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# Teneo / Sinius / Intego

Operator's manual for Sidexis 4 Video Plugin

English



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# 1 Description of plugin

## 1.1 Functionalities

The Video plugin includes the following functionalities:

- Presentation of live images and still images from an intraoral camera in Sidexis 4
- Importing still images into Sidexis 4

Some of these functions can be configured via the EasyTouch user interface on the treatment center. See SIUCOM plus / SIVISION connect installation and configuration instructions.

## 1.2 Supported intraoral cameras

**SIVISION digital intraoral cameras:**

- SiroCam AF
- SiroCam AF+
- SiroCam F
- SIROCAM digital

**Intraoral cameras connected via video grabber:**

- SiroCam 3
- SiroCam C

Other cameras connected by USB or video grabbers are possible.

## 2 Installation

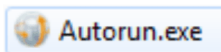
### 2.1 Prerequisites

- Sidexis 4 is installed.
- SIUCOM Plus is installed.
- SIVISION connect is installed.

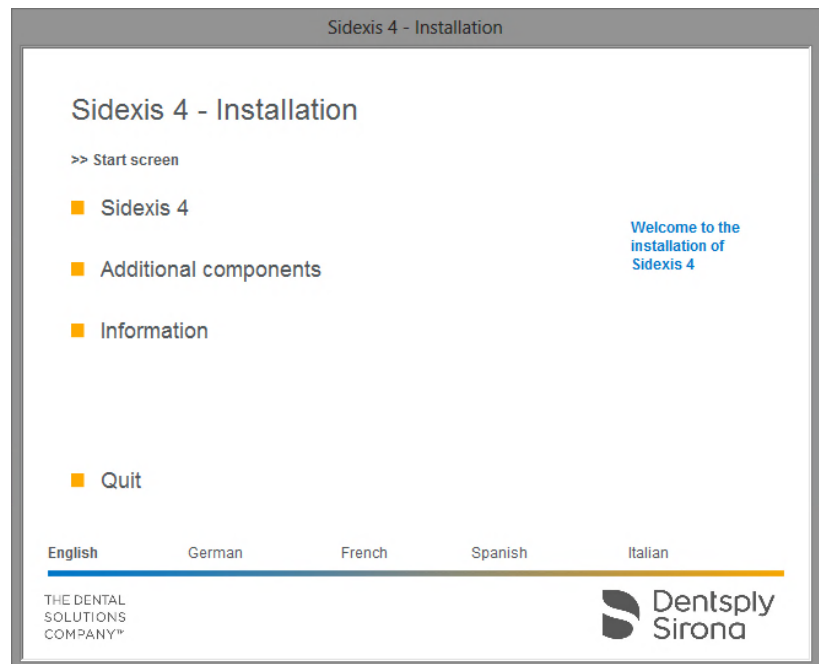
#### Prerequisites for SIROCAM 3 and SIROCAM C

- A video grabber is installed. The following video grabbers are supported:
  - Leutron (video grabber card)
  - Terratec G1 (USB video grabber)
- SIUCOM is installed

### 2.2 Calling up the installation wizard



1. Insert the Sidexis 4 DVD in the computer's DVD drive.  
NOTE: The Sidexis 4 installation wizard should start automatically by default. If this is not the case, open the "Autorun.exe" file in the root directory of the Sidexis 4 DVD.



