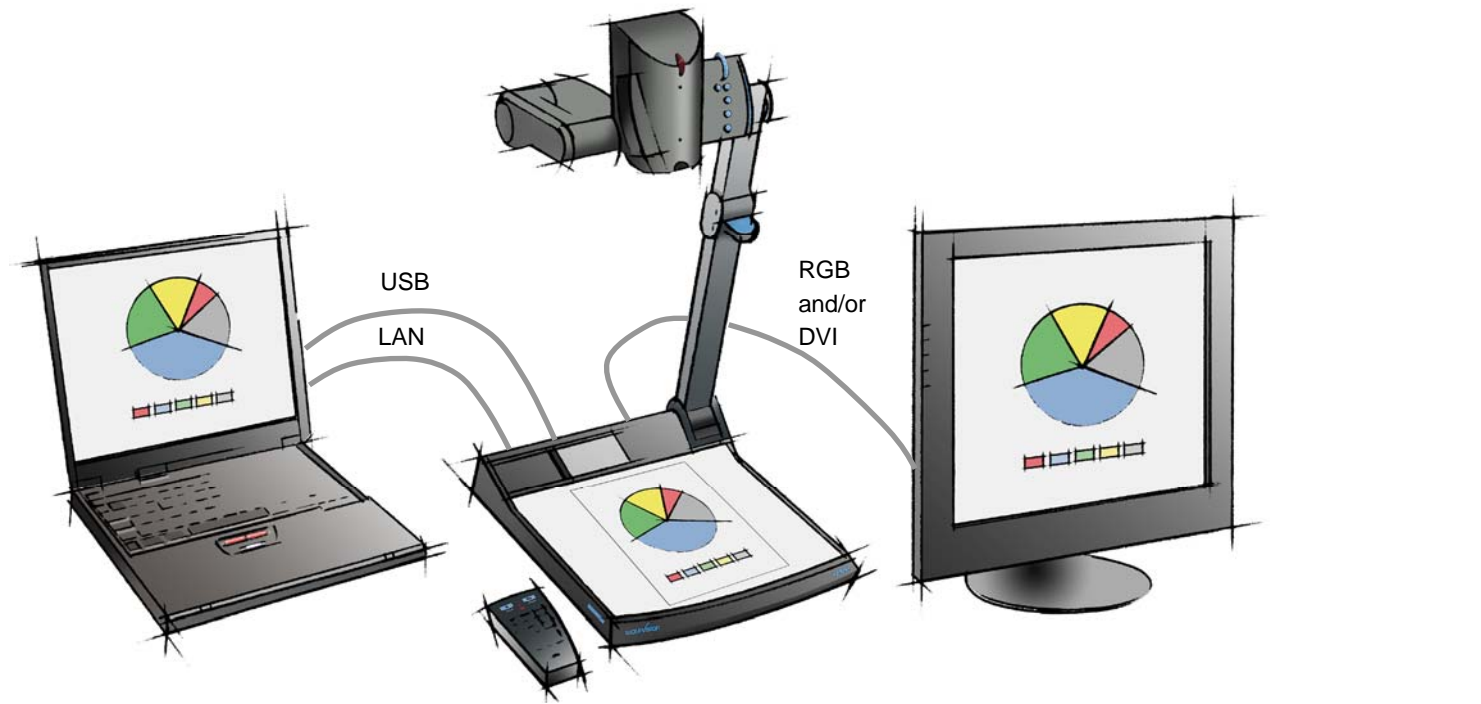


How to demonstrate the WolfVision Connectivity-Software?

Basic Setup:



PC or Laptop
(use USB and LAN port,
if available at the Visualizer/Camera)


