WOLFVISION®

VZ-3 Desktop Visualizer

Innovation in presentation

Unique Design Concept

VZ-3 Desktop Visualizer

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 Visualizer includes all the basic features that every user requires and provides the same high quality imaging, ease of use and reliability as can be seen throughout the entire WolfVision product line.
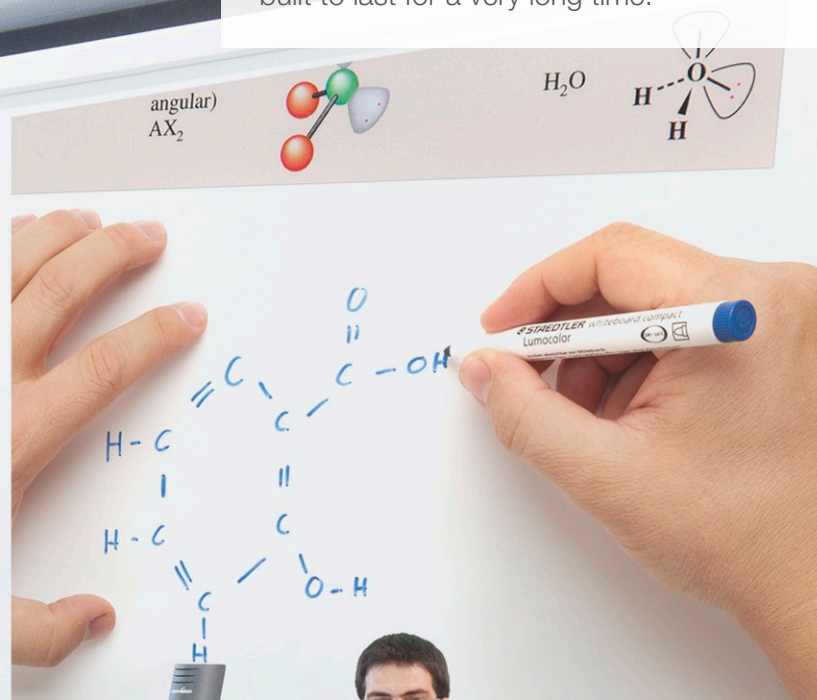
The Visualizer VZ-3 features a unique new eye-catching design concept where the camera, light system and electronic hardware are integrated into the Visualizer arm.

Long Lifetime

Schools and companies 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 colours, 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:

Image Sensor (CCD)
A high resolution 1-CCD image sensor ensures the capture of high quality image data

Camera Lens
A large high precision premium quality lens creates a better image than a small low price lens

Electronic Hardware
High end components deliver high performance, stability and reliability

Software (Firmware)
Sophisticated software maximises hardware potential to guarantee excellent picture quality

LED Light System
A high-brightness LED with low power consumption provides smooth and consistent lighting for accurate colour reproduction

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 (300 x 400mm / 11.81" x 15.75") and as small as a postage stamp (33 x 25mm / 1.3" x 1") in full size to fill the screen. For enlarging even smaller objects down to 17 x 13mm (0.7" x 0.5") 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.