*Sidexis 4 Installation wizard/home page*

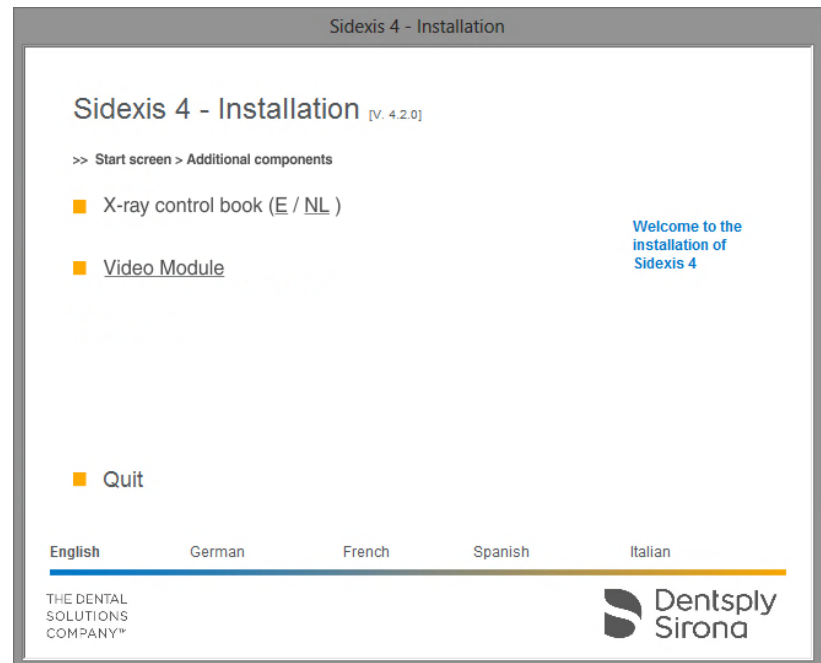
- ✎ The home page of the Sidexis 4 installation wizard opens.  
NOTE: The installation wizard detects the language of the installed operating system. If the language of the operating system is available as a Sidexis 4 program language, this is used automatically as the installation language. If the language of the operating system is not available as an installation language, English is used as the installation language.

If Sidexis 4 is to be installed in a different language, you must change the language manually.

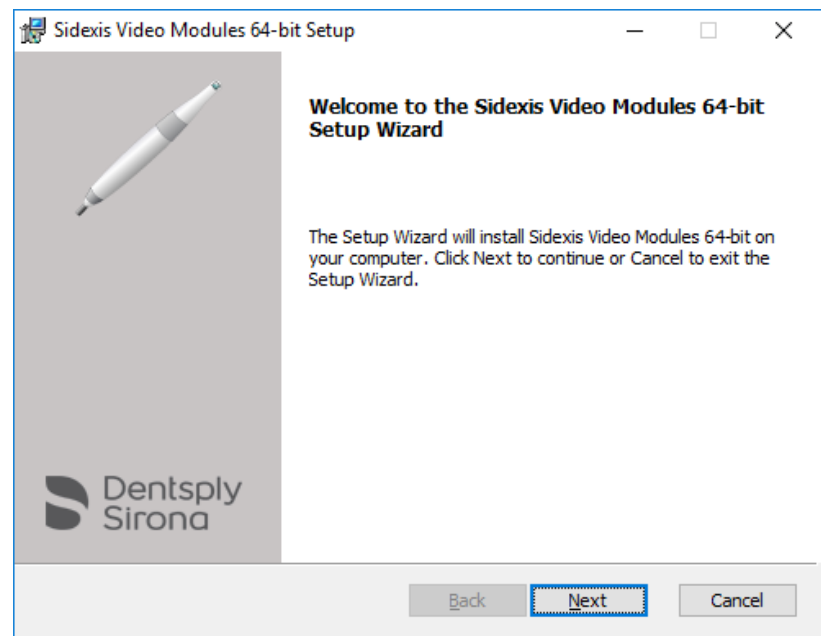
2. Click the language you prefer in the bottom bar on the home screen.  
↳ The installation language is changed.