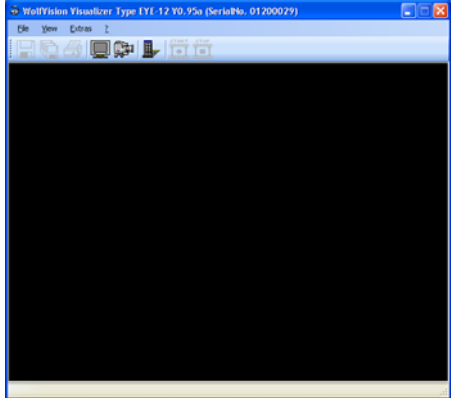
WolfVision Visualizer/Camera

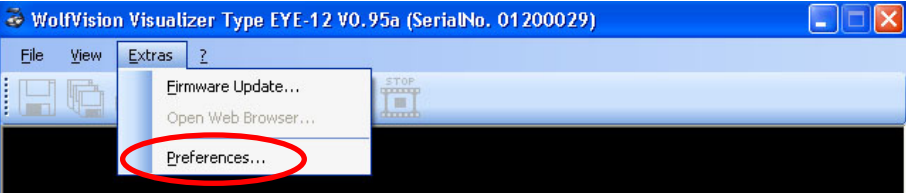
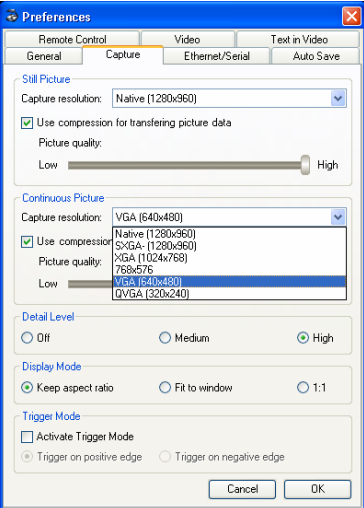
optional use of Monitor and/or Projector
(use DVI and/or RGB output)

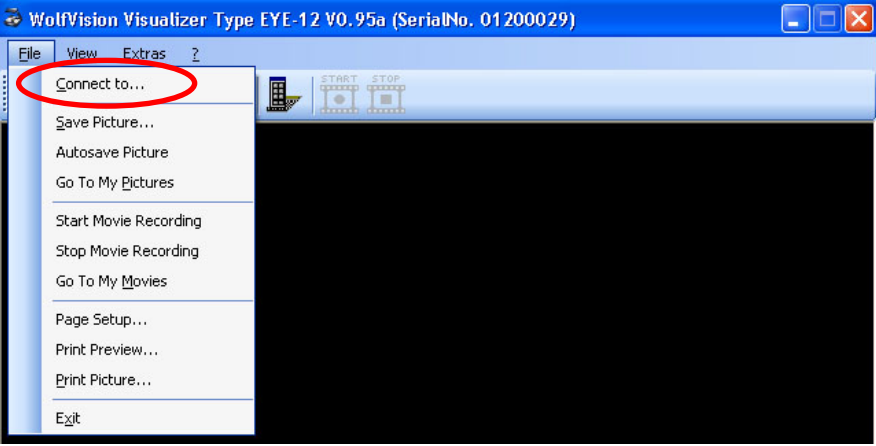
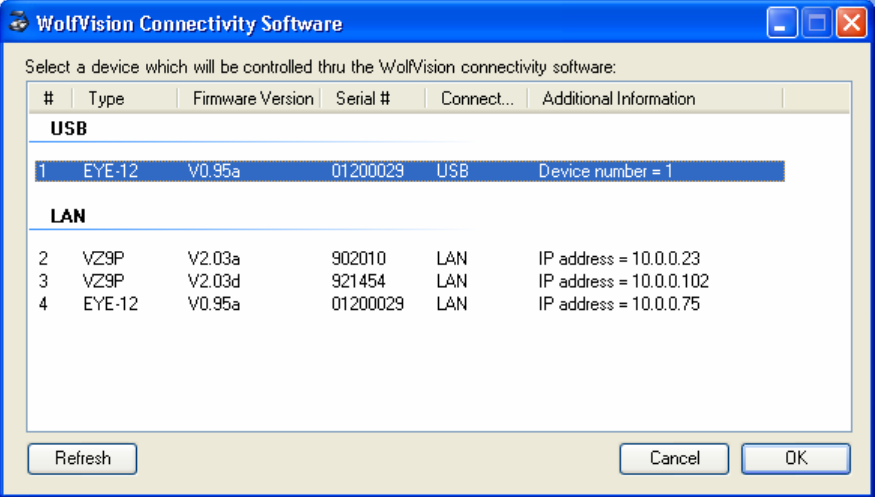
List of demo items:



(part of WolfVision Demo Set)


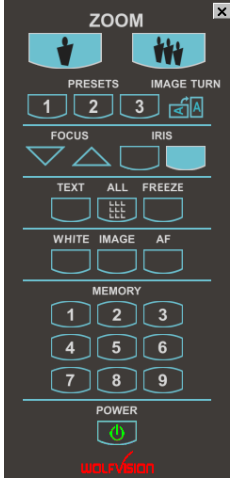
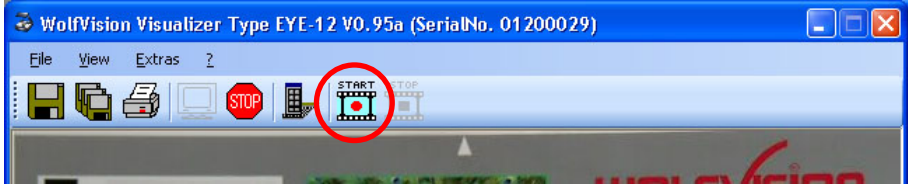
- WolfVision test chart

