rectangle to show the values for all channels.

To adapt the values for the display of the video in the active cameo to your needs:

1. Click  to decrease the brightness, or click  to increase the brightness of the display.
2. Click  to decrease the contrast, or click  to increase the contrast of the display.
3. Click  to decrease the gamma correction value, or click  to increase the gamma correction value for the display.
4. Click  to decrease the sharpness, or click  to increase the sharpness of the display.
5. Click to **Set as Default** to save the settings for the display.

As soon as you change one of the values, the  icon is displayed in the cameo to indicate that the image calibration settings differ from the factory default settings.

6. Click **Reset** to set the values back to the factory default settings.

4 Viewing live images

There are two ways of showing live images in the video area:

- Select a pre-defined view in the **Favorite views** pane to provide persistent video area layouts.
- Drag cameras from the device tree into the quick (scratch) viewing layouts.

Regardless of which way you choose, overlays in the video images provide additional information.

Note:

It is recommended that you take the time to set up a collection of favorite views.

See also

- *Setting up favorites, page 26*

4.1 Selecting favorite views

To select a pre-defined view:

1.  Click  to open the **Favorite views** pane.
The list of pre-defined favorite views appears including sequencing views.
2. Double-click a view name to display the pre-defined layout in the live video area. You can also drag the view to the live video area.
A yellow border appears around the first cameo.
3. To change to a different view, double-click another view name in the favorites pane. You can also drag the new view to the live video area.

4.2 Making quick views

To make a quick view:

1. Click one of the display mode icons in the toolbar to define the layout configuration of the video display area, for example the **3x3 camera display** icon.
In the video display area, three rows with 3 cameos respectively are shown.
2.  Click  to open the **Video device list** pane.
3. To populate a specific cameo, drag a camera from the device list to that cameo, or double-click a camera to assign it to the next available cameo.
The camera picture appears in the cameo.
A yellow border appears around the cameo.
4.  In the toolbar, click  and select **Title bar decoration**.
Each cameo has a title bar which you can drag and drop to reorder the cameo positions.
Within a session, a quick display layout retains its assignments unless overruled by a pre-defined favorite view.

4.3 Video image overlays

Various overlays in the video image provide important status information. The overlays provide the following information:



Decoding error

The frame might show artefacts due to decoding errors. If other frames reference this frame, they might also show decoding errors but won't be marked with the icon.

**Alarm flag**

Shown on a media item to indicate an alarm.

**Communication error**

A communication error, such as a connection failure to the storage medium, a protocol violation or a timeout, is indicated by this icon. An automatic reconnection procedure is started in the background to recover from this error.

**Gap**

Indicates a gap in the recorded video.

**Watermark flag**

Watermark is set on media item.

**Invalid watermark flag**

Indicates that the watermark is not valid.

**Motion flag**

Indicates that motion is detected.

**Storage discovery**

Indicates that recorded video is being retrieved.

5 Setting up favorites

On the **Favorites Designer** pane you find two tabs:

- The **View Designer** helps you to set up and save favorite views.
- The **Sequence Designer** helps you to define and save favorite sequences.

5.1 Making a view

Use the **View Designer** to make your favourite collections of views. A view is a collection of camera-to-cameo assignments that can be recalled for instant live viewing. Camera views can be grouped in a logical way; for example, all cameras showing an entrance to a building.

To make a favorite view in the live window:

- ▶ Click the **Favorites Designer** icon .
The **View Designer** pane opens.

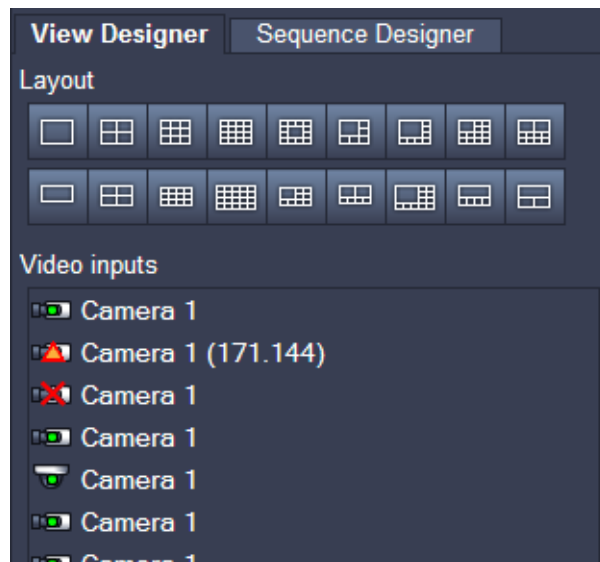
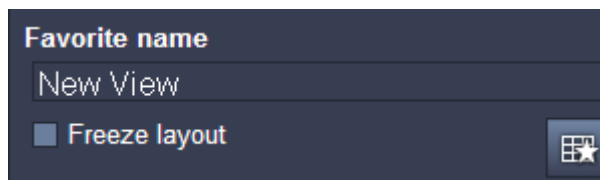


Figure 5.1: Live video window - designing views

1. Click a layout icon in the **View Designer** pane to select it.
The layout appears in the live video area.
If you continue to click a particular layout icon, its orientation changes.
2. Drag cameras from the **Video inputs** list to the cameos.
3. Enter a name for the new view.



4. Check the **Freeze layout** box so the aspect ratios do not change on re-assignment.
5. Click .
 - ✓ The view is stored in the **Favorite views** pane.
 - ✓ You can drag relays and contacts to a view in the **Favorite views** pane to create system overviews.

5.2 Making a sequenced view

Use the **Sequence Designer** tab to make your favorite collections of sequenced views. A sequenced view is a collection of views and devices that can be recalled for instant sequenced live viewing. Camera views made with the **View Designer** tab and separate devices can be selected to create an ordered sequence.

To make a sequenced view in the live window:

1.

Click the **Favorites Designer** icon .

The **View Designer** pane opens.

2. Click the **Sequence Designer** tab.



3.

Select a view or a device and click  to add it to the **Sequence list** field. Continue doing this until your list is complete.

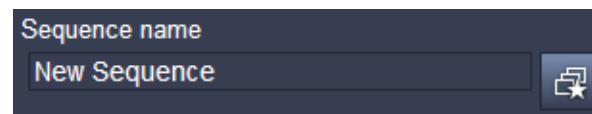
4.

To remove an item from the sequence list, select it and click .

5.

To re-order the sequence list, click the move up  and move down  icons.

6. Enter a name for the new sequenced view.



7.

Click .

✓ The view is stored in the **Favorite views** pane.

