

VZ-3 and VZ-3s Desktop Visualizers

Innovation in
presentation



Unique Design Concept

VZ-3 and VZ-3s Desktop Visualizers



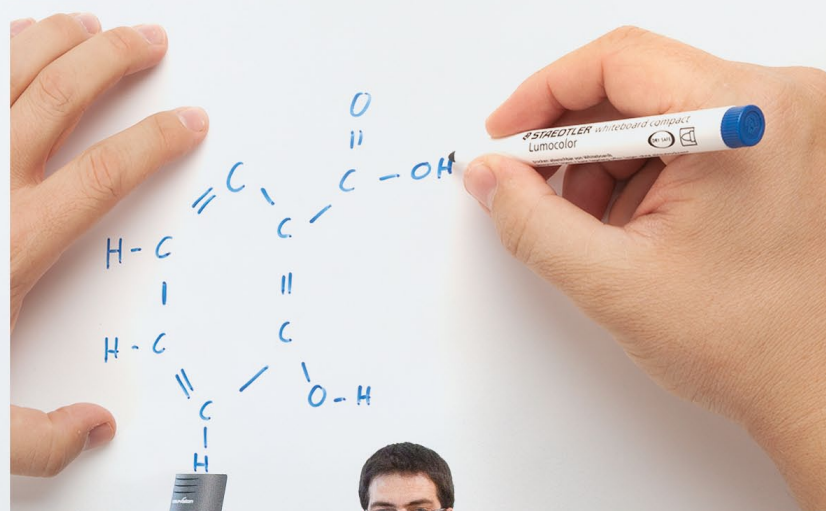
WolfVision is a globally successful family owned company based in Austria/Europe. As 'technology leader' in the Visualizer market, WolfVision is the company that sets the worldwide standards of product quality, innovation, reliability and ease of use.

WolfVision's entry level VZ-3 and VZ-3s Visualizers include all the standard features that every user requires, and feature a unique new eye-catching design where the camera, light system and electronic hardware are integrated into the Visualizer arm.

The VZ-3s is the same unit as the VZ-3, except that it is supplied without a working surface. Instead, it features a unique space-saving 'swivel plate' which attaches directly to a tabletop or podium surface, providing even greater installation and integration options.

Outstanding Mechanical Stability and Long Lifetime

Outstanding mechanical quality and durability are basic requirements for all WolfVision products. WolfVision units are solid, durable and reliable. They are built to last for a very long time.



Excellent Image Quality

WolfVision Visualizers have always been well-known 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 autofocus, smooth zooming, an overall distortion free picture, even lighting without reflections or hot spots and much more.

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 a need to make any light adjustments.

The light system has an extremely long lifetime of 30,000 hours, which can be considered as maintenance free for most installations. The light of the Visualizer is focused on the working surface. Neither the speaker nor the audience will be blinded in a darkened room, and there is no stray light from the Visualizer on the projection screen.

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 arm as everything else is adjusted automatically.

The autofocus works continuously to ensure that the presenter never needs to worry about focusing.

High Resolution Camera

WolfVision's VZ-3 Visualizers feature a high definition 1-CCD camera with 30 frames per second and sRGB color precision. They can output native resolutions in SXGA-, WXGA, and 720p HD formats.

All current projectors, monitors or plasma displays on the market can display at least one of these output standards. Smoothness of motion is guaranteed as all WolfVision Visualizer models can pick up 30 pictures (frames) per second in every resolution.

Dry-Erase Working Surface

A dry-erase working surface is available for the VZ-3 Visualizer as an optional accessory. When used, it enables a speaker to write directly onto the working surface during a presentation, enabling the Visualizer to be used spontaneously as a whiteboard or "digital flip chart."

Anti-theft Devices

The VZ-3 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 (VZ-3 only). Additionally, T-Lock (Kensington® Lock) devices can also be used.



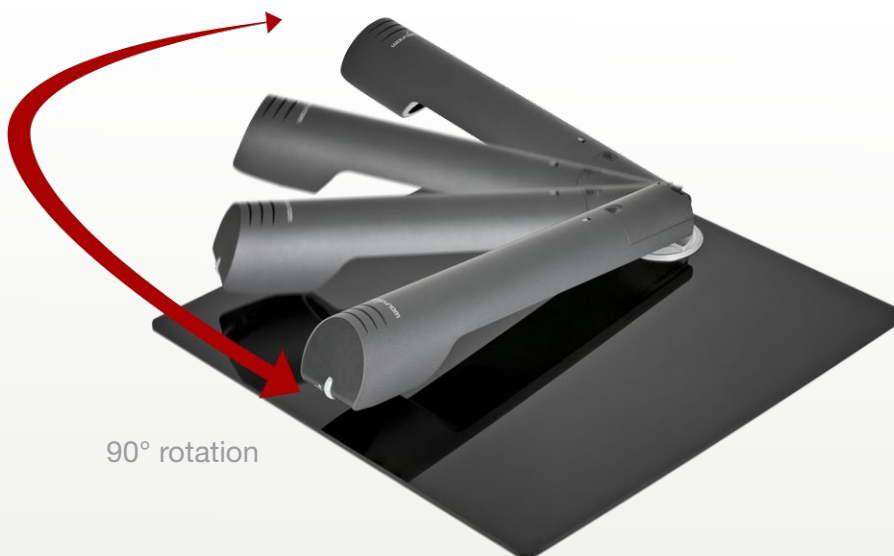
VZ-3s - Space-Saving Visualizer Solution