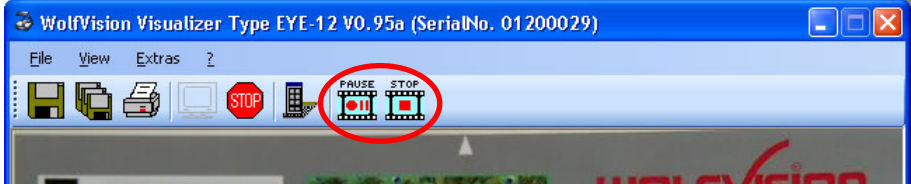
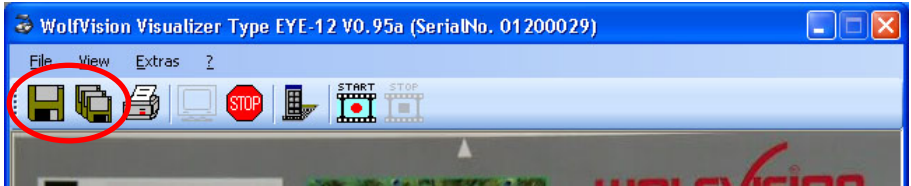
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
1.			Introduction	<p>Short introduction about WolfVision, Visualizers in general and respective applications:</p> <ul style="list-style-type: none"> • Since 1990 WolfVision has been known as the "Technology Leader" in the Visualizer market. The company that sets the standards when it comes to product quality, innovation and ease of use. Completely focused on Visualizers, WolfVision offers a wide range of solutions to meet customer's requirements, applications and budgets. • A WolfVision Visualizer is a special Live-Camera System which is designed to pick up objects on and outside the working surface, using perfect lighting and depth in focus. All types of objects (like photos, books, brochures, transparencies, slides or 3-dimensional objects) can be picked-up very quickly and easily. This eliminates the need of producing OHP-transparencies or slides, because a user can display all original objects. The image produced by a WolfVision Visualizer can be displayed on TV-monitors or projected onto a large screen using a video projector or data projector. • A Visualizer is the perfect presentation tool and can be used in various applications: <ul style="list-style-type: none"> - meeting and conference rooms - for training and education - within court rooms - as an enhancement to Videoconferencing systems - for medical applications - documentation and multimedia applications
2.			Start the WolfVision Connectivity-Software on your computer (PC or Laptop should be connected to USB port or otherwise just explain)	  <p>The USB output of the Visualizer can be used to transfer images from a Visualizer to a computer and save them in JPG, TIF or BMP format. This way the Visualizers can be used as a 3-D scanner for a computer. WolfVision Visualizers are equipped with a fast USB 2.0 port. This allows for uploading images onto a PC in a fraction of a second. Connecting slower computers with the older USB 1.1 standard is also no problem. It still takes only a small fraction of the time a desktop scanner requires to scan an image.</p>

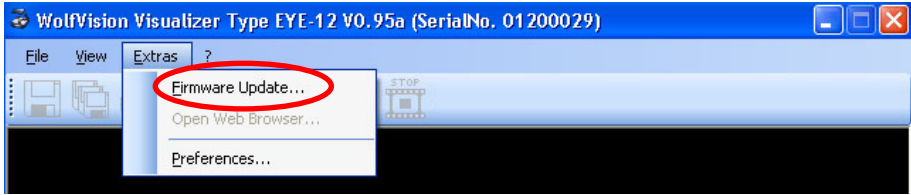
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
				<p>WolfVision's Connectivity-Software works under Windows 98, ME, 2000, XP, Vista (there is also a USB-Software available for Apple Macintosh) and is fully Twain compatible. This is important when using the Visualizer in connection with popular graphic programs such as Photoshop, or for connecting them to Interactive Whiteboards (Smart Boards).</p> <p>The fast USB 2.0 port can also output live motion. The WolfVision Connectivity-Software can store AVI-files and includes a video capture driver. You can view and save the live image from the Visualizer on your computer in almost every modern video editing software.</p> <p>Beside that, the Connectivity-Software can be used to update the Visualizers/Cameras firmware.</p>
3.		Individual user settings	Setup preferences	 <p>In the Preferences windows the user can adjust the software according to their requirements.</p>
4.		Various resolutions for capturing images	Choosing the resolution of captured images	 <p>The most important setting at the beginning is: Choose resolution for capturing still and live images, dependant on customer application and expectations. Especially in Continuous Mode it is a matter of resolution versus frame rate. Higher resolution means lower frame rate due to the limited bandwidth of USB 2.0 (max. 480 MBit/sec).</p> <p>At the beginning choose a lower resolution like VGA (or Preview mode) to demonstrate a faster frame rate in Continuous mode.</p> <p>Important: Various resolutions and a JPG-compression are only supported from WolfVision Visualizers/Cameras introduced after July 2007 (like EYE-12). Otherwise there is just the choice between Fullview (means native resolution) and Preview mode (50% of native resolution).</p>