You can easily change sequenced views any time or use them as starting point for a new sequenced view by importing them into the **Sequence Designer** pane.

To rework sequenced views:

1.

To import a saved sequence list, click .
The **Select Sequence** window appears.

2. From the list, select the sequenced view you want to import.

3. Click **OK**.

✓ The components of the selected sequence are listed in the **Sequence list** field and can be rearranged as desired.

6 Workstation recording

Record a live video clip to your computer's hard disk. A recording is limited to ten minutes and only two manual recordings can be active at the same time. Date and time overlays are not recorded.

To do workstation recording:

1. Place the pointer over a cameo with the camera which you would like to record to the workstation.
2. Click the **Start workstation recording** icon  that appears.
The export job pane is shown.
3. To stop workstation recording, either click  in the cameo or click  in the export job pane.

7 Saving snapshots

Capture still images from a camera and save them to the PC hard disk in a bitmap format.

To save a snapshot to the PC hard disk:

1. Click a cameo to make it active.
2.  Click the image capture tab . The image capture pane opens with the still image displayed.
3. To change the default location, click the drop-down arrow to select a different path on your PC.
4. To change the file name, type the new name for the file.
5. To change the image format, click the drop-down arrow and select the image type.
6.  Click  to save the image. Saved images are listed in the **Snapshots** pane in the lower left part of the window.
7.  Click  to capture a new still image from the currently active cameo. The snapshot video image has the same resolution as the camera image. Identification information is shown under the image.
8.  To close the image capture pane, click the image capture tab .

8 Instant playback

Use instant playback to view the previous 5 to 120 seconds of recorded video for a particular camera. The camera must, of course, have recording facilities.

The offset time (5 to 120 seconds) is set in the user preferences.

To view the recorded video of a particular camera from 5 to 120 seconds earlier:

1. Click a cameo to make it active.

2. Click the **Instant playback** tab .

You can also right-click in the cameo and select **Open instant playback** in the context menu.

The instant playback pane appears.

3. Click  to start playback.

4. Click  to pause playback.

5. Click  to restart playback of the currently selected cameo 5 to 120 seconds before the current time.

A timeline scale is shown with a recording indicator bar below it. A grey box indicates a recording.

To control playback:

1. When paused, click  to move back one frame; click  to move forward one frame.
2. Drag the timeline scale to move it in time.
3. Right-click the timeline indicator bar to center the timeline on the hairline that indicates the playback position.
If available, you can also hide or show search results.
4. Drag the hairline to move playback to a point within a recording.
5. Enter the date and time in the time box to move the hairline to that point of the timeline.

To close the playback pane:

- ▶ Click the **Instant playback** tab .

9 Monitor wall

The monitor wall is first set-up in the **User preferences** dialog box by dragging available monitors to a position in the wall.



Figure 9.1: User preferences - monitor wall set-up

When a wall has been set up, the monitor wall icon is shown in the task pane.

See also

- *Setting user preferences, page 35*

To populate the wall with cameras and views:

►



Click the **Monitor Wall** icon.

The **Monitor Wall** pane opens.

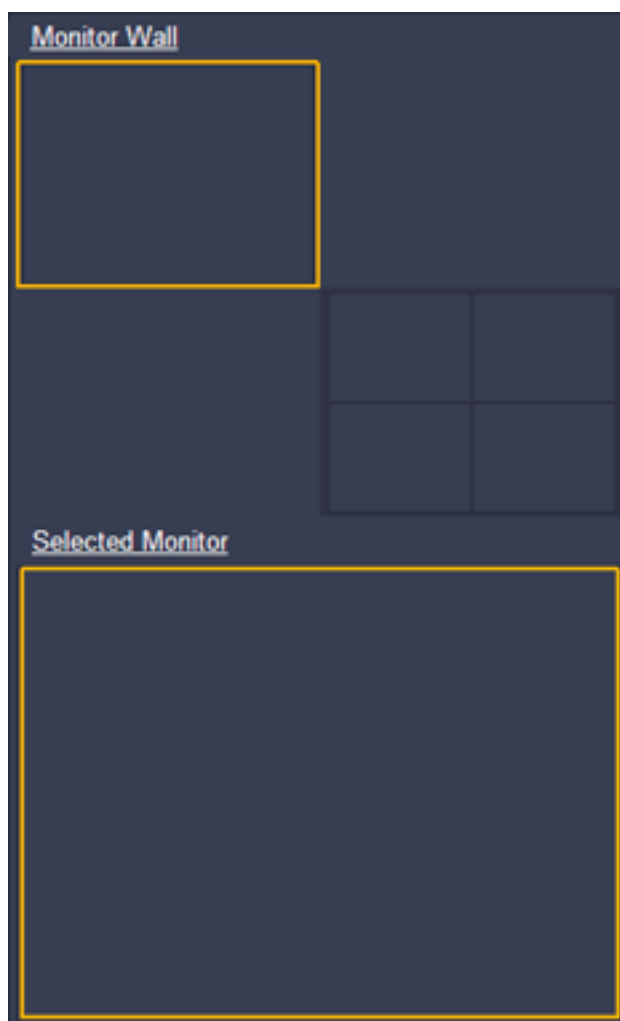


Figure 9.2: Live video window - Monitor Wall pane

1. Click a monitor in the top section of the **Monitor Wall** pane to select it.
2. Click a view on the selected monitor to select it.
3. Drag cameras from the cameos to the selected view.
Alternatively, use the context menu of the cameras to assign a camera or a view to a monitor.

10 Controlling cameras

10.1 Digital zoom

To zoom in and out digitally on any type of camera:

1. Click the cameo of the camera to make it active.
2. With the pointer in the cameo, scroll the mouse wheel forward to zoom in.

Alternatively, click the  button on the control console to activate digital zoom.



A light grey box appears in the top left corner of the cameo.

When you zoom in, the light grey box appears within a dark grey box; this is the zoom area in relation to the full picture.

3. Use the mouse scroll wheel to zoom in and out, or use the  and  buttons. If you zoom out completely, the digital zoom function switches off.

To move the zoomed area:

1. Move the pointer to the picture area.
The pointer changes to a direction arrow.
2. Click, or click and drag within the cameo.
Alternatively use the arrows in the control console.
The zoomed area moves in the direction of the arrow.
A light grey overlay box within a dark grey box indicates the zoomed area.

Note:

Digital zoom can also be used with snapshots and archived video files.

10.2 PTZ cameras

You can control controllable (PTZ) cameras by using the mouse on the cameo of the camera or by using the control console icons.