## 2.3 To install the video plugin

1. In the installation wizard, click on Additional components.

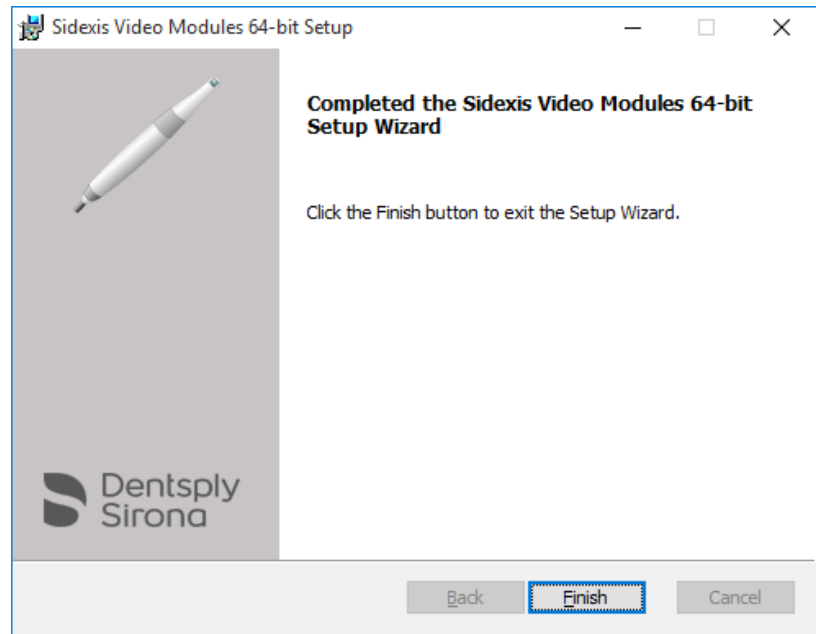


2. Click the Video module button in the window that appears.



- ↳ The setup program for the video plugin is started.

3. Click the Next button to start the installation.



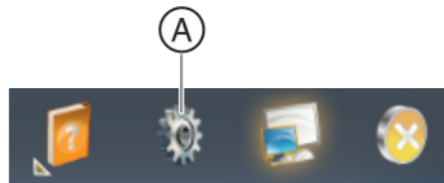
- ✎ A confirmation message window appears once the installation has completed
4. Click on the Finish button.
- ✎ The video plugin is installed.