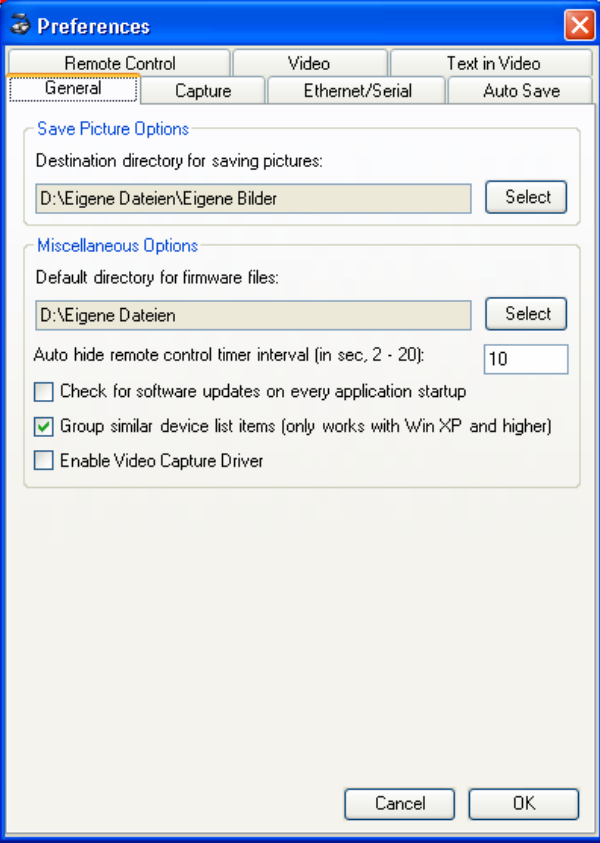
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story																																										
5.		Multi device handling	<p>Choose Visualizer model and USB as connection</p> <p>Start your demonstration by using USB as connection! Of course you can also use Ethernet as connection, but image transfer is slower when compared to USB! After demonstrating the features of the Connectivity-SW you can change to Ethernet as connection and perform parts of the demo again (especially #6, #7 and #13)</p>	 <p>The screenshot shows the 'WolfVision Visualizer Type EYE-12 V0.95a (SerialNo. 01200029)' window. The 'Extras' menu is open, and the 'Connect to...' option is highlighted with a red circle. Other menu items include 'Save Picture...', 'Autosave Picture', 'Go To My Pictures', 'Start Movie Recording', 'Stop Movie Recording', 'Go To My Movies', 'Page Setup...', 'Print Preview...', 'Print Picture...', and 'Exit'.</p> <p>The Connectivity-Software can detect multiple Visualizers/Cameras and the user has the free choice if USB or LAN is the preferred connection method (as long as both interfaces can be found at the Visualizer/Camera).</p>  <p>The screenshot shows the 'WolfVision Connectivity Software' dialog box. It prompts the user to 'Select a device which will be controlled thru the WolfVision connectivity software:'. The dialog contains a table with columns: '#', 'Type', 'Firmware Version', 'Serial #', 'Connect...', and 'Additional Information'. There are two sections: 'USB' and 'LAN'.</p> <table border="1"> <thead> <tr> <th>#</th> <th>Type</th> <th>Firmware Version</th> <th>Serial #</th> <th>Connect...</th> <th>Additional Information</th> </tr> </thead> <tbody> <tr> <td colspan="6">USB</td> </tr> <tr> <td>1</td> <td>EYE-12</td> <td>V0.95a</td> <td>01200029</td> <td>USB</td> <td>Device number = 1</td> </tr> <tr> <td colspan="6">LAN</td> </tr> <tr> <td>2</td> <td>VZ9P</td> <td>V2.03a</td> <td>902010</td> <td>LAN</td> <td>IP address = 10.0.0.23</td> </tr> <tr> <td>3</td> <td>VZ9P</td> <td>V2.03d</td> <td>921454</td> <td>LAN</td> <td>IP address = 10.0.0.102</td> </tr> <tr> <td>4</td> <td>EYE-12</td> <td>V0.95a</td> <td>01200029</td> <td>LAN</td> <td>IP address = 10.0.0.75</td> </tr> </tbody> </table> <p>Buttons at the bottom: Refresh, Cancel, OK.</p>	#	Type	Firmware Version	Serial #	Connect...	Additional Information	USB						1	EYE-12	V0.95a	01200029	USB	Device number = 1	LAN						2	VZ9P	V2.03a	902010	LAN	IP address = 10.0.0.23	3	VZ9P	V2.03d	921454	LAN	IP address = 10.0.0.102	4	EYE-12	V0.95a	01200029	LAN	IP address = 10.0.0.75
#	Type	Firmware Version	Serial #	Connect...	Additional Information																																									
USB																																														
1	EYE-12	V0.95a	01200029	USB	Device number = 1																																									
LAN																																														
2	VZ9P	V2.03a	902010	LAN	IP address = 10.0.0.23																																									
3	VZ9P	V2.03d	921454	LAN	IP address = 10.0.0.102																																									
4	EYE-12	V0.95a	01200029	LAN	IP address = 10.0.0.75																																									