10.2.1 Mouse control

Use the mouse to do in-window pan, tilt, and zoom:

Make sure to have a controllable (PTZ) camera in use.

1. Click the cameo of the camera to make it active.
2. Place the pointer on the active cameo (not in the center).
The pointer arrow indicates the direction in which the camera will move.
3. Click and hold the left mouse button.
Alternatively, drag the pointer in the desired direction to move the camera. Move the pointer horizontally to pan the camera and vertically to tilt the camera.
The camera moves in the direction indicated.
Pan and tilt speed depends on the position of the pointer on the cameo. Click closer to the edge of the cameo to increase the speed; click closer to the center to decrease the speed.
4. Release the button when the camera is positioned.

5. Use the mouse scroll wheel to zoom in or out.

10.2.2

Control console

Pan and tilt

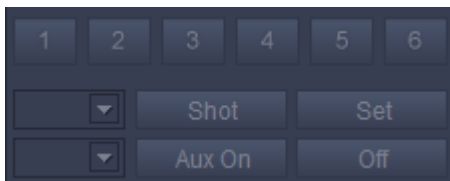


1. Select the cameo of the camera to be controlled.
2. Click and hold the up and down arrows for tilt.
3. Click and hold the left and right arrows to pan.
4. Release the mouse button to stop camera movement controls.

Zoom, focus, and iris

1. Select the cameo of the camera to be controlled.
2. Click and hold the left zoom button  to zoom out; click and hold the right zoom button  to zoom in.
3. Click and hold the left focus button  for far focus; click and hold the right focus button  for near focus.
4. Click and hold the left iris button  to close the iris; click and hold the right iris button  to open the iris.
5. Release the mouse button to stop camera adjustment controls.

To move the active camera to a pre-position:



1. Click buttons one to six for immediate positioning to one of the first six pre-positions.
2. Alternatively, enter a pre-position number using the keyboard.
3. Click **Shot** (or press **ENTER**).

To store the current position of the camera in a pre-position:

1. Position the camera.
2. Enter a pre-position number.
3. Click **Set**.

Aux functions

Aux commands are special commands for controlling cameras.

1. To switch on the Aux command, enter an Aux number.
2. Click **Aux On** (or press **ENTER**).
3. To switch off the Aux command, click **Off**.

11 Playback window

In the playback window you can:

- select a single or a quad display mode
- assign cameras to playback cameos to view recorded video
- search for recordings
- control playback
- export recorded video clips to your PC
- take a snapshot of the active playback cameo
- view stored snapshots and video clips

Note:



If you are in the live mode, click to switch to the playback window.

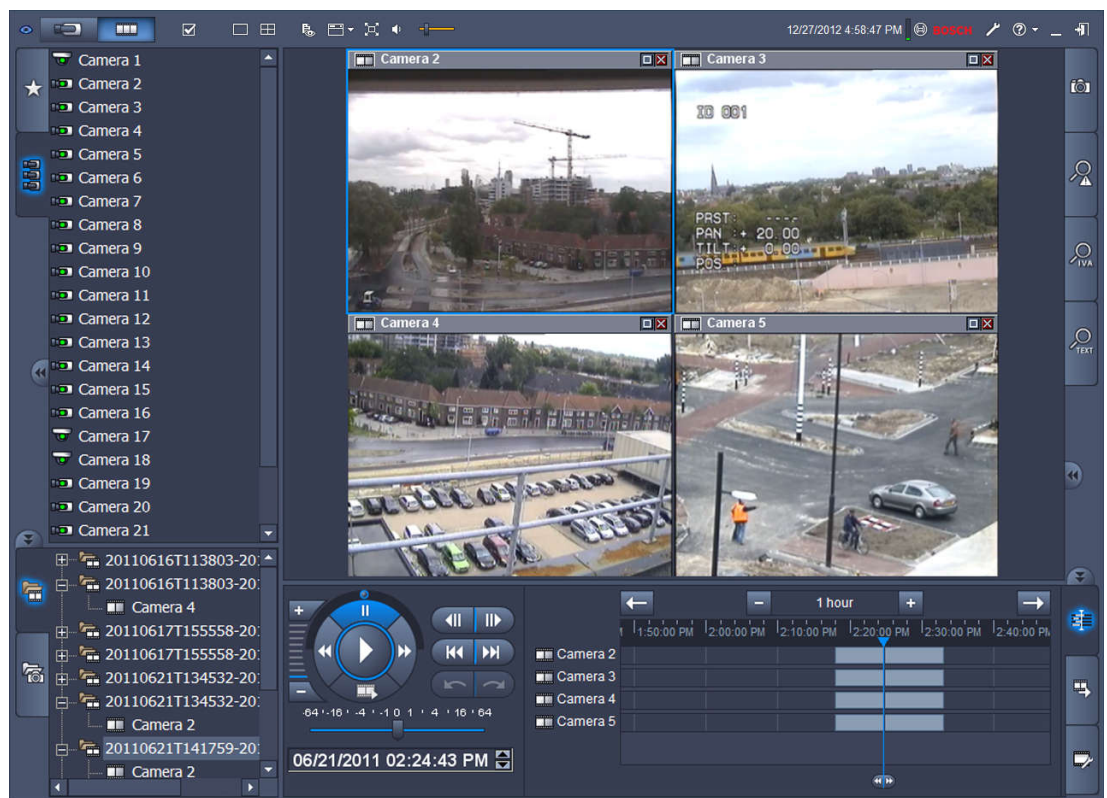


Figure 11.1: Typical playback window

Note:

You cannot assign a favorite view to the playback window.

11.1 Playback toolbar

The toolbar is shown at the top of the playback window.

11.1.1 Setting user preferences

These settings are saved for the user who is logged on and are applied each time this user logs on with the same computer.

1.  To change the user preferences for Video Client, click  to open a dialog box with tabs for various configuration settings.
2. Configure the settings as described below.
3. Click **OK** to save changes and close, or **Cancel** to close the window without change.

Settings tab

1. Place a check mark next to the alarms and errors items to be activated.
The computer beeps on the specified alarms or maximizes the application window.
2. Select a sequence dwell time between 5 and 60 seconds to determine how long a sequenced view remains displayed.
3. Check **Show device local time** to display a cameo overlay of the actual time set on a device.
4. Check **Kiosk Mode** to expand the Video Client window to full screen. It requires a restart for it to take effect and is only available to the administrator. When in kiosk mode a user cannot exit the application.
5. Select an instant playback time offset between 5 and 120 seconds.
6. If you have multiple monitors set up in Windows, check **Enable second monitor** to use one of these monitors as a second monitor. Select the monitor you wish to use in the box below.