Installation Flexibility

The VZ-3 Visualizer is a highly compact and portable unit which can easily be used to serve a number of different rooms. The VZ-3s is the exact same unit, but it is supplied without a working surface and is designed to be used as a fixed installed unit.

The VZ-3s can be mounted directly onto a desktop or podium using the supplied 'swivel plate' which gives the added advantage that the unit can be rotated sideways through 90°. This facilitates easy storage and keeps the desktop surface area completely obstruction-free.

The VZ-3s is particularly useful if there are space restrictions, and it provides an additional installation option if the unit is required to fit into a particular room design. It is the ideal solution if the unit is to be installed on a podium.



Connectivity Options

USB Device Port/Connectivity Software

The VZ-3 and VZ-3s Visualizers 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

The VZ-3 and VZ-3s can be controlled from external devices, such as a room control system, a videoconferencing system or a computer via USB and LAN connections. Older devices with Serial RS232 port can be connected

using a Serial-LAN adapter from other manufacturers. The functionality of the LAN port is limited to controlling and Firmware updates.



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.



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 LAN 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.



More detailed feature descriptions, photos and 3D animation at

www.wolfvision.com

Technical Data

	VZ-3	VZ-3s
Technology	Progressive Scan	
Camera	1-CCD 1/3"	
Pictures per second (as picked up by the camera)	30 frames (in all resolutions)	
Effective Pixels (=pixels actually used for image information)	1280x960 (=1,228,800)	
Total pixels of CCD(s)	1,320,000	
Pixels processed per second (=effective pixels x frames per second)	36,864,000	
Color reproduction / precision	very good colors (sRGB color precision)	
Native signal output	SXGA- (1280x960), WXGA (1280x800) and 720p HD (1280x720)	
Converted output signals (4:3 and 5:4)	XGA (1024x768)	
Converted Widescreen output signals (16:9 and 16:10)	WXGA (1360x768)	
Resolution (measured)	710 lines	
Brightness control	automatic (manual in on-screen menu)	
White balance adjustment	automatic and manual	
Autofocus / Speed	yes (continuously working, high speed)	
Manual focus	yes	
Shutter	auto, manual, flickerless	
On screen menu and on screen help	yes	
Firmware Updates via	USB, LAN	
Zoom / Lens	24x zoom (12x optical + 2x digital), with 2-speed zoom wheel	
Max. object height on working surface	60mm (2.4") in tele position 320mm (12.6") in wide position	
Max. pick-up area on working surface	length: 300mm (11.81"), width: 400 mm (15.75")	
Min. pick-up area on working surface (in full resolution with optical zoom)	33x25mm (1.3" x 1")	
Min. pick-up area on working surface (with digital zoom)	17x13mm (0.7" x 0.5")	
Depth of focus on small object (42x33 mm)	10mm (0.4")	
Depth of focus on large object (360x270 mm)	260mm (10.2")	
Blinding of audience or speaker	none	
Light source	LED light system	
Connectivity Software (USB/LAN, for controlling, image and video capturing and firmware updates)	included (for 32- and 64-bit Windows and Macintosh, Twain/WIA compatible, video capture driver)	
Intelligent folding system	mechanical arm	
Special working surface for transparencies	yes	no
Swivel plate with 90° rotation	no	yes
Slide pick-up	with optional lightbox	
Bottom light	optional external lightboxes	
External computer input / Input switch	yes (15-pin D-Sub/VGA plug)	
Image memory	1 image freeze	
Alternative Image display	text enhancer / negative image / negative-blue image / black and white image	
RGB output	via DVI to VGA/RGB cable or adapter	
DVI output	DVI-I (digital)	
HDMI output	when using a DVI-HDMI cable	
USB standard / port	Mini-USB 2.0 Device-Port	
Ethernet / LAN port, IP-addressable	for controlling and firmware updates only	
RS232 port	no (if required external LAN to RS232 adapters can be used)	
Weight	3.5 kg (7.7 lbs)	2.08 kg (4.6lbs)
Operating temperature / relative humidity	0°-40°C (32°-104°F) / 40-60%	
Anti-theft devices	T-Lock (Kensington® Lock) and table lock bolt	T-Lock (Kensington® Lock)
Power	External power pack: multi range 100-240 V, 25.5W, power consumption 19.2W, Power over Ethernet plus (IEEE 802.3at standard)	
Warranty	5 years	

All units made in the European Union (Austria)

Design and specifications subject to change!

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