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USBCam4 Tether

User Manual

	English	

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1 General Data

- **1.1** About these Installation Instructions
- 1.1.1 Structure of the document

1.1.1.1 Identification of the warning levels

To prevent loss of data and /or failure of the software, please observe the warning and safety information provided in this document. This information is highlighted as follows:

▲ DANGER

An imminent danger that could result in loss of data or failure of software.

⚠ WARNING

A possible dangerous situation that could result in the loss of data or failure of software.

▲ CAUTION

A possible situation that could result in failure of software.

NOTICE

A possible situation that could result in misconfiguration of software.

IMPORTANT

Application instructions and other important information.

Tip: Information for facilitating work.

1.1.1.2 Formats and symbols used

The formats and symbols used in this document have the following meaning:

 ✓ Prerequisite 1. First action step 2. Second action step or → Alternative Action ♥ Result → Individual action step 	Requests you to do something.
see "Formats and symbols used [→ 7]"	Identifies a reference to another text pas- sage and specifies its page number.
● List	Identifies a list.
"Command / menu item"	Identifies commands, menu items, or quotations.

1.1.2 Conventions

Example	Meaning
Click	A single click down and releasing of the left mouse button.
Double-click	Clicking and releasing of the left mouse button twice in quick succession.
"Ctrl+N"	On the keyboard: Press the Ctrl and N keys simul- taneously.
Drag & Drop	Pulling along and letting go. Click the left mouse button on an element, hold it and then release the mouse button on a possible target.
Activate / deactivate a check box	Select / deselecting a check box with a mouse click in order to activate / deactivate its underlying function.
Activate / deactivate an option button	Selecting / deselecting an option button with a mouse click in order to activate / deactivate its underlying function.

1.1.3 **Contents and target group**

These installation instructions are intended for performing the installation of USB-Cam4 Tether and the use of USBCam4 Tether.

1.2 General Information

During installation

Existing software

Requirements

IMPORTANT

During installation of any included software, no Windows updates should be running or be executed in the background as this may lead to problems.

If a previous version of USBCam4 Tether exists on the PC, it should be removed before starting the following installation process.

⚠ WARNING

This software requires that USBCam4 driver are installed.

2

Features and Requirements

USBCam4 Tether offers the ability to use your USBCam4's capture button inside Dentsply Sirona's Sidexis 4 software.

- Freeze video from USBCam4 inside Sidexis 4.
- Capture image from USBCam4 inside Sidexis 4.
- Adjust freeze length giving more time to decide on capture.
- Automatic detection of USBCam4 device.

Component	Minimum for 2D Workstations	Minimum for 3D Workstations
Operating System Windows 7 Pro SP1 (32 or 64bit) Windows 8.1 Pro (64bit) Windows 10 Pro (64bit)		Please see Site Survey for information.
RAM ≥4GB		
Hard Disk	≥5GB	
	Dedicated Graphics Memory or Intel Onboard	http://DenstplySironaSupport.com
Graphics Card	Capture window indicator.	
DirectX	Capture timeout adjustment.	

Further information can be found on both <u>Sirona.com</u> and Dentsply<u>SironaSupport.com</u> including installation quick guides, documentation and manuals.

Microsoft .NET 4.5 is required for USBCam4 Tether to operate. It is included with the installer.

3 User Interface

S USBCam4 Tether	
File	
Button Click Detected	A. Capture Press Timeout: 3 Seconds E.
Sidexis 4 Detected	B
Camera Ready	C.
Capture Window Shown	D. Start with Windows
	Version: 1.2
THE DENTAL SOLUTIONS COMPANY™	Dentsply Sirona

Component	Object	Function
A:	Button click indicator.	Green if the capture button is pressed.
B:	Sidexis 4 indicator.	Green if Sidexis 4 is open.
C:	Camera ready indicator.	Green is USBCam4 is connected.
D:	Capture window indicator.	Green if capture window is open.
E:	Capture timeout adjustment.	Controls how long video is frozen.
F:	Start with Windows checkbox.	If checked, USBCam4 Tether will start on boot.

4 Installation

USBCam4 Tether should be installed on any workstation that is intended to cap-

ture images with USBCam4. Upon successful installation, it is recommended to store the USBCam4 Tether.msi

IMPORTANT The following components are required for proper functionality. Sidexis 4 Video Module - Found in the Sidexis 4 installer under "Additional Components"

USBCam4 Driver - Found at SchickBySirona.com

in a safe location for future use.

- 1 Locate the installer file "USBCam4 Tether.msi".
- 2 Double Click "USBCam4 Tether.msi".



3 Click "Next".



4 Confirm the installation directory, then click "Next".

岃 USBCam4 Tether		
Select Installation Folder		
The installer will install USBCam4 Tether to the following folder.		
To install in this folder, click "Next". To install to a different folder, enter it beli	ow or click "Browse".	
<u>F</u> older:		
C:\Program Files (x86)\Sirona\USBCam4 Tether\	Browse	
[Disk Cost	
Install USBCam4 Tether for yourself, or for anyone who uses this computer:		
 Everyone 		
🔘 Just me		
Cancel < Back	Next >	

NOTE: This installation directory should not be changed.