Directories tab

1. Enter the locations that will be monitored for exported recordings.
2. Enter the locations that will be monitored for exported snapshots.
3. Enter the location for workstation recording.

Monitor Wall tab

1. Drag the available monitors to a position on the monitor wall graphic.
2. Alternatively, use the arrows to place or remove the monitors.

11.1.2

Selecting quick display modes

To switch the display mode, click a cameo view icon to change the layout configuration of the video viewing area:

In the playback window the following icons are available:

-  Single cameo
-  2x2 cameos

11.1.3

Opening text viewer pane

Click  to open the text viewer pane. Text associated with a Divar 700-connected camera recording is displayed in the pane.

11.1.4

Configuring cameo window display

Click  and select the items you want displayed in the cameo window:

- No additional information
- A title overlay
- A title bar

Furthermore, you can select to show or hide the local device time and VCA data overlay.

11.1.5 Maximizing video area

Click  to maximize the video display area. Click the icon again on the auto-hide toolbar at the top of the screen to switch back to normal mode, or use **F10** to switch between modes.

11.1.6 Enabling audio

Click  to enable or disable recorded audio. When enabled, the audio of the selected cameo is heard, if available.

11.1.7 Controlling audio volume

Click  to adjust the audio volume.

11.1.8 Configuration

Click  to open the Configuration Manager application (administrator only).

11.1.9 Getting help

Click  to open the help index. Select a help topic.

11.1.10 Minimizing Video Client

Click  to minimize Video Client to the taskbar.

11.2 Selecting camera recordings

Video recordings created by cameras that have on-board storage (a memory card), or direct iSCSI or VRM storage, or DVR storage can be viewed.

Expand a camera to see if it has more than one track and then select the track you wish to view. VRM recordings can also have backups that can be selected for viewing.

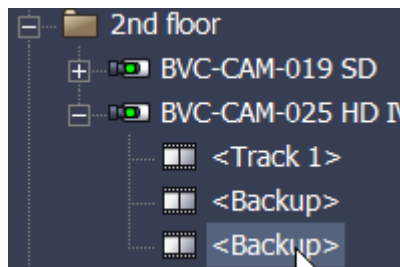


Figure 11.2: VRM backup

To view a camera recording, assign the camera to a cameo:

- ▶ Drag one or multiple cameras from the left side pane to a cameo.
- ✓ The recorded camera picture appears in the cameo.
- ✓ A blue border appears around the cameo.
- ✓ The aspect ratio of the cameo column adapts to the aspect ratio of the camera.

To enlarge a cameo in a 2x2 display:

1. Double-click the cameo.
The cameo fills the video display area.
2. Double-click the cameo again to return it to its original size.

11.3 Timeline



Click the **Timeline** tab to view the timeline.

A timeline with the recordings of the displayed cameras is shown with all camera tracks synchronized to the same playback time.

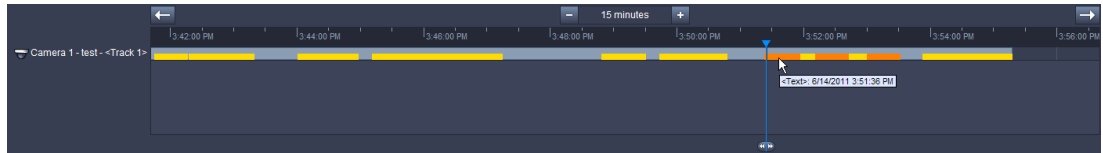


Figure 11.3: Timeline

The timeline shows the recorded sequence in light blue, motion recording in yellow, contact recording in red and text recording in orange.

To change the timeline scale:

1. Click the  or  box to adjust the timeline scale.
Alternatively, place the pointer on the timeline scale and rotate the mouse wheel to change the timeline scale.
The timeline shows the interval indicated between the two boxes, for example three minutes or one week.
2. To show the full timeline for the entire recording, click until **All** is displayed between the boxes.
3. To zoom in on a smaller section of the timeline, select a shorter time period.

To navigate in the timeline:

1. Use the arrows above the timeline or drag the timeline scale to move back and forward in time.
2. Click somewhere in the timeline.
Alternatively, enter the required values in the date and time field.
The hairline jumps to this time. The images of this point in time are displayed in the video display area.
3. Use the timeline controls for the required playing option.

See also

- *Playback controls, page 40*

To select a time period:

You can select a time period in the timeline using the hairline. You can use this selection for further tasks such as exporting video data.

1. Drag the bottom arrow handles of the hairline to select a time period.
Drag the left or right edge of the selection to change the size of the selection.
Drag the bottom of this selection to move the selection.
2. Right-click the selection and click **Clear selection** to remove the selection and display the single hairline again.

To check the authenticity of an export video clip selection:

- ▶ Select a time period in the timeline, right-click this selection and click **Authenticate**.
The authenticity is checked and an appropriate message box opens.

To export a selection:

1. Select a time period in the timeline, right-click this selection and click **Export**.

The **Export** dialog box opens.

2. Make the appropriate settings.

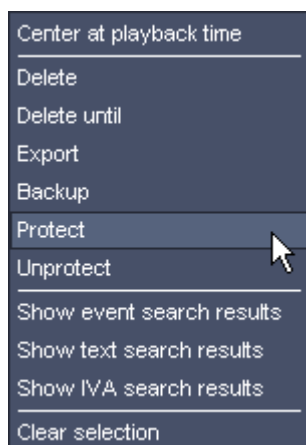
See also

- *Exporting recorded video clips to a PC hard disk, page 41*

11.3.1

Context commands

The commands available in the context menu depend on what you have selected on the timeline. For example, the context menu for a VRM recorder camera is as follows:



Note:

When you click a context menu command that is not available for all cameras in the timeline, the command is executed only on the cameras that have this option available.

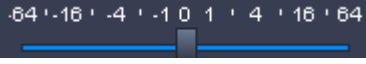
Center at playback time	Moves the timeline to center the current playback time.
Authenticate	Checks the authenticity of the selection.
Delete	Deletes the selection (recorders only).
Delete until	Deletes all recorded video associated with the tracks up to the end time of the selection (recorders only).
Export	Exports the selection.
Backup	Makes a backup of the selection (VRM only).
Protect	Protects the selection (VRM only).
Unprotect	Unprotects the selection (VRM only).
Show event search results	Displays results of the event search. Other search results cannot be displayed at the same time.
Show text search results	Displays results of the text search. Other search results cannot be displayed at the same time (recorders only).
Show IVA search results	Displays results of the IVA search. Other search results cannot be displayed at the same time.
Clear selection	Removes the selection.