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 Visualizer features a high definition 1-CCD camera with 30 frames per second and sRGB color precision. It 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.
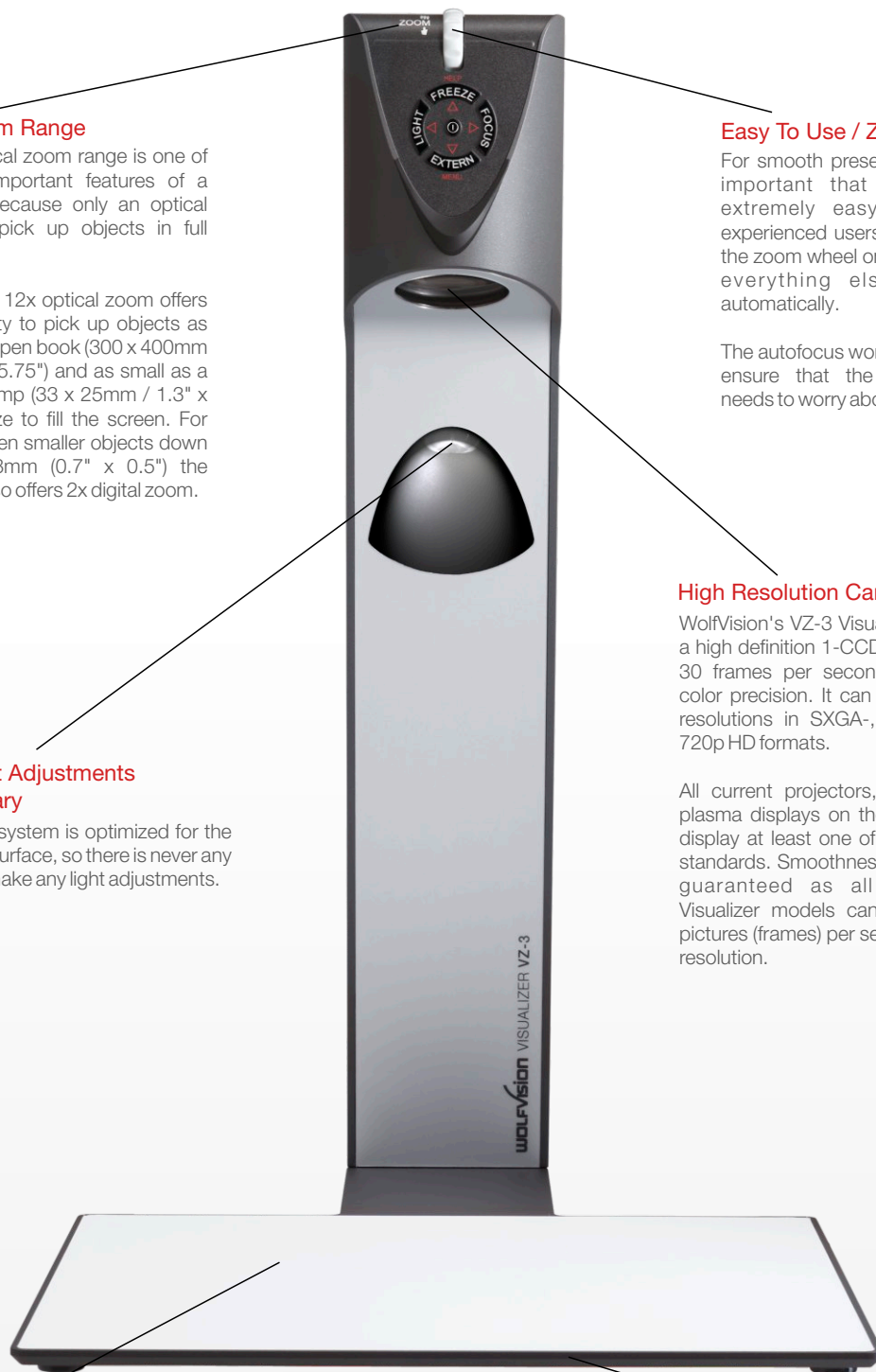
Dry-Erase Working Surface

The VZ-3 Visualizer comes with a dry-erase working surface. A speaker can 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 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 (Kensington® Lock) devices can also be used.

Additional Features

Flexible Installation Options

The innovative design of the VZ-3 brings a unique flexibility to Visualizer installation. The highly compact and portable unit can easily be used to serve a number of different rooms, or alternatively it can be used as a fixed installation without a working surface.

This additional possibility to remove the working surface is useful if there are space restrictions. It gives an additional option if the VZ-3 is required to fit into a particular room design, and it is the ideal solution if the unit is to be installed on a podium.

High Brightness LED Light System

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.

Outstanding Mechanical Stability 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.

Naturally Green
www.wolfvision.com/green

Connectivity Options

USB Device Port/Connectivity Software

The Visualizer 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 Visualizer 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 or Serial-USB adapter from other manufacturers. The functionality of the VZ-3 LAN port is limited to controlling and Firmware updates.

Computer Input

During a presentation, the Extern key of the Visualizer can be used to switch between Visualizer images and computer images from a PC that is connected to the external 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
Technology	Progressive Scan
Camera	1-CCD 1/3"
Pictures per second (as picked up by the camera)	30 frames (in all resolutions)
Effective Pixel (=pixels actually used for image information)	1280 x 960 (=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
Iris	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	24 x 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)	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")
Depth of focus on small object (42 x 33 mm)	10mm (0.4")
Depth of focus on large object (360 x 270 mm)	260mm (10.2")
Tilt range of camera	none
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, with video capture driver)
Reflection free area on working surface	whole working surface
Intelligent folding system	mechanical arm
User programmable presets	No
Special working surface for transparencies	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 or USB to RS232 adapters can be used)
Dimensions in operation (L x W x H)	488mm x 305mm x 505mm (19.2" x 12" x 19.9")
Dimensions folded (L x W x H)	560mm x 305mm x 135mm (22" x 12" x 5.3")
Weight	3,5 kg (7.7 lbs)
Operating temperature / relative humidity	
Anti-theft devices	T-Lock (Kensington® Lock) and table lock bolt
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) *The VZ-3 is only available in North America and Asia.* *Design and specifications subject to change!*

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