

VZ-9.4 Visualizer Systems



Driving Knowledge Creation

VZ-9.4F and VZ-9.4L Desktop Visualizer Systems



WolfVision is a worldwide provider of products and services to leading universities, businesses, schools, and other organizations. An acknowledged 'technology leader' in the Visualizer and presentation solutions market, WolfVision is the company that takes the lead, setting standards worldwide for innovative, reliable, user-friendly, high performance presentation solutions.

Our VZ-9.4 Series Visualizer systems offer highly effective imaging, enabling quick and efficient handling of multimedia presentation content. In addition to their impressive ability to display both 'live' material and external content from a wide variety of sources, VZ-9.4 Visualizers also feature onboard HD video recording with audio. The difference between the two models is that the VZ-9.4F features a 1080p HD camera, and the VZ-9.4L comes with a native WXGA/720p HD camera and Synchronized Lasermarkers for easy positioning of objects.

Our extensive knowledge and expertise across all application sectors enables us to offer comprehensive consultative guidance on customized combinations of Visualizer hardware systems, software, and accessories, which enhance communication, collaboration, and knowledge sharing across all environments. As part of each individual vSolution we offer not only pre-sales advice, but also post-sales support, training and service, ensuring that you receive maximum benefit from your investment.



+ 3D Model +



reddot design award
best of the best 2010



Our Vision

When you've got something to say, we believe it is important that getting your message across and making an impact should be as easy as possible.

Our aim is to help you to explain it better, to give you the freedom to share your knowledge and collaborate with others - however you want, and whenever you want, when your audience is in the same room or on the other side of the world.

**Because knowledge matters -
to all of us.**

Unique Features

Powerful HD Cameras

The VZ-9.4F has a 1-CMOS native 1080p HD camera with up to 60 frames per second. The VZ-9.4L has a 1-CCD HD camera with 30 frames per second and 720p HD and WXGA native image formats.

Large Zoom Range

16x optical zoom gives great flexibility in presentations - objects as large as an open book or as small as a postage stamp can easily be picked up, and for enlarging even smaller objects, a 4x digital zoom is also provided.

Easy to Use / Zoom Wheel

For basic operation, users only need to use the zoom wheel on top of the camera head (or the zoom keys on the remote control) as all other controls such as focus, brightness, etc., are adjusted automatically.

Power Over Ethernet Plus (PoE+)

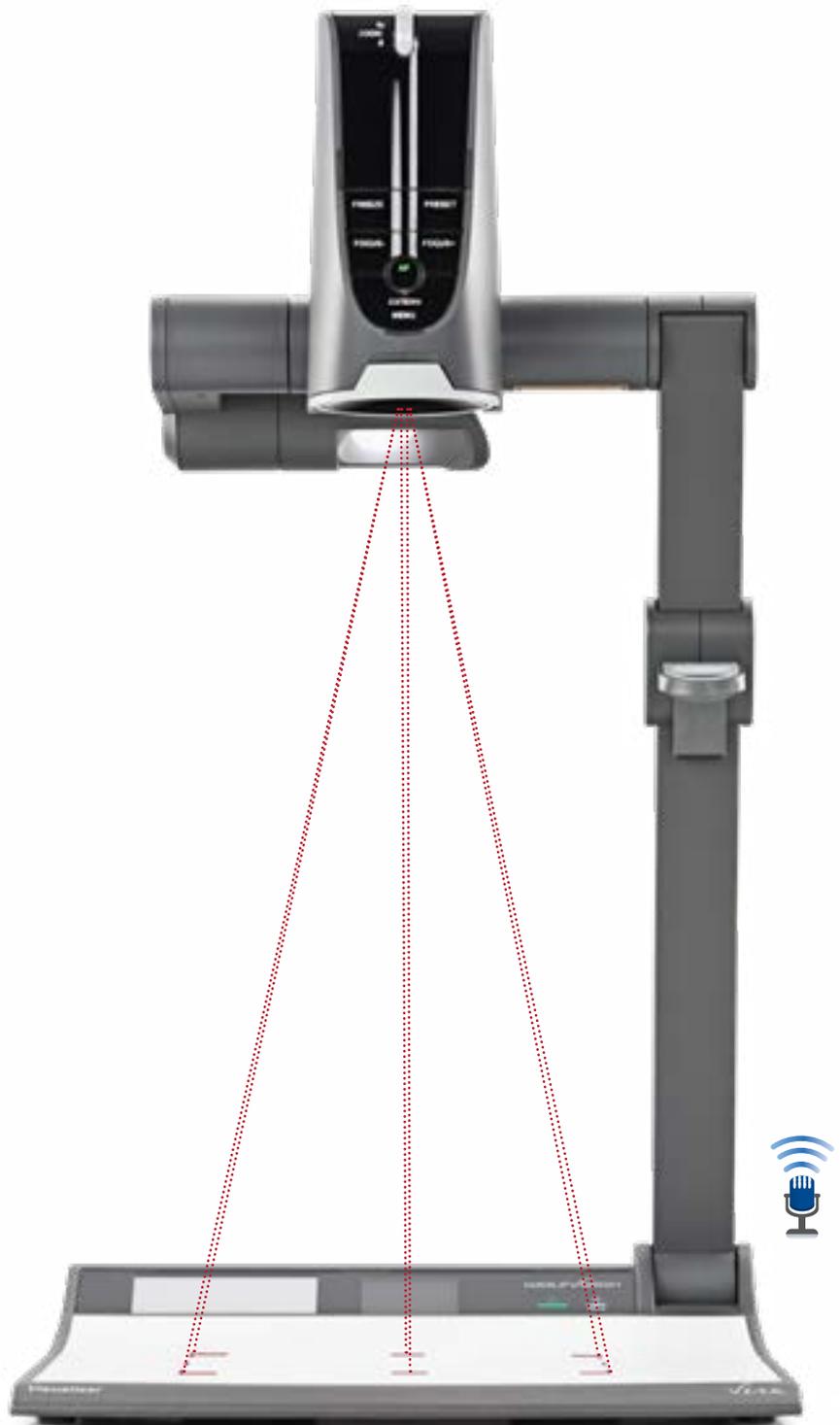
The LAN port provides Power over Ethernet Plus (PoE+), and is compatible with devices meeting the IEEE 802.3at standard. PoE+ is a popular way of saving on cables and installation costs.

