

VZ-8light³ and VZ-8plus³

Quality imaging
you can trust.



Setting a High Standard

VZ-8light³ and VZ-8plus³ Desktop Visualizers



WolfVision is a globally successful family owned company based in Austria/Europe. As 'technology leader' in the Visualizer market, WolfVision is the company that sets the worldwide standards of product quality, innovation, reliability and ease of use.

WolfVision's popular VZ-8 series Visualizers have become a worldwide standard in a large number of universities, schools and enterprises in recent years. Now in its third generation, the VZ-8 series provides the same high quality imaging, ease of use and reliability as can be seen throughout the entire WolfVision product line.

The Visualizer VZ-8light³ includes all the basic features that every user requires. The Visualizer VZ-8plus³ comes in the same housing but with additional features.

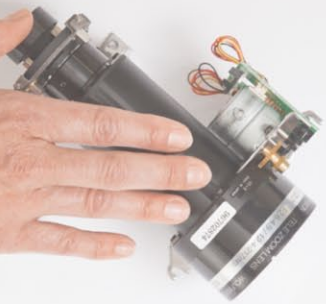
More detailed feature descriptions,
photos and 3D animation at

www.wolfvision.com



Long Lifetime

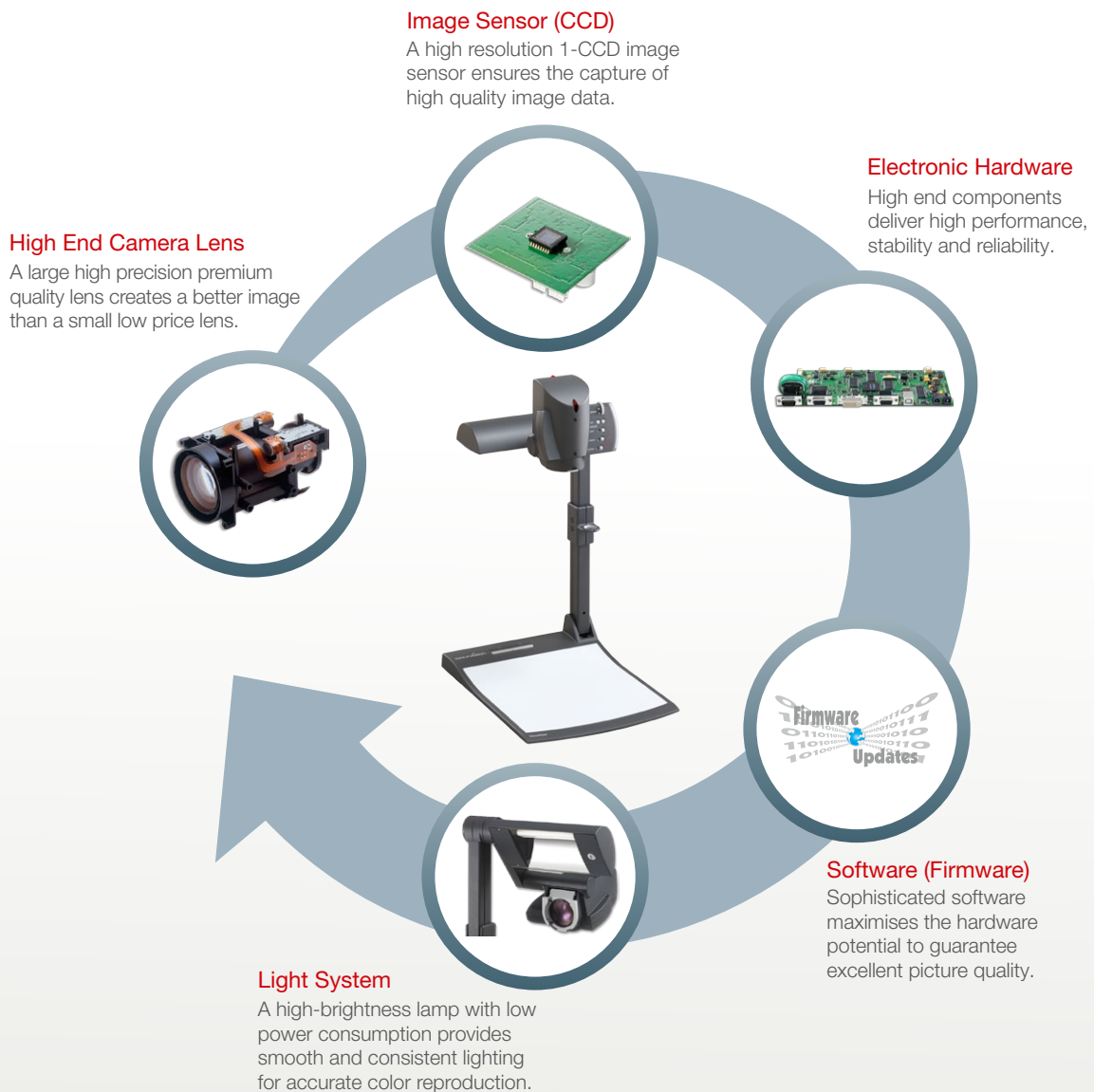
Our customers appreciate the exceptional mechanical quality and solid design of WolfVision Visualizers. They are built to last for a very long time.