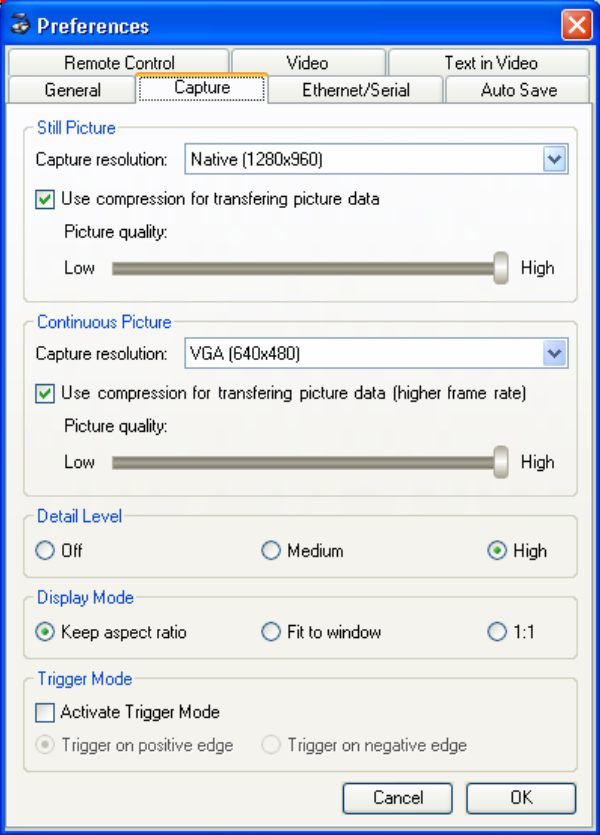
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
6.	Test chart	Capturing Still Image	Place test chart in front of camera and capture still image	 <p>By pressing the Monitor icon the current image is transferred at the chosen resolution.</p>
7.	Test chart and presenters left hand	Continuous Mode Full screen mode	<p>Press the Camera icon to start live images and point to details at test chart for demonstrating the frame rate at the chosen resolution</p> <p>By double-clicking onto the image the full screen mode will be activated (double-click again for standard setup)</p> <p>Transferring live images is stopped by pressing the Stop icon</p>	 <p>In this way the Connectivity-Software and a PC/Laptop can be used as a preview monitor.</p>

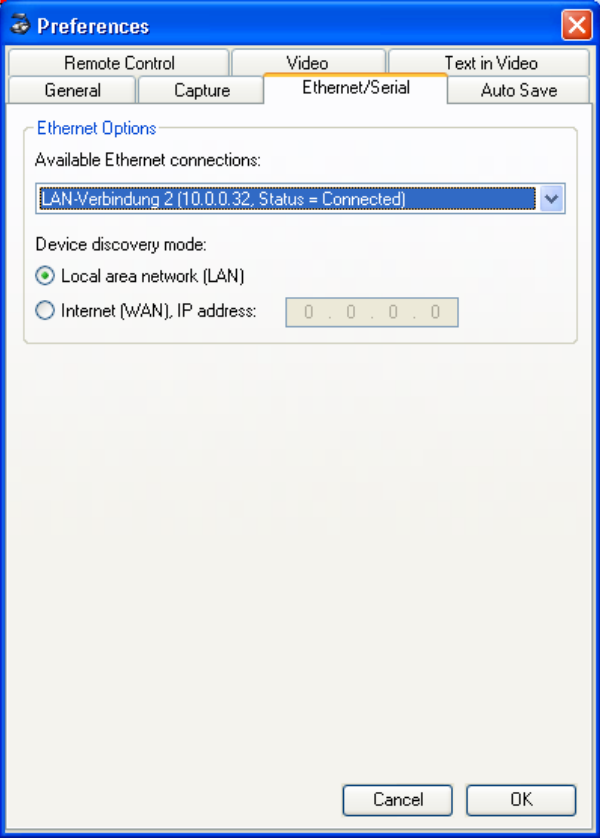
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
8.	Test chart	Advanced Visualizer/Camera remote control	<p>Press the Remote control icon</p> <p>Afterwards demonstrate the different functions (like zoom, ...) available on the remote control</p>	  <p>The remote control for the Visualizer displayed on the computer is very similar to the infrared control of the unit. The screen control allows users to work with a familiar interface on the computer screen. The user can choose between two dynamic remote control layouts: a WolfVision layout and a windows toolbar layout.</p> <p>In the preferences dialog the user can choose which keys he wants to see on the on-screen keypad.</p>
9.	Test chart and presenters left hand	Movie recording	<p>Press the Start icon</p> <p>Point to different areas of the test chart and then make some finger movements</p>	 <p>A very important feature of the Connectivity-Software is the ability to record video files and store them in AVI format. Just press the Start icon. At the end of the recording press the Stop icon and enter a name for the file. Various codecs (video compressors) which are installed at the computer can be used. For example, a standard Windows XP installation comes with about 10 different codecs for the Windows Media Player (WMF, MPEG etc.).</p>