## 3 Operation

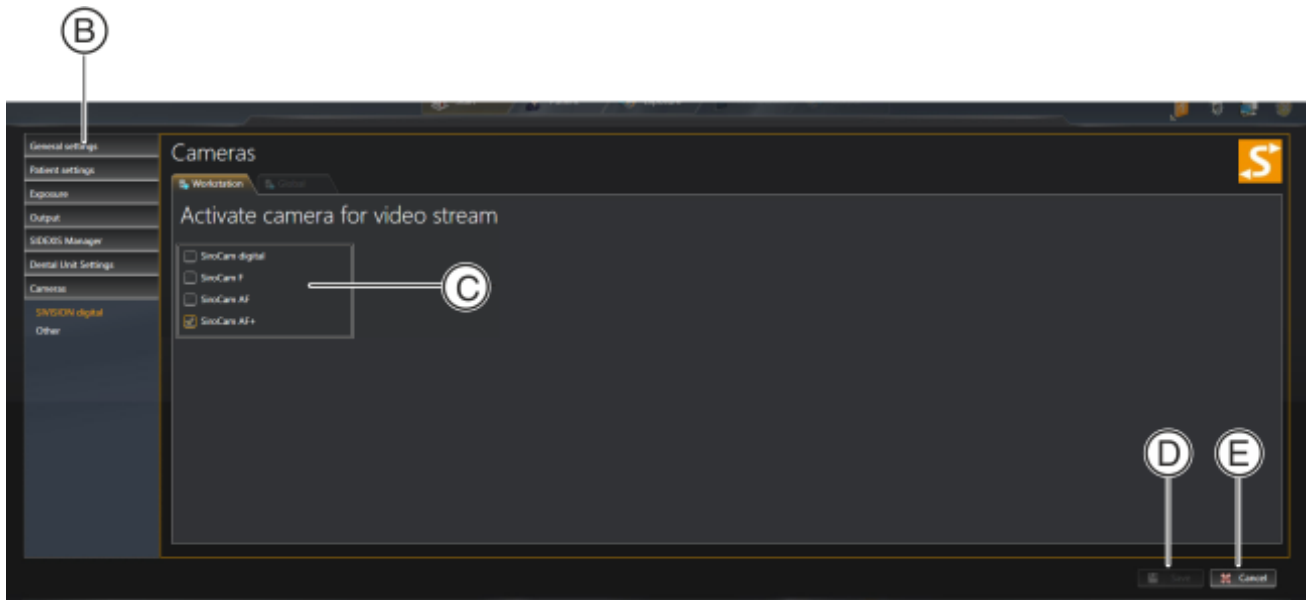
### 3.1 Select camera

#### 3.1.1 Selecting SIVISION digital intraoral cameras

1. Start Sidexis 4.



2. Click on the toothed wheel icon (A) in the header line of the software.  
↳ The configuration menu opens.



3. Click the Cameras → SIVISION digital buttons in the structure tree (B).
4. Place a check in Activate camera for video images (C) in the region you wish to use with Sidexis 4.
5. Click on the Save button (D).  
↳ The selected intraoral cameras can be used with Sidexis 4.

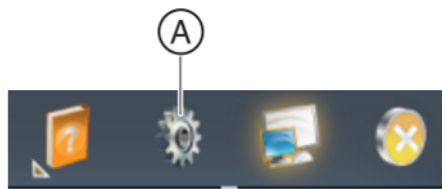
**NOTE!** The selected intraoral cameras are only available for Sidexis 4.

#### 3.1.2 Selecting and configuring third-party cameras

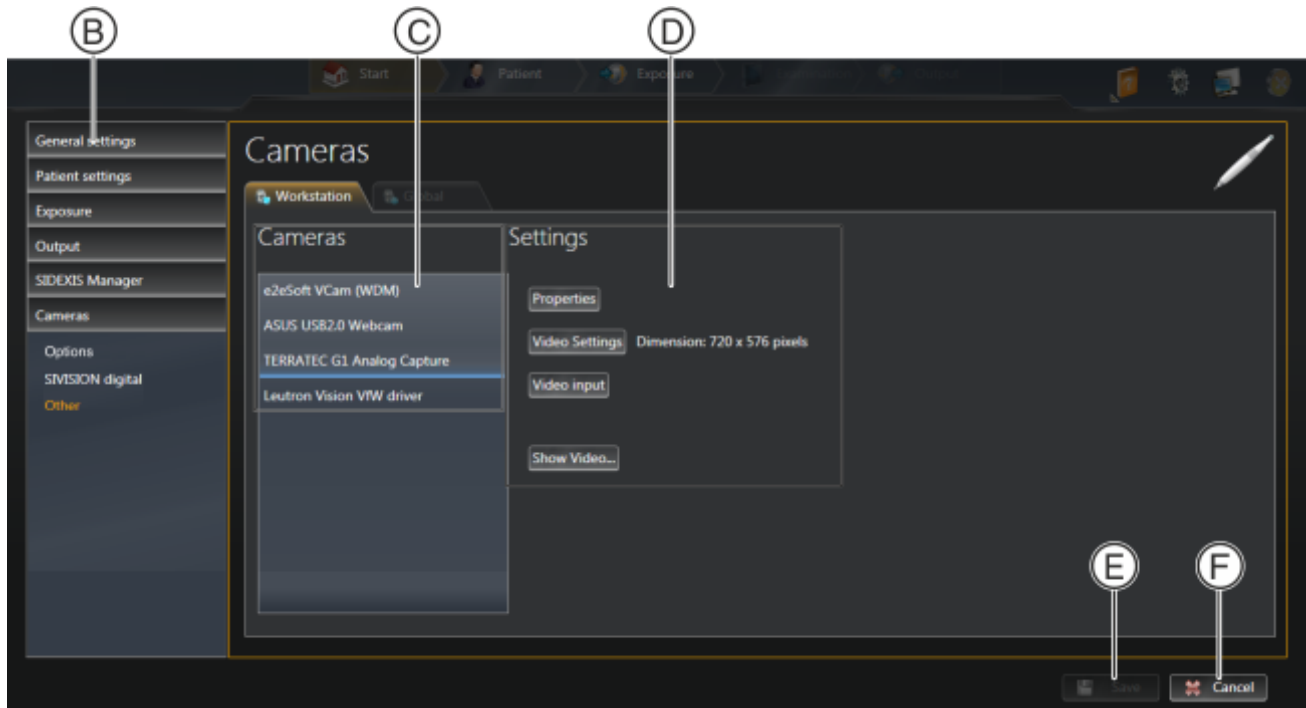
Third-party cameras connected via USB and USB video grabber can be selected and configured.