5 Click "Next".

😸 USBCam4 Tether	
Confirm Installation	
The installer is ready to install USBCam4 Tether on your computer.	
Click "Next" to start the installation.	
Cancel < Back	Next >

6 Click "Close".

岗 USBCam4 Tether	
Installation Complete	
USBCam4 Tether has been successfully installed.	
Click "Close" to exit.	
Please use Windows Update to check for any critical updates to the .NET Frame	work.
Cancel < Back	Close

⅍ The installation of USBCam4 Tether is now complete.

4.1 Confirm Functionality

After successful installation, confirm functionality of USBCam4 Tether before attempting to use with Sidexis 4.

- 1 Locate USBCam4 Tether in the start menu. Start > All Programs > Sirona > USBCam4 Tether
- 2 Click "USBCam4 Tether"

JCAT Suite	Ξ
SIDEXIS iX Server	
퉬 Sirona	
SIDEXIS 4	
S USBCam4 Tether	Ŧ
4 Back	
Search programs and files	

S USBCam4 Tether	
File	
Button Click Detected	Capture Press Timeout: 3 Seconds
Sidexis 4 Detected	
Camera Ready	
Capture Window Shown	Start with Windows
	Version: 1.2
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✤ The USBCam4 Tether user interface is shown.

3 Connect the USBCam4 device.

S USBCam4 Tether	
File	
Button Click Detected	Capture Press Timeout: 3 Seconds
Sidexis 4 Detected	· · · · · · · · · ·
Camera Ready	
Capture Window Shown	Start with Windows
	Version: 1.2
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✤ After a few seconds, the "Camera Ready" indicator turns green.

4 Press the capture button on the USBCam4 device.

S USBCam4 Tether		
File		
Button Click Detected Sidexis 4 Detected Camera Ready	Capture Press Timeout: 3 Seconds	
Capture Window Shown	Start with Windows	
	Version: 1.2	
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⇔ The "Button Click Detected" indicator should immediately turn green.

5 Open Sidexis 4.

S USBCam4 Tether	
File	
Button Click Detected Sidexis 4 Detected Camera Ready	Capture Press Timeout: 3 Seconds
Capture Window Shown	Start with Windows Version: 1.2
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⇔ The "Sidexis 4 Detected" indicator should turn green.

4.2 Set up USBCam4 with Sidexis 4

It is sometimes necessary to configure Sidexis 4 to use the USBCam4 for capture.

- 1 Open Sidexis 4. Start > All Programs > Sirona > Sidexis 4
- 2 Open "Settings".



3 On the left, select the "Cameras" sub menu.

🕡 Sidexis 4	
	Start 🤵 Pa
General settings	Cameras
Patient settings	
Exposure	Activata consora for video streen
Output	Activate camera for video stream
Cameras	—
SIVISION digital	
Other	
SICAT Suite	

IMPORTANT

If the "Cameras" sub menu is not present, please install the Video Module from the Additional components menu in the Sidexis 4 installer.

4 Select "Other"

5 In the list that appears, select "Schick Technologies USBCam4".



IMPORTANT If "Schick Technologies USBCam4" is not in this list, please install the USBCam4 Driver from SchickBySirona.com

6 Click the "Show Video" button.

🗊 Sidexis 4		
		Start Start Patient
General settings	Cameras	
Patient settings	Cumerus	
Exposure	Cameras	Settings
Output		
Cameras	Integrated Camera	Properties
SIVISION digital	Schick Technologies USBCam4	Video Settings Dimension: 640 x 480 pixels
Other		
SICAT Suite		
		Show Video

If the USBCam4 is powered on, you should now see live video. At this point, everything is functional. Press the escape key on your keyboard to close this window.

5 First Use

If all previous steps are successful, continue by confirming functionality within Sidexis 4.

- 1 Open Sidexis 4. Start > All Programs > Sirona > Sidexis 4
- 2 Register a patient using "Register and Exposure"



3 Open the capture window by clicking the small camera button at the bottom.



- 4 With the capture window shown, power the camera on. You should now see live video.
- 5 Position the camera in the area you intend to capture. When ready, press the capture button on your USBCam4 1 time. The live video will freeze.



As the live video is frozen, you have approximately 3 seconds to decide on keeping the image or not. If you want to save this image, press the capture button 1 time within 3 seconds. If you do not want to keep this image, wait until the allotted time is expired, and the live video will return.

NOTICE

This 3 second window for deciding to keep the image is a default time. It can be changed in USBCam4 Tether's user interface.

- 6 Capture an image with the method below.
 With live video displayed, press the capture button 1 time.
 Within 3 seconds, press the capture button again.
 - An image will be saved in the background.

7 You can continue to capture subsequent images in the same way. (Press once to freeze, press once more to capture - OR wait 3 seconds for another attempt)



8 Close the capture window with the method below. With live video being displayed, press the capture button on your USBCam4 twice within 1 second.



9 The capture window is now closed, displaying the images saved during the capture session.