11.4 Playback controls



Figure 11.4: Playback controls

Playback

1. Click  to play forward recorded video in the playback window.
2. Playback speed and direction can be selected in three different ways:
 - with the jog dial
 - with the forward  and reverse  buttons
 - with the forward and reverse speed slider 
3. Click  to freeze the image.

Step forward / Step backward

The step buttons  are only enabled when  was clicked.

1. Click a step button to move the image back or forward one frame.
2. When you press and hold the mouse button, every 0.5 seconds a next frame is displayed.

Earliest / Latest recording

- ▶ Click the earliest or latest recording button  to move to the earliest or latest recording.

Jump to event

The last executed search (for example event or IVA) is used. Only the search results for this camera are used.

- ▶ Click the previous or next event button  to move to the previous or next event.

- ✓ If no search was performed, nothing happens.
- ✓ If the current playback time is after the last search result, nothing happens when jumping to the next event.
- ✓ If the current playback time is before the first search result, nothing happens when jumping to the previous event.

The date and time are shown under the playback controls.

1. Click one of the values to activate it, for example the day or the seconds.
The background color for the activated value changes.

2.  Click the up or down button  to count up or down the activated value by one. Alternatively, type the desired value.
- ✓ If a recording is available for the entered value, the hairline jumps to this time. The images of this point in time are displayed in the video display area.
- ✓ If no recording is available for the entered value, nothing happens.

11.5 Exporting recorded video clips to a PC hard disk

To store recordings from a selected period on a PC hard disk:

1. Drag one or multiple cameras from the left side pane to a cameo.
2. Click the **Export** button  on the playback controls.
The export window appears listing all assigned cameras by default. If the same camera is assigned multiple times in your displayed view, only one entry for this camera is listed.
3. To change the default location, browse to the location in the PC file system where the archive file is to be stored.
4. Type a new name for the file to change the file name.
5. Decide if you want to add the location to the directory list.
6. Enter new values in the **From** and **To** boxes to change the selection start and end date/time.
7. Select which cameras to archive in the confirmation window that appears.
8. Under **Export format** decide for the format of the exported file.
The approximate size of the archive file is shown. Ensure that there is sufficient space to store this file.
9. Click **Export** to start saving the archive file.

The export is added to the export status list on the **Export job** pane  and a progress bar is shown there. The export job runs in the background, so you can continue using Video Client for live viewing, playback, search or other export tasks.

Note:

A log of all exports can be found at the following locations:

- Windows XP: C:\Documents and Settings\All Users\Application Data\Bosch\Video Client
- Windows 7/Windows Vista: C:\Program Data\Bosch\Video Client

11.6 Taking snapshots

Use the **Image capture** tab  to take a snapshot of a recorded image.

See also

- *Saving snapshots, page 29*

11.7 Search tabs

The playback window has two search tabs on the right:

- The **Event search** tab allows a search for recordings based on alarm and motion events.
- The **IVA search** tab allows a search for recordings based on intelligent motion analysis.

A third search tab is available for Divar 700-connected cameras:

- The **Text search** tab allows a search for recordings based on text.

See also

- *Searching for events, page 44*
- *IVA search, page 46*

– Searching for text, page 47

11.8 Playing stored files

Exported video files and exported snapshots that are stored on your PC are played back in the playback window.

11.8.1 Exported video clips

To play back exported video clips:

1.  Click  to open the exported video clip pane.
A list of exported files is displayed.
2. To see the tracks stored in a file, click .
3. To display a file or a track, double-click it or drag it to a cameo.
The video is assigned to a cameo and the timeline of this recording is displayed.
4.  Click  to start playback.

Note:

Files exported in ASF format will not play within Video Client. ASF files can be played using standard Windows media players.

Context commands

Right-click a file or a track to open the context menu:

File context menu	
Rename export	Marks the filename of the selected export to change it.
Delete export	Deletes the selected export directly without a further warning.
Properties	Displays the File set properties dialog box with information on the export file.
Track context menu	
Authenticate	The authenticity is checked and an appropriate message box opens.
Properties	Displays the Track properties dialog box with information on the export file.

11.8.2 Archived snapshots

To play back exported snapshots:

1.  Click  to open the exported snapshots pane.
A list of exported files is displayed.
2. To display a snapshot, double-click it or drag it to a cameo.

Context commands

Right-click a file to open the context menu:

File context menu	
Rename image	Marks the filename of the selected image to change it.
Delete image	Deletes the selected image directly without a further warning.
Properties	Displays the Capture file properties dialog box with information on the image file.

11.9

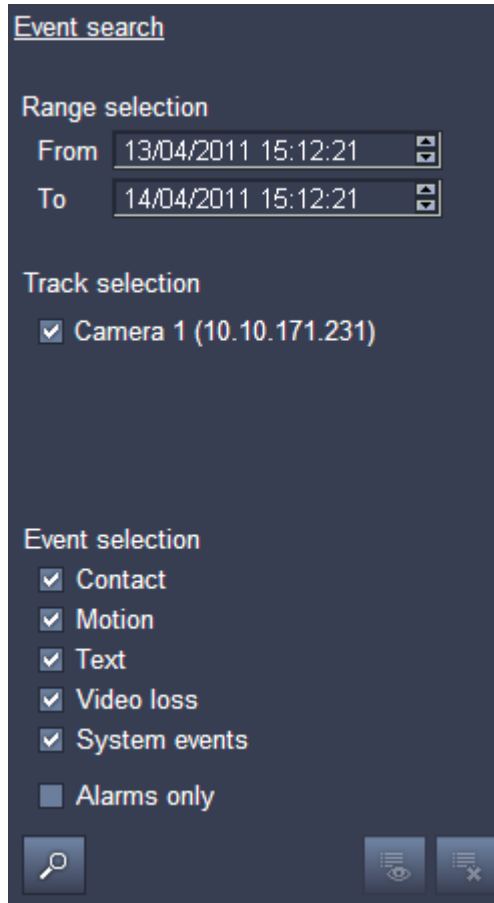
Camera SD card

You can access recording files on an SD card that has been removed from a camera.

1. Ensure that Video Client is open on your computer.
2. Insert the SD card into the card reader of your computer.
A list of files suitable for playback is displayed.

12 Searching for events

Click the **Event search** tab  of the playback window to set up a search filter for events.