Synchronized Lasermarkers (VZ-9.4L only)

Small dots of laser light, projected from the camera head onto the working surface mark the 16:9 edges of the pickup area of the camera. The lasermarkers are synchronized with the camera and adjust accordingly when zooming in and out.

Streaming options

Stream video and audio to computers, tablets or smartphones on the internal network or the internet using either H.264, Motion JPEG, or RTP Motion JPEG modes, ideal for sharing with remote meeting or lecture participants.



Built-In Microphone / Line In

A built-in microphone is provided for recording audio, and a line level input also allows for external audio sources to be recorded if required.

Large Preview Monitor

A built-in widescreen preview monitor makes it very easy to position objects correctly on the working surface.



Recording Made Easy

HD Video Recording

VZ-9.4F and VZ-9.4L Visualizers feature onboard recording functionality that allows entire presentations and lectures to be captured including the audio. They offer the quickest and easiest solution for in-house production of training videos or lecture capture. There's no need to set up a tripod, lights, microphones, or anything else. The VZ-9.4 Series Visualizers offer an impressive 'all-in-one HD recording solution'.

The easy-to-use interface requires no advanced technical knowledge, and by using the pause button, multiple segments of a presentation can be recorded and saved as a single file, eliminating the need for subsequent editing and time-consuming post-production.

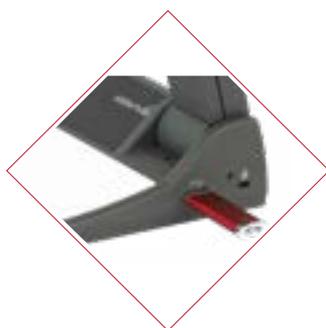
In addition to the built-in microphone, a line level input is also provided for situations where the capture of external audio is preferred.



Creating unique multimedia presentations

The recording functionality of the VZ-9.4 Series is not limited to the Visualizer's own camera and microphone. External content such as PowerPoint, digital images, webpages, PDF's, etc. from a PC or tablet connected to one of

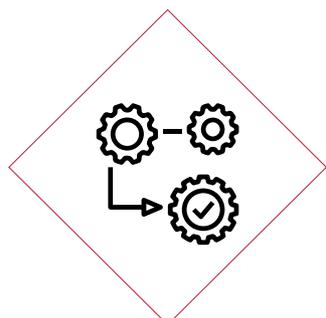
the Visualizer's HDMI In ports can be easily recorded together with voiceover audio in 720p HD resolution with a frame rate of up to 30 fps.



Flexible memory options

Recorded videos and pictures can be saved to the 8GB Visualizer system internal memory which has enough capacity to store thousands of images, or an average of 10 hours of video

footage (depending on the content). Alternatively USB sticks or external hard drives can also be used to provide additional storage space if required.



Remote management tools

Available for Windows Server and desktop PC, vSolution Link Pro software enables convenient remote management of Wolf-Vision systems across multiple

locations. It enables setup of local administrators, assignment of devices, monitoring of status, plus updating firmware for either single or multiple devices.

User-friendly Operation

More Recording Options - Rotating Camera Head!

VZ-9.4 Visualizer systems can record almost anywhere in front of or behind the unit. The rotating camera head allows recordings to be made from virtually any

angle, and high-grade mechanical components ensure a stable mount for the camera. This ensures shake-free recordings in all camera positions.



Write on your Visualizer!

Self-adhesive dry-erase working surfaces are available as optional accessory items. When fixed to the working surface you can write onto, and erase directly from the Visualizer working surface using

suitable whiteboard markers and erasers. This enables the Visualizer to be used as a whiteboard or 'digital flip chart', and of course this handwritten material can also be included in recordings.