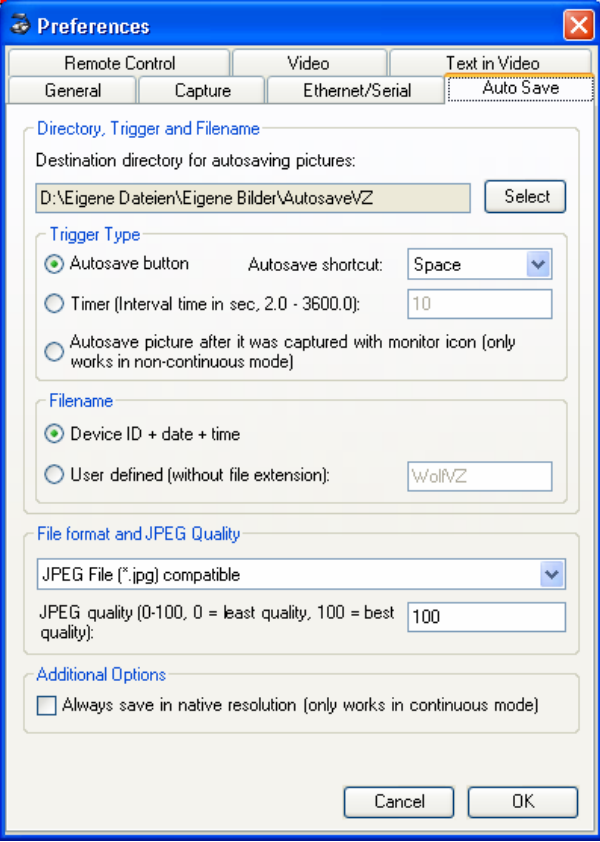
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
				<p>Most additional codecs added by other windows applications (for example video editing software/hardware) can be used as well. The video resolution and detailed settings of the used codecs can be adjusted in the preferences window.</p>  <p>The recording can be stopped temporarily and started again by pressing the Pause icon.</p>
10.	Test chart	Save and Autosave images	Press the respective icon and demonstrate	 <p>With the Auto Save function images can be saved with just one click. Settings like filename, file format and compression can be pre-defined in the preferences dialog. There is also a Timer which can be set to save an image every ... second. This can be used to automatically log a presentation made with a Visualizer or to make some fast scans without touching any key at all. Another option is to automatically save an image every time an image is taken from the Visualizer by clicking on the "monitor icon" in the software.</p>
11.	Test chart	Print	Press the printer icon and demonstrate	 <p>The Connectivity-Software can also be used to quickly print the current image from the Visualizer.</p>