Event search

Range selection

From 13/04/2011 15:12:21

To 14/04/2011 15:12:21

Track selection

☒ Camera 1 (10.10.171.231)

Event selection

☒ Contact

☒ Motion

☒ Text

☒ Video loss

☒ System events

☐ Alarms only



Figure 12.1: Playback window - Event search pane

To set the search period:

- ▶ Enter the date and time in the **From** and **To** boxes to define the period to search:
The **From** box shows the time and date of the earliest (oldest) recording and the **To** box the latest (newest) recording by default.

To select a track:

- ▶ Check a camera selection box to mark those cameras to be included in the search. Only the assigned cameras are listed here. If a camera is assigned multiple times in your displayed view, only one entry for this camera is listed.

To specify the type of event to search for:

- ▶ Check an event type selection box to mark those events to be included in the search.
- **Contact:** recorded video for contact events for the selected tracks is searched for within the defined period.
- **Motion:** recorded video for motion events for the selected tracks is searched for within the defined period.
- **Text:** recorded video for text events for the selected tracks is searched for within the defined period.
- **Video loss:** recorded video for video loss events for the selected tracks is searched for within the defined period.

- **System events:** recorded video for system events for the selected tracks is searched for within the defined period.
- **Alarms only:** the search is restricted to alarm events only.

To start the search:

Click to start the search.

Search results

When the search is completed, a list of video clips that match the filter criteria is displayed. This list shows the latest event recordings at the top, the earliest at the bottom.

1. Click on a column header to sort the list according to that column item. Click a second time to sort the list in reverse order.
2. Use the scroll bar to examine the full list.
3. Click on an entry in the list to select it.
The selected event is displayed in the playback window.
4. Use the playback controls to adjust playback speed and direction.

5. Click  to close the list.

6.  Click to reopen the list.

7.  Click to clear the list.

See also

- *Playback controls, page 40*

13 IVA search

Click the **IVA search** tab  of the playback window to set up an IVA search.



Figure 13.1: Playback window - IVA search pane

To select a time period for IVA search, select it in the timeline using the hairline.

Algorithm selection

1. In the drop-down box, select an IVA algorithm to be used in the search.
A window opens with the parameters of the IVA algorithm.
2. Change the desired parameters.
3. In the drop-down box, select a preset.
4. Click  to save your choices.
5. Click  to return to the saved choices for a preset.

Note:

Refer to the documentation supplied with the IVA application for more details on setting up algorithms and presets.

To start the search:

- ▶ Click  to start the search.

Search results

When the search is completed, a list of video clips that match the filter criteria is displayed. This list shows the latest event recordings at the top, the earliest at the bottom.

1. Click on a column header to sort the list according to that column item. Click a second time to sort the list in reverse order.
2. Use the scroll bar to examine the full list.
3. Click on an entry in the list to select it.
The selected event is displayed in the playback window.
4. Use the playback controls to adjust playback speed and direction.
5. Click  to close the list.
6. Click  to reopen the list.
7. Click  to clear the list.

See also

- *Playback controls, page 40*

14 Searching for text

Text search is only supported on Divar 700-connected cameras with an appropriate license installed.



Click the **Text search** tab of the playback window to set up a search filter for text.

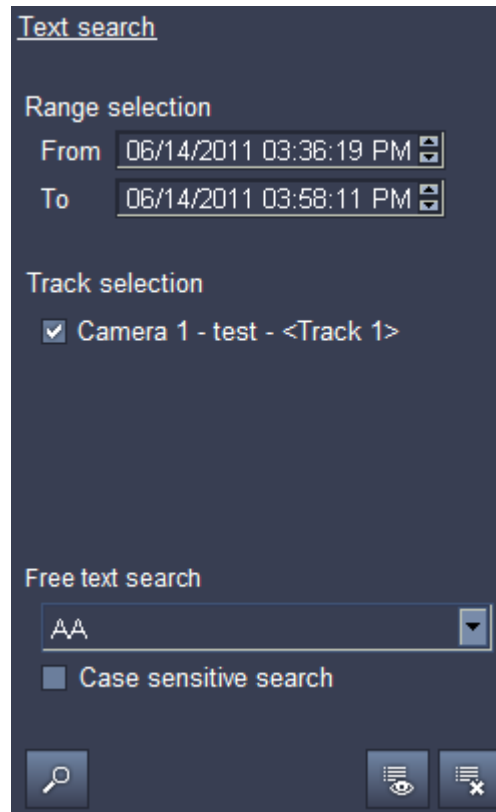


Figure 14.1: Playback window - Text search pane

To set the search period:

- ▶ Enter the date and time in the **From** and **To** boxes to define the period to search:
The **From** box shows the time and date of the earliest (oldest) recording and the **To** box the latest (newest) recording by default.

To select a track:

- ▶ Check a camera selection box to mark those cameras to be included in the search. Only the assigned cameras are listed here. If a camera is assigned multiple times in your displayed view, only one entry for this camera is listed.

Text filter

1. Type the text you wish to search for.
2. Check the **Case sensitive search** box to exactly match the case of the typed text to the text you are searching for.

To start the search:

- ▶ Click  to start the search.

Search results

When the search is completed, a list of video clips that match the filter criteria is displayed. This list shows the latest event recordings at the top, the earliest at the bottom.

1. Click on a column header to sort the list according to that column item. Click a second time to sort the list in reverse order.
2. Use the scroll bar to examine the full list.
3. Click on an entry in the list to select it.
The selected event is displayed in the playback window.
4. Use the playback controls to adjust playback speed and direction.