Outstanding Picture Quality

WolfVision Visualizers have always been famous for their outstanding picture quality, which is due to a perfect mix of high end components and remarkable know-how. Perfect picture quality means high resolution throughout the whole picture (including the edges). It means lifelike colors, a high frame rate, fast and precise auto focus, smooth zooming, an overall distortion free picture, even lighting without reflections or hot spots and much more.

WolfVision's high priority on perfect picture quality can be seen throughout the entire Visualizer product line - from entry level models right through to the top of the range units. The picture quality of a Visualizer or camera can only be as good as it's weakest component. Five basic elements are responsible for perfect picture quality:



Main Features

Large Zoom Range

A large optical zoom range is one of the most important features of a Visualizer, because only an optical zoom can pick up objects in full resolution.

WolfVision's 12x optical zoom offers the possibility to pick up objects as large as an open book and as small as a postage stamp in full size to fill the screen. For enlarging even smaller objects the Visualizer also offers 2x digital zoom.

No Light Adjustments Necessary

The light system is optimized for the working surface, so there is never any need to make any light adjustments.

Internal Image Memory

9 images can be stored by the VZ-8plus³ and then recalled by simply pressing one of the numerical keys on the remote control.

High End Camera

A high definition 1-CCD camera with native image formats of SXGA-, WXGA and 720p HD, gives 750 lines of visible resolution in every part of the picture, including the edges as WolfVision only uses high-end camera lenses in its Visualizers.

Reflection Free Working Surface

Due to the intelligent design of the Visualizer housing, the entire working surface is completely reflection free.

Easy To Use / Zoom Wheel

For smooth presentations, it is very important that a Visualizer is extremely easy to use. Less experienced users only need to use the zoom wheel on top of the camera head (or the zoom keys on the remote control) as everything else (focus, iris etc) is adjusted automatically.