##### Selecting a third-party camera

1. Start Sidexis 4.



2. Click on the toothed wheel icon (A) in the header line of the software.  
↳ The configuration menu opens.

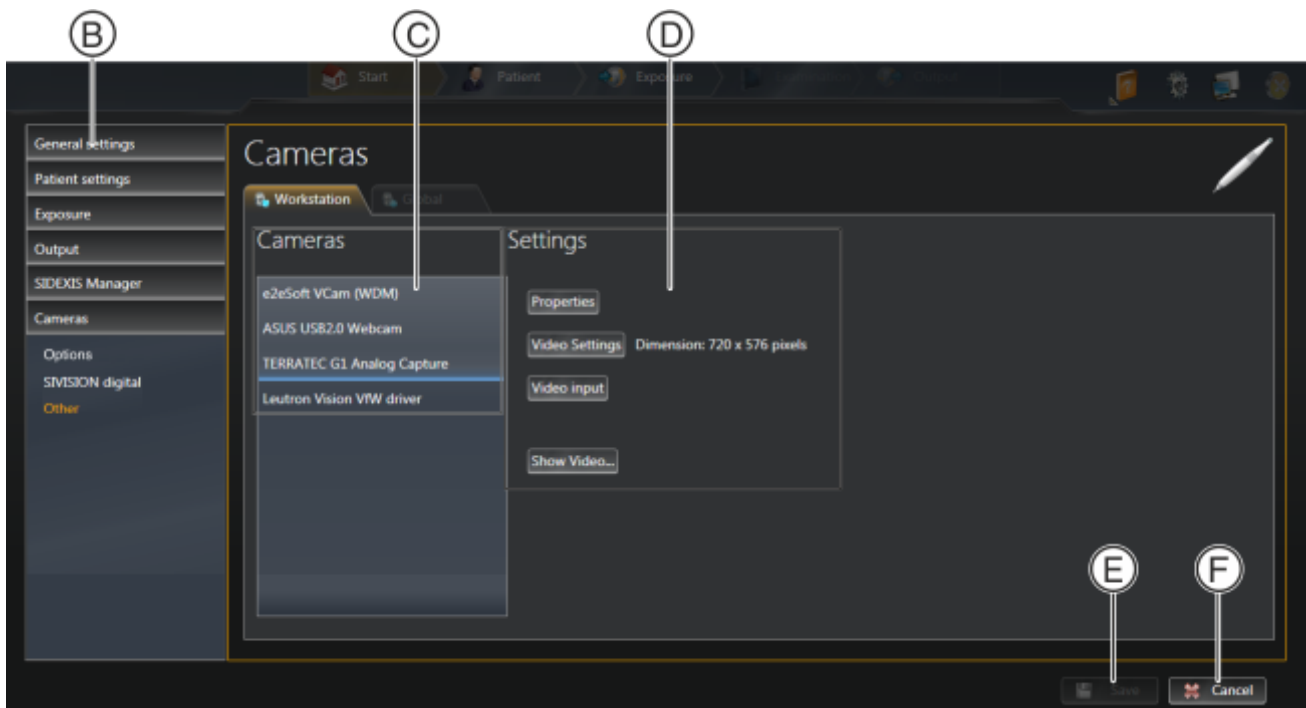


3. Click the Cameras ⇒ Other buttons in the structure tree (B).
4. In the Cameras region (C), select the camera you wish to use with Sidexis 4.
5. Click the Save button (E):  
↳ The selected camera can be used with Sidexis 4.