5. Click  to close the list.

6. Click  to reopen the list.

7. Click  to clear the list.

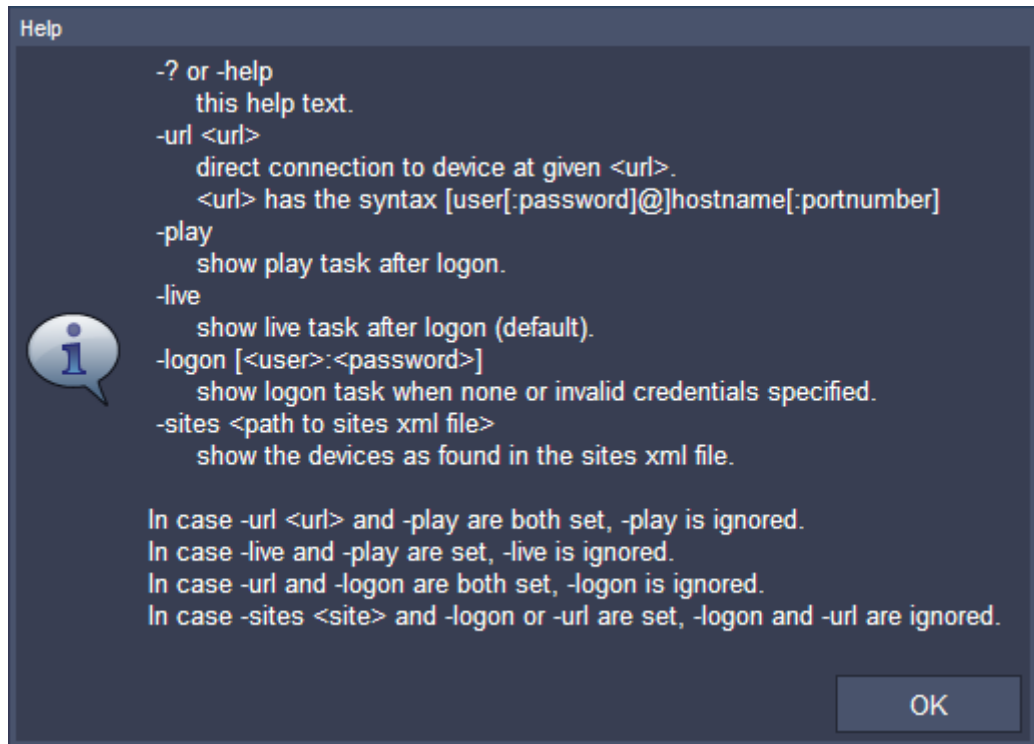
See also

- *Playback controls, page 40*

15 Command line start

The program can also be started from the command line with additional parameters.

For example, the command `C:\Program Files\Bosch\Video Client\videoclient.exe -?` opens a help window with more information about the parameters that can be used.



Sites parameter

If you use the *sites* parameter, you must specify the path to an xml file which describes the devices at the different sites. For example, the command:

`C:\Program Files\Bosch\Video Client\videoclient.exe -sites D:\sites_file.xml`

XML file structure

The xml file has a simple structure as is shown in the following example:

```

    <?xml version="1.0" encoding="utf-8" ?>
- <sites>
    <showFilter>True</showFilter>
- <site>
    - <devices>
        <device>10.10.183.118</device>
        <device>10.10.183.119</device>
        <device>10.10.183.120</device>
        <device>10.10.183.121</device>
        <device>10.10.183.122</device>
        <device>10.10.183.123</device>
    </devices>
    <description>Company Head Quarters</description>
</site>
- <site>
    - <devices>
        <device>10.10.183.118</device>
    </devices>
    <description>Company European sales office</description>
</site>
+ <site>
+ <site>
+ <site>
+ <site>
+ <site>
+ <site>
+ <site>
+ <site>
</sites>

```

A sample editable xml file can be found on the Bosch web site.

Site connector pane

The **Site Connector** pane shows the devices that have been listed in the start-up xml file.

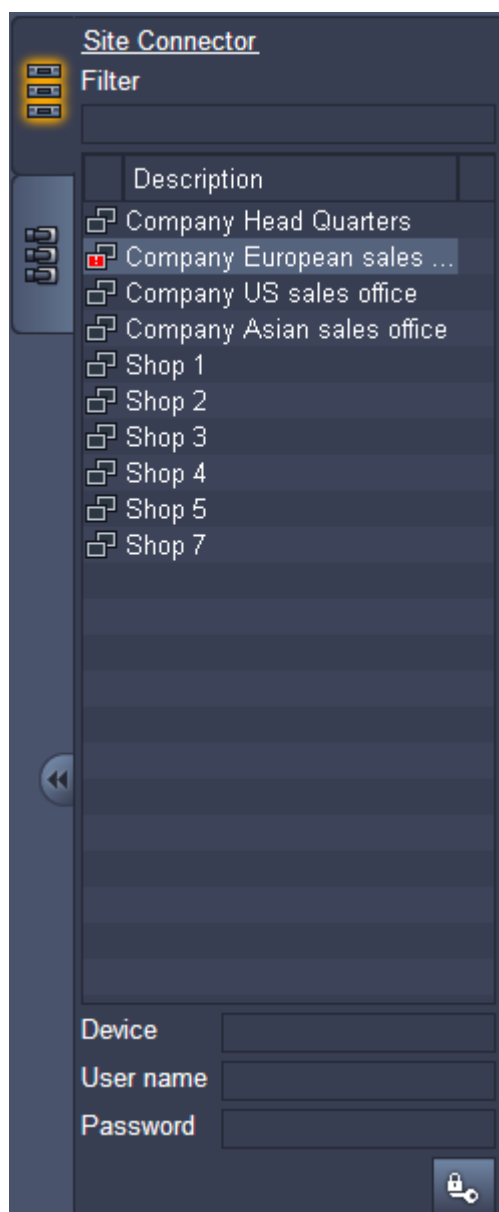


Figure 15.1: Site connector pane

To log on to a device:

1. If required, enter text in the filter area to reduce the number of sites listed.
2. Select a device and enter its user name and password.
- 3.

Click  to log on to the device and obtain the list of cameras connected to it.

16 Using keyboards

Many functions of Video Client can be controlled by shortcut keys on a standard computer keyboard. You can also use a Bosch IntuiKey keyboard to control a pre-defined set of functions.

16.1 Standard keyboard shortcut keys

The following table lists the functions that can be controlled by shortcut keys on a standard computer keyboard.

Action	Key
Switch mode (Live <--> Playback)	F2
Show favorite views tab	CTRL+F
Show device list tab	CTRL+D
Show relays tab	CTRL+R
Show contacts tab	CTRL+C
Show snapshots tab	CTRL+S
Show capture image task	ALT+C
Show Instant Playback task	ALT+P
Show view designer pane	ALT+V
Show monitor wall task	ALT+M
Show logbook	CTRL+L
Show jobs	CTRL+J
Go to play control area	CTRL+P
Go to viewer	CTRL+V
Set single view	CTRL+1
Set quad view	CTRL+2
Set 3x3 view	CTRL+3
Set 4x3 view	CTRL+4
Show text view	F9
Show preferences	F5
Set no cameo decorations	ALT+1
Set title overlay cameo decorations	ALT+2
Set title bar decoration	ALT+3
Toggle VCA overlay	ALT+4
Maximize video area	F10
Mute audio	F7