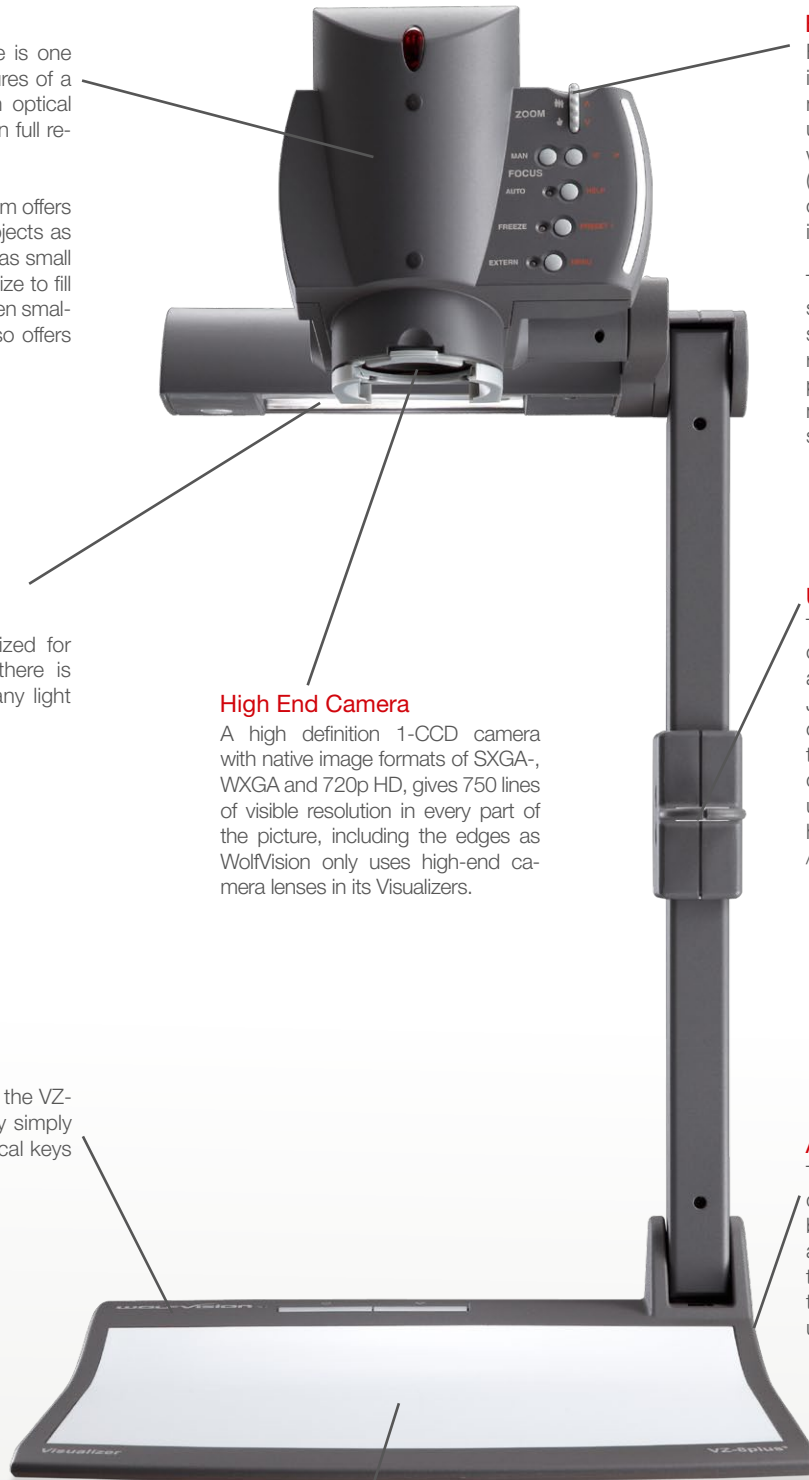
The zoom wheel offers the possibility to zoom with two different speeds, and continuous autofocus recognizes all objects quickly and precisely. As a result, a presenter never needs to worry about focusing.

Unique Folding System

The Visualizer can be set up in seconds. A gentle tug lifts the arm and light into the working position. Just as easily, it folds back into its compact size with just one pull on the centre ring, to be neatly stored, during or after a presentation. The units fit perfectly in a drawer. The height when folded is only 122mm / 4.8".

Anti-theft Devices

The Visualizer has two anti-theft devices. There is a thread on the bottom of the working plate for attaching the unit to a table with the supplied table lock bolt. Additionally, T-Lock devices can also be used.



Innovative Design



220° Tilt Range of Camera

Not many Visualizers can record outside of the working surface because tilting the camera and light requires high-grade mechanical components. The VZ-8 series camera can be tilted 100° towards the audience and 120° towards the speaker:

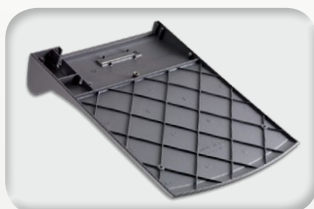
- The VZ-8 Series can be used like a video camera to record people, large objects or pictures in a room that are behind the unit, or when objects on the working surface need to be shown from the side.
- Alternatively the camera can be tilted to record the speaker, or charts on a wall in front of the Visualizer (Image Flip inverts the recording 180° automatically, otherwise it would be upside down).