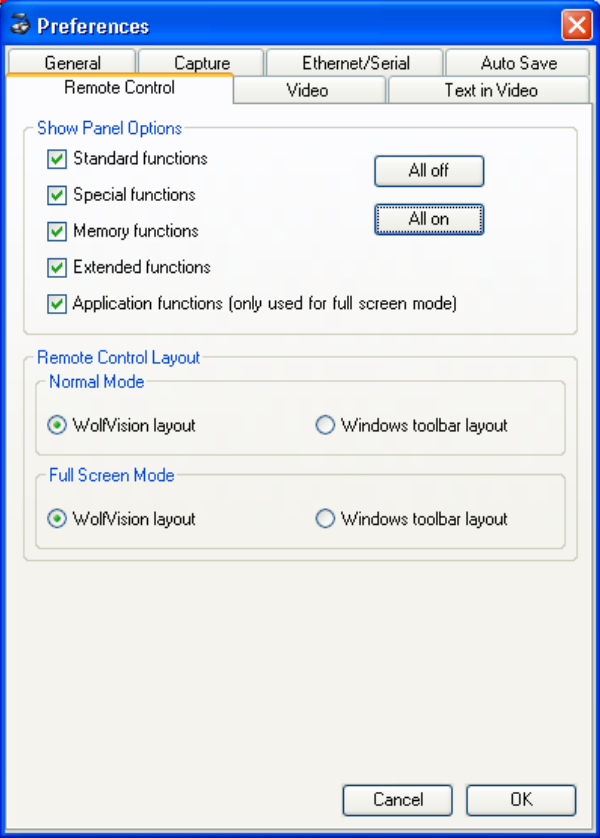
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
12.	Test chart	TWAIN driver Video capture driver		<p>When installing WolfVision's Connectivity-Software on a Windows PC, a Twain driver for the Visualizer is automatically installed. "Twain" is a standard Windows driver for scanners. It allows a user to scan a picture from the Visualizer in almost every image software (such as Adobe Photoshop, Corel Photo Paint, Image Ready etc.), without using the WolfVision Connectivity-Software. The Twain driver can also be used for connecting a Visualizer to an interactive whiteboard (such as a "Smart Board").</p> <p>The WolfVision Connectivity-Software supports the standard Windows "Video Capture Driver", which can be activated in the preferences window. The "Video Capture Driver" is like a "Twain driver for live video". You can view, edit and save live images from the Visualizer on your computer in almost every modern video editing software (e.g. Windows Movie Maker, Adobe Premiere etc.) or you can use the live video stream in a video conferencing software like Netmeeting.</p> <p>Important: Video Capture Driver is not available under Windows Vista!</p>
13.		Firmware updates		 <p>WolfVision Visualizers are the only units on the market that offer an upgradeable firmware. This allows new features and technical improvements to be added at no cost. Firmware Updates can be made very quickly and easily through the WolfVision Connectivity-Software. Just download the new firmware from our firmware update page to your harddisc, start the WolfVision Connectivity-Software, go to Extras-Firmware Updates and apply the update to your Visualizer.</p> <p>The title bar of the Connectivity-Software always shows the installed firmware version and serial number of the connected Visualizer. Firmware files are validated, so users are unable to upload any incorrect firmware files.</p>

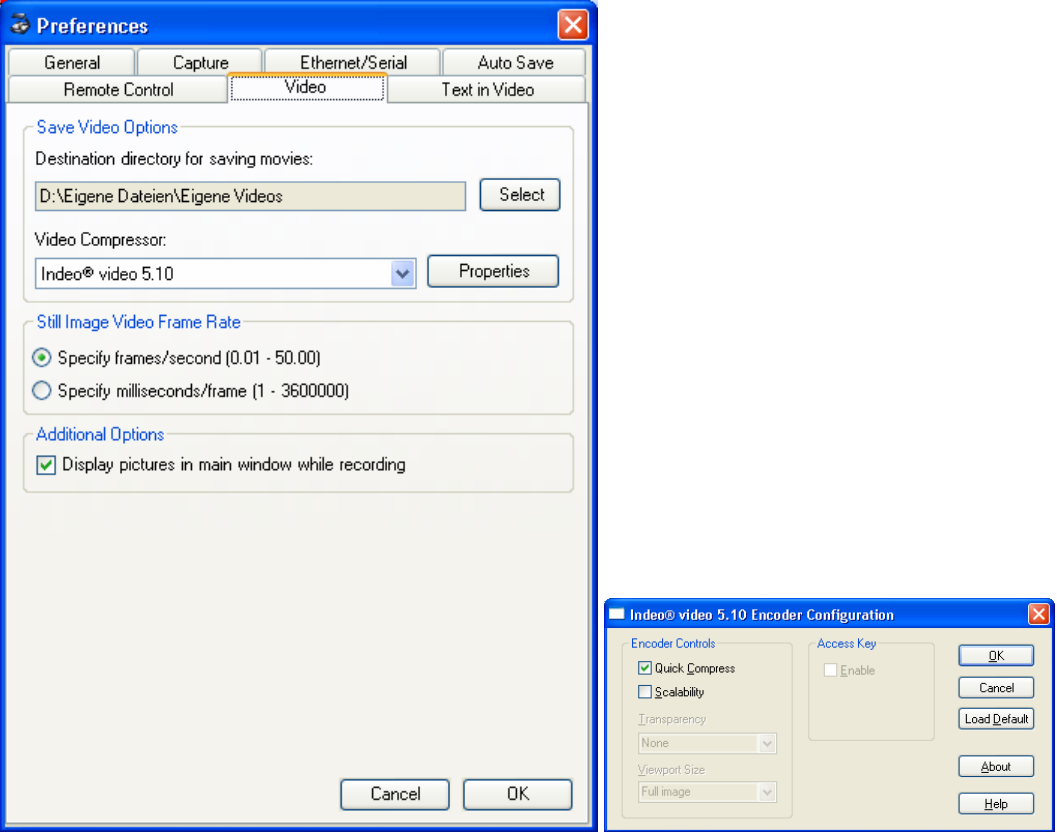
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
14.		Settings from Preferences dialog	Open Preferences and go to General	 <p>In this section the user can define the default directories for saving pictures and firmware files. Another option to choose is that the Connectivity-Software can automatically check if there are updates available. When activating the checkbox Enable Video Capture Driver the live images from the Visualizer/Camera can be used in various other applications (Video Capture Driver is not available under Windows Vista).</p>