### Configuring a third-party camera

In the Settings region (D), the following options are available for the selected camera:

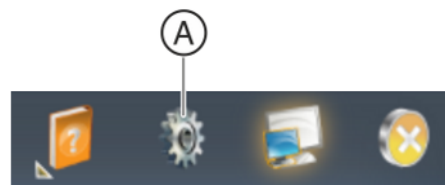




- **Properties**  
button Set the camera-specific parameters appearing in the dialog box (e.g. filter, color, sharpness).  
The dialog is part of the camera driver software and various options are available depending on the camera.
  - **Video settings**  
button Set the resolution of the video image appearing in the dialog box.  
The dialog is part of the camera driver software.  
The selected resolution is displayed next to the button.
  - **Video input button (optional)**  
Select the video input to be used (e.g. composite or S-video).  
This setting option is only available if the selected video unit features selection options for the video input.
  - **Show video...**  
button The live camera image is displayed in order to check the configuration. By pressing the Esc key, you can close the live image again.
- Click the Save button (E) to save the configuration.

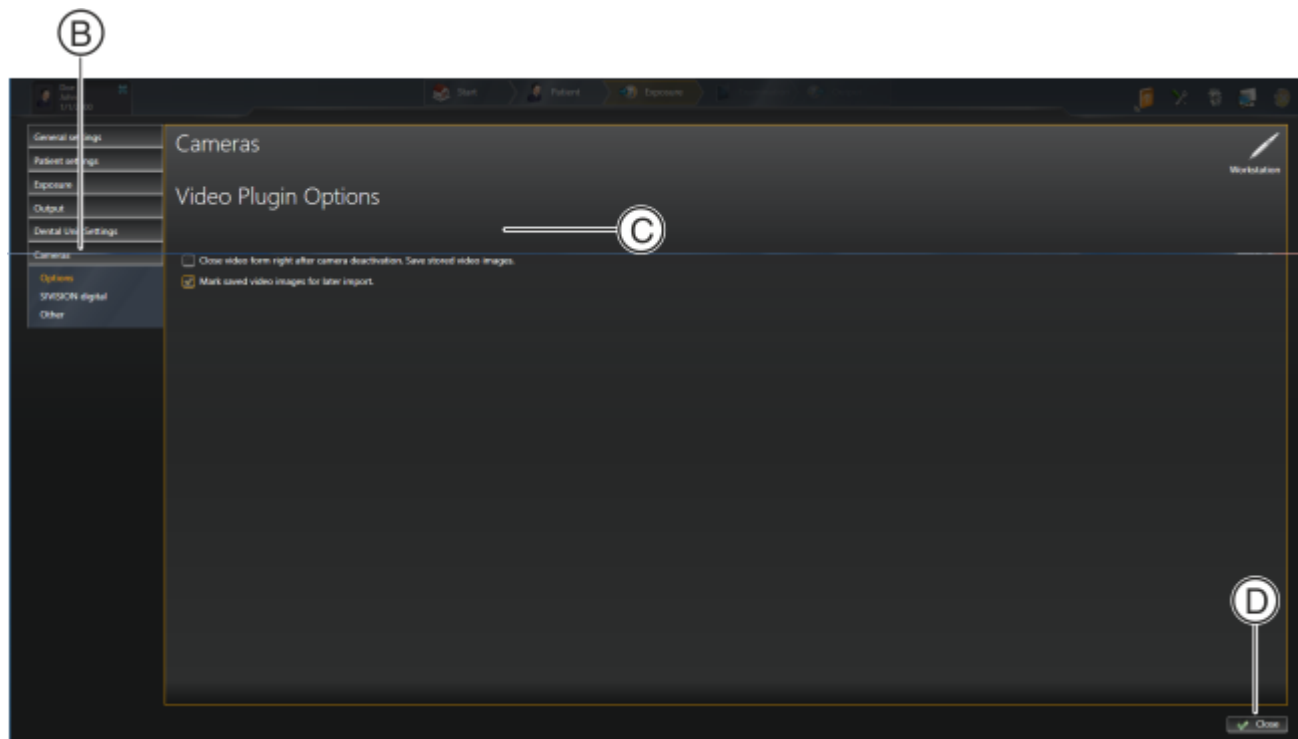
## 3.2 Options for the Video plugin

1. Start Sidexis 4.



2. Click on the toothed wheel icon (A) in the header line of the software.

✎ The configuration menu opens.