Action	Key
Show Help	F1
Toggle full screen	F11
Volume up	F8
Volume down	SHIFT+F8
Log off	F4
Exit application	ALT+F4
Only in Playback mode	
Show exported files tab	CTRL+X
Show event search task	ALT+E
Show IVA search task	ALT+I
Show text search task	ALT+T
Go to timeline	CTRL+T
Go to play control area (CTRL+p)	
Play reverse	SHIFT+SPACEBAR
Pause play	SPACEBAR
Play forward	SPACEBAR
Play speed up	PLUS SIGN
Play speed down	MINUS SIGN
Move back 1 frame	LEFT ARROW
Move forward 1 frame	RIGHT ARROW
Go to timeline (CTRL+t)	
Timeline page left	LEFT ARROW
Timeline page right	RIGHT ARROW
Timeline step left	SHIFT+LEFT ARROW
Timeline step right	SHIFT+RIGHT ARROW
Timeline begin selection	HOME
Timeline end selection	END
Timeline increase resolution	PAGE UP
Timeline decrease resolution	PAGE DOWN

Action	Key
Go to viewer (CTRL+v)	
Select cameo	
Toggle full screen / multi-screen	ENTER
Move to cameo on left	LEFT ARROW
Move to cameo on right	RIGHT ARROW
Move to cameo above	UP ARROW
Move to cameo below	DOWN ARROW

16.2 Using a Bosch IntuiKey keyboard

The Bosch IntuiKey keyboard can be used to control a limited number of functions in the live and playback mode. The keyboard is connected to the computer via an RS-232 connection. Refer to the IntuiKey documentation for more information on installing and general operating principles.

When the IntuiKey keyboard is controlling Video Client, several functions of the application are disabled, so it is necessary to ensure that the application is set-up correctly for IntuiKey operation.

16.2.1 Before installing the IntuiKey keyboard

Before installing the IntuiKey keyboard configure Video Client taking the following points into account:

- User name and password may only consist of numbers as you can only enter this information using the numeric keypad of the IntuiKey keyboard.
- Set up all the favorite views you will require (at least one layout must be defined).
- Set up sequences.

Tip:

If you precede a favorite group with a number in square brackets (for example, [300]), the items in that group will be numbered sequentially based on that number ([301], [302], etc.)

The **View Designer** and **Monitor Wall** task panels will not be available.

In the toolbar, the following functions will be unavailable or limited:

	User preferences (limited)
	Display cameras in sequence
	Select cameo decoration (limited)
	Configuration Manager
	Show help index
	Minimize

16.2.2 Setting up the IntuiKey keyboard

Connect the IntuiKey keyboard to the computer. In the Configuration Manager application, set the communication port number of the computer and enable **Use keyboard**.

See also

– *Configuring with Configuration Manager, page 10*

When the IntuiKey keyboard is installed, restart Video Client. On connection, press the Prod button and then press the softkey next to **Terminal**.

To log on to the application, enter the user name and password using the numeric keypad and the enter key .

Video Client opens with a compact user interface.

16.2.3 Using the IntuiKey keyboard

Initially, the softkey display shows the available functions for the live mode.

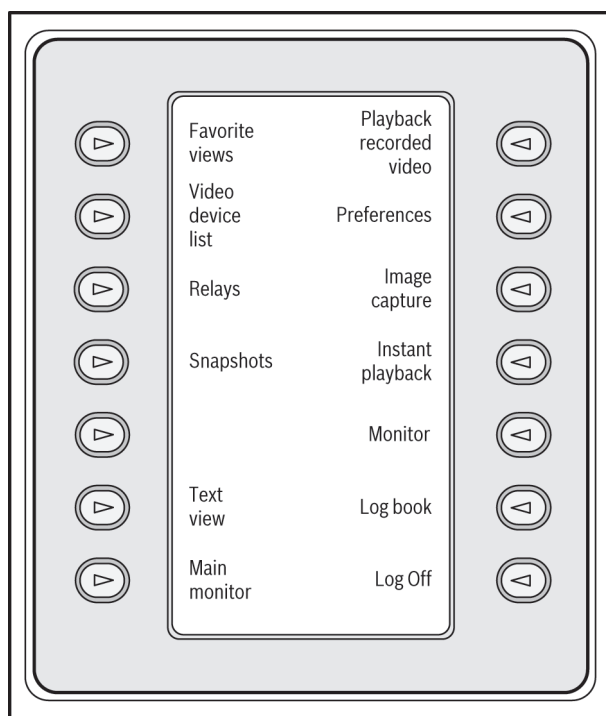


Figure 16.1: Live mode view of sample English softkey display

Press the associated softkey to select a function. Continue using the softkeys to select the items in the submenus.

The favorite views, video inputs, sequences and relays are displayed in the application preceded by a number in square brackets. Enter this number on the numeric keypad and press the enter key  to select the function.

Use the Mon key to select a cameo.

Playback mode

If you select **Playback recorded video** in the live mode the following is displayed:

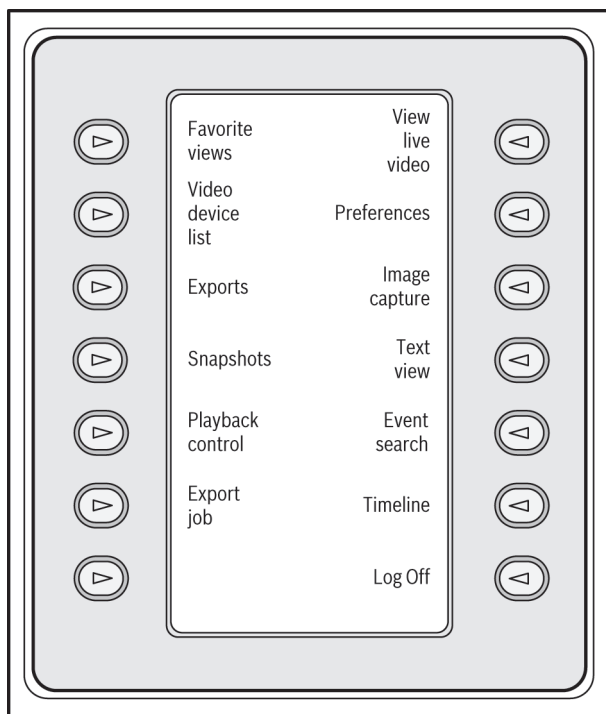


Figure 16.2: Playback mode view of sample English softkey display

You can also use the joystick to control playback and timeline actions.

Exiting the application

To exit the application, select **Log Off**.

Bosch Sicherheitssysteme GmbH

Robert-Bosch-Ring 5

85630 Grasbrunn

Germany

www.boschsecurity.com

© Bosch Sicherheitssysteme GmbH, 2013