Firmware Updates

Firmware updates allow new features and technical improvements to be added at no cost! Downloading firmware updates from the internet and uploading them onto a Visualizer can be completed in 2-3 minutes, using the latest version of WolfVision's

Connectivity Software. Firmware updates can be made using the serial (RS232) or USB port of the Visualizer. WolfVision engineers are constantly working on new features and improvements to keep your units up-to-date with the technology of tomorrow.



Outstanding Mechanical Quality and Long Lifetime

Outstanding mechanical quality and durability are basic requirements for all WolfVision products. WolfVision units are solid and not easily damaged. They are built to last for a very long time. If you want to check out the difference

in mechanical stability and reliability between a WolfVision Visualizer and any other document camera on the market, just "touch" the units. You will immediately "feel" the difference.

Advanced Connectivity

USB Device Port/Connectivity Software

The VZ-8 can be connected to a computer using the fast USB 2.0 port together with the WolfVision Connectivity Software or a WIA, Twain or video capture driver. The supplied Connectivity 2 Software allows for saving still images and

videos onto a PC or Mac, controlling the unit, updating the firmware, adding annotations, instant printing of screenshots and even streaming live images over a network.



External Controlling

A wide range of connectivity options ensures that effective external controlling is possible. Serial RS232, USB, and infrared connections (VZ-8plus³) can be used

to control the Visualizers from external devices, such as a room control system, a videoconferencing system or a computer.



Computer Input

During a presentation, the External key of the Visualizer can be used to switch between Visualizer images and computer images from a PC that is connected to the ex-

ternal input of the Visualizer. There is no need to use a separate remote control from a projector or monitor in order to switch image sources.



Additional Features of VZ-8plus³

The Visualizer VZ-8plus³ is supplied with an infrared remote control. It offers some additional functions like three user programmable presets, laser pointer,

image turn, manual iris, 9 image memory and easy navigation for onscreen menu and help.