3. Click the Cameras ⇒ Options buttons in the structure tree (B).

You can apply the following settings in the Video Plugin Options area (C):

|                                                                                         |                                                                                               |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| "Close video form right after camera deactivation. Save stored video images." check box | The plugin is closed automatically once the intraoral camera is put back in its storage tray. |
| "Mark saved video images for later import." check box                                   | The still images saved are highlighted automatically for import into Sidexis 4.               |

### 3.3 To display and close live images

1. Start Sidexis 4.
2. Select a patient.
3. For SIVISION digital intraoral cameras: Remove the intraoral camera from the holder.

or

- For third-party cameras: Click on the camera icon (A) in the status bar.





- ✚ The camera is switched on and the live image is displayed in Sidexis 4.
- 1. For SIVISION digital intraoral cameras: Place the intraoral camera in the holder.
- or
- For third-party cameras: Press the **Esc** key.
- ✚ The camera is switched off and the live image is closed.

## 3.4 Generate and display a still image

### Generate a still image

**NOTE:** There are several options for focusing the camera. See also: SIUCOM Plus / SIVISION connect Installation and Configuration REF 63 94 323

- 1. For SIVISION digital intraoral cameras: Press the foot control pedal.
- or
- For third-party cameras: Press the **Return** button.
  - ✚ The camera focuses and a still image is generated.
  - ✚ The live image is then displayed again.
  - ✚ The still image is saved in the plugin. A thumbnail of the still image is displayed in the bar (A).
- 2. Press the foot control pedal or the **Return** button once again to generate further still images.



### Display a still image

- ✓ The camera is in the storage tray.



1. Click on a thumbnail in the bar (A).  
You can scroll with buttons (B) and (C).
  - ↳ The still image is displayed. The thumbnail is marked with a yellow frame.

2. Remove the camera from the storage tray to display the live image once again.

### 3.5 Save or discard still images in Sidexis 4



#### Highlight still images for saving in Sidexis 4

- > Click on the icon at the top left in the thumbnails (D) / (E).  
Icon (D): Image is highlighted.  
Icon (E): Image is not highlighted.

You can highlight or remove the highlighting for all still images using the (F) button.

#### Save still images in Sidexis 4

- > Click on the (H) button.
- ✎ The still images selected are saved in Sidexis 4 and displayed in the light box.
- ✎ The still images that are not highlighted are discarded.
- ✎ The plugin closes.

**NOTE!** If no patient is registered in Sidexis 4 then the Sidexis 4 import dialog appears. Register the patient to import the images.

#### Discard all still images.

- > Click on the (G) button.
- ✎ All still images are discarded.
- ✎ The plugin closes.

## 4 Known limitations

### **Power options / screen savers**

Using power saving options or screen savers on the PC may lead to malfunctions if actions are triggered from the treatment center while the sleep options are active.

#### **Remedy:**

Deactivate the corresponding power options or the screen saver on the PC.

Additional information regarding settings in the operation system and troubleshooting is provided in "Service Manual Sivation Digital" REF 65 79812.

### **Still image is not saved by placing the intraoral camera in the holder when using SiroCam Digital**

Saving a still image by placing the intraoral camera in the holder is not available when using SiroCam Digital.

## 5 Corrective action

### Possible sources of error

1. Intraoral camera is not connected to the Sidexis PC.  
Solution: Connect the intraoral camera to the Sidexis PC.
2. The IP address of the treatment center is not stored in all programs.  
Solution: Check and store the IP address in all programs. See SIUCOM Plus / SIVISION connect installation instructions.
3. SIVISION connect server service is not running.  
Solution: Start SIVISION connect server service. See SIUCOM Plus / SIVISION connect installation instructions.
4. No communication between the treatment center and the PC.  
Solution: Make sure that the IP addresses of the treatment center and of the PC are in the same subnet.

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We reserve the right to make any alterations which may be required due to technical improvements.

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