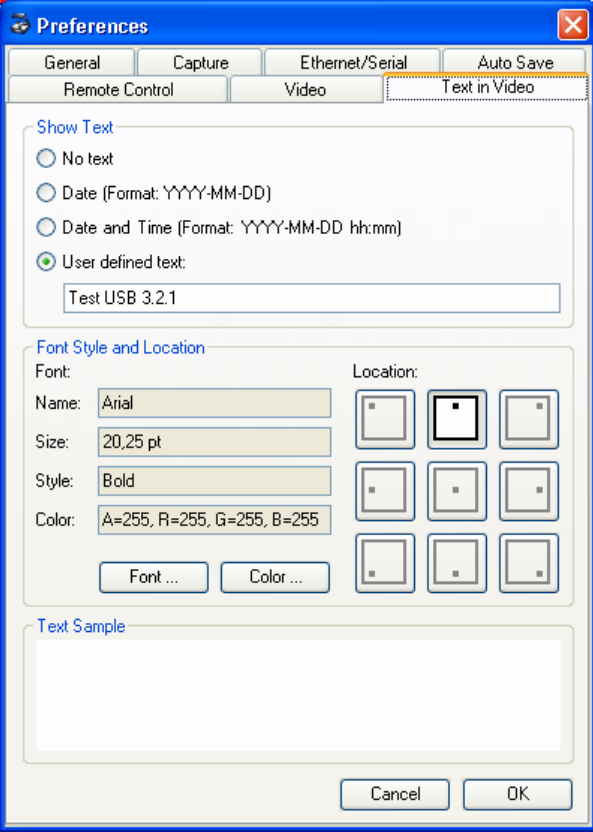
#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
15.		Settings from Preferences dialog	Open Preferences and go to Capture	 <p>Choose resolution for capturing still and live images, dependant on customer application and expectations. Especially in Continuous Mode it is a matter of resolution versus frame rate. Higher resolution means lower frame rate due to the limited bandwidth of USB 2.0 (max. 480 MBit/sec).</p> <p>A lower resolution like VGA (or Preview mode) will result in a faster frame rate in Continuous mode. In this section the user can also choose the compression of the picture transmission, detail level and Display mode. It is also possible to activate the Trigger Mode of the EYE-12.</p> <p>Important: Different resolutions and a JPG-compression are only supported from WolfVision Visualizers/Cameras introduced after July 2007 (like EYE-12). Otherwise there is just the choice between Fullview (means native resolution) and Preview mode (50% of native resolution).</p>

#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
16.		Settings from Preferences dialog	Open Preferences and go to Ethernet/Serial	 <p>In this section the user can choose which connection shall be used to establish the communication with WolfVision Visualizers/Cameras.</p>

#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
17.		Settings from Preferences dialog	Open Preferences and go to Auto Save	 <p>In this section the user can define the default directory for autosaving pictures. Another option to choose is if pictures should be saved after pressing a designated button, after a certain time or when pictures are captured with the Monitor icon. Various settings like standard file name, format and quality of captured and saved pictures can be also defined from the user.</p>

#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
18.		Settings from Preferences dialog	Open Preferences and go to Remote Control	 <p>In this section the user can define the layout of the remote control. There is either a WolfVision layout available or the remote control can appear as Windows toolbar. The user can customize how many and which functions are visible at the monitor.</p>

#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
19.		Settings from Preferences dialog	Open Preferences and go to Video	 <p>In this section the user can define the default directory for saving movies. Another option to choose is the codec (video compressor) which is used to create the movie.</p> <p>Important: WolfVision recommends Indeo® video codec to achieve best results regarding quality and performance! Please activate Quick compress (open Properties and then activate check box) to achieve best performance.</p>

#	Object	Feature/Topic	What to do...	Screenshot / Argumentation or Story
20.		Settings from Preferences dialog	Open Preferences and go to Text in Video	 <p>In this section the user can define if a text should be displayed in recorded movies. Various options are available.</p>