More detailed feature descriptions, photos and 3D animation at

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Technical Data

	VZ-8light ³	VZ-8plus ³
Camera	1-CCD 1/3" Progressive Scan	1-CCD 1/3" Progressive Scan
Pictures per second (as picked up by the camera)	30 frames (in all resolutions)	30 frames (in all resolutions)
Effective Pixel (=pixels actually used for image information)	1280 x 960 (=1,228,800)	1280 x 960 (=1,228,800)
Total pixels of CCD(s)	1,320,000	1,320,000
Pixels processed per second (=effective pixels x frames per sec.)	36,864,000	36,864,000
Color reproduction / precision	very good colors (sRGB color precision)	very good colors (sRGB color precision)
Native signal output	SXGA- (1280x960), WXGA (1280x800) and 720p HD (1280x720)	SXGA- (1280x960), WXGA (1280x800) and 720p HD (1280x720)
Converted output signals (4:3 and 5:4)	XGA (1024x768)	SXGA+ (1400x1050), SXGA (1280x1024), XGA (1024x768), SVGA (800x600), PAL and NTSC
Converted Widescreen output signals (16:9 and 16:10)	WXGA (1360x768)	WXGA (1360x768) and WXGA+ (1440x900)
Resolution (measured)	750 lines	750 lines
Resolution in Image Turn mode	-	960 lines
Image Turn mode (for increased resolution when picking up large portrait pages)	-	yes
Image Rotation	-	90, 180 and 270 degrees
Vertical image-frequency	60 Hz	50 and 60 Hz
Horizontal image-frequency	45 - 60 kHz	15.7 and 37.9 - 65.2 kHz
Signal format	non-interlaced	non-interlaced and interlaced
Iris	automatic (manual in on-screen menu)	automatic and manual
White balance adjustment	automatic and manual	automatic and manual
Autofocus / Speed	yes (continuously working, high speed)	yes (continuously working, high speed)
Manual focus	yes	yes
Text Enhancer	yes	yes
On screen menu and on screen help	yes	yes
Firmware Updates via	USB, RS232	USB, RS232
Zoom / Lens	24 x zoom (12x optical + 2x digital), with 2-speed zoom wheel	24 x zoom (12x optical + 2x digital), with 2-speed zoom wheel
Max. pick-up area on working surface	230mm (9.6") in tele position 370mm (15") in wide	230mm (9.6") in tele position 370mm (15") in wide
Max. pick-up area on working surface	length: 276mm (10.9"), width: 370mm (14.6")	length: 276mm (10.9"), width: 370mm (14.6")
Max. pick-up area on working surface in Image Turn mode	-	length: 370mm (14.6"), width: 276mm (10.9")
Min. pick-up area on working surface (full resolution, optical zoom)	33 x 25 mm (1.3" x 1")	33 x 25 mm (1.3" x 1")
Min. pick-up area on working surface (with digital zoom)	17 x 13 mm (0.7" x 0.5")	17 x 13 mm (0.7" x 0.5")
Max. pick-up area outside of working surface	unlimited	unlimited
Depth of focus on small object (42 x 33 mm)	10mm (0.4")	10mm (0.4")
Depth of focus on large object (360 x 270 mm)	260mm (10.2")	260mm (10.2")
Tilt range of camera	220° (120° to speaker + 100° to audience)	220° (120° to speaker + 100° to audience)
Blinding of audience or speaker	none	none
Light source	long life high frequency fluorescent lamp, average lifetime 10,000 hours, 9W, 48V	long life high frequency fluorescent lamp, average lifetime 10,000 hours, 9W, 48V
Connectivity Software (USB/LAN, for controlling, image and video capturing and firmware updates)	included (for Windows and Macintosh, Twain compatible, with video capture driver)	included (for Windows and Macintosh, Twain compatible, with video capture driver)
Reflection free area on working surface (suitable for transparencies)	whole working surface	whole working surface
Recordings outside of the working surface	yes (to the back and to the front of the unit)	yes (to the back and to the front of the unit)
Automatic image flip	yes (for recordings to the front of the unit)	yes (for recordings to the front of the unit)
Intelligent folding system	pneumatic arm, 2-step set up	pneumatic arm, 2-step set up
User programmable presets	1 (plus 2 programmable and 8 fixed through RS232)	3 (plus 8 fixed presets through RS232)
Slide pick-up	with optional lightbox	through slide drawer on camera head
External computer input / Input switch	yes (15-pin D-Sub/VGA plug)	yes (15-pin D-Sub/VGA plug)
Image memory	1 image freeze	9 pictures
"Show all" function (9 picture split-screen)	-	yes
Alternative Image display	negative / negative-blue / black & white	negative / negative-blue / black & white
Y/C (=S-video) output	-	one (converted Prog.Scan), 4-pin
Composite video outputs	-	one (converted Prog.Scan), RCA
RGB output	one (15-pin D-Sub/VGA-plug)	one (15-pin D-Sub/VGA-plug)
DVI output	DVI-D (digital)	DVI-D (digital)
HDMI output	when using a DVI-HDMI cable	when using a DVI-HDMI cable
USB port / standard	USB 2.0 device port	USB 2.0 device port
RS232 port (serial protocol with position setting and status report)	9-pin D-Sub	9-pin D-Sub
Weight	5 kg (11 lbs)	5 kg (11 lbs)
Infrared remote control	-	yes (with laserpointer)
Anti-theft device	T-Lock (Kensington® Lock) and table lock bolt	T-Lock (Kensington® Lock) and table lock bolt
Power (external power pack on portable units)	multi range 100-240 V, 60W, power consumption: 17W, weight: 0.3kg (0.6lbs),	multi range 100-240 V, 60W, power consumption: 19W, weight: 0.3kg (0.6lbs)
Dust cover	included	included
Warranty	5 years	5 years

All units made in the European Union (Austria)

Design and specifications subject to change!

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