Intuitive Positioning - Synchronized Lasermarkers

Positioning an object correctly on the Visualizer working surface whilst talking to an audience at the same time is not always easy! The VZ-9.4L is easier to operate than other Desktop Visualizers because its Synchronized Lasermarkers allow for simple 'one-step' positioning of objects. Placing items to be displayed between the laser guides

that clearly mark the exact pick-up area of the camera eliminates the need for a presenter to make multiple checks between object and preview monitor or display screen in order to confirm accurate positioning of materials. This unique and popular feature gives presenters the freedom to concentrate fully on their presentation and audience.



Technical specifications

VZ-9.4F

VZ-9.4L

Camera	1-CMOS 1/3" (60 frames per second in all resolutions)	1-CCD 1/3" (30 frames per second in all resolutions)
Effective pixels of camera sensor	1920x1080 (=2,073,600)	1280 x 960 (1,228,800)
Native signal output	1080p HD (1920x1080)	WXGA (1280x800), 720p HD (1280x720)
Converted output signals (4:3 and 5:4)	UXGA (1600x1200), SXGA (1280x1024), XGA (1024x768), SVGA (800x600)	
Converted widescreen output signals (16:9 and 16:10)	WUXGA (1920x1200), WXGA (1280x800), 720p (1280x720)	
Resolution (measured)	980 lines	860 lines
Brightness control & white balance adjustment	Automatic and manual	
Focusing modes	High speed Continuous Autofocus, Manual Focus	
Easy positioning of objects with "Synchronized Lasermarkers"	-	Yes
Built-in LCD preview monitor	Yes (93x52.7mm / 3.66"x2.07")	
On-screen menu and on-screen help	Yes	
Free firmware updates	Yes, via USB, LAN, USB stick, and vSolution Link Pro	
Zoom /Lens type	64x zoom (16x optical + 4x digital), zoom wheel with multiple speed	
Max. object height on working surface	230mm (9") in tele position 370mm (14.6") in wide position	
Max. pick-up area on working surface	16:9 aspect ratio: length: 225mm (8.86"), width: 400mm (15.75"), 4:3 aspect ratio: length: 300mm (11.81"), width: 400mm (15.75")	
Min. pick-up area on working surface (full resolution, optical zoom)	25x14mm (0.98" x 0.55")	25x19mm (0.98" x 0.75")
Min. pick-up area on working surface (with digital zoom)	6x3.4mm (0.23" x 0.13")	6x4.5mm (0.23" x 0.18")
Max. pick-up area outside of working surface	Unlimited	
Depth of focus on small object: (42 x 33 mm)	7mm (0.28")	10mm (0.4")
Depth of focus on large object: (360 x 270mm)	200mm (7.9")	260mm (10.2")
Tilt range of camera	290° (110° to speaker + 180° to audience)	
Light source	Maintenance-free high-brightness LED light system (high light output, low power consumption), lamp lifetime: 30,000 hours	
UVC (Windows, Linux & macOS), PTP (Picture Transfer Protocol)	Yes	
vSolution Link Pro software	Yes, for remote management & firmware updates (for Windows 10, Windows Server 2012 R2 & 2016, Windows Web Server, macOS)	
Reflection-free area on working surface	Yes, entire working surface	
Recordings outside of the working surface	Yes, to the back and to the front of the unit (automatic image flip for recordings to the front of the unit)	
Intelligent folding system	Articulated arm, 1-step set up	
User-defined settings on USB stick	Yes	
User programmable presets	3	
External computer input / input switch	Yes, 2x HDMI	
Seamless cross-fading between image sources	Yes	
Image memory	8GB internal memory + additional storage on USB stick or external hard drive	
Alternative image display	Negative image / negative-blue image / black and white image	
Connectors	2x HDMI In, 1x HDMI Out, RGB, IP-Addressable LAN Port 10/100 Mbps, USB Device Port, 3x USB Host Ports, Audio Line in, Audio Line out	
LAN streaming modes (multicast and unicast)	H.264, Motion JPEG, RTP Motion JPEG, including audio	
Onboard video recording including audio	Yes, (720p HD, up to 30 frames per second, AVI container, H.264 codec, .AVI file extension)	
Audio	Yes, (built-in microphone, audio Line In / Line Out)	
Advanced controlling with professional protocol	Yes, via LAN and USB	
Dimensions in operation (L x W x H)	408mm x 333mm x 637mm (16.1" x 13.1" x 25.1")	
Dimensions when folded (L x W x H)	408mm x 333mm x 155mm (16.1" x 13.1" x 6.1")	
Weight	5.9kg (13.05lbs)	
Anti-theft devices	T-Lock (Kensington® Lock), and table lock bolt	
Power	External desktop power pack: multi range 100-240 V, Max 25.5W, Power over Ethernet plus (IEEE 802.3at-2009 standard)	
Optional accessories	Dry erase working surface, carrying case	
Warranty / Made in	5 years / EU Austria	

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