

## VZ-8neo / VZ-8neo+ Visualizer Systems



# Driving the Creation of Knowledge

VZ-8neo / VZ-8neo+ Desktop Visualizer Systems



WolfVision is a provider of systems 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, and collaboration solutions.

VZ-8neo / VZ-8neo+ Visualizers offer quick and efficient handling of multimedia presentation content materials, and they can be customized using WolfVision feature packs, software, apps, and accessories, to provide an impressive all-in-one presentation solution. They deliver an outstanding 'live' imaging solution, whether used on their own, or in combination with our Cynap wireless presentation and collaboration systems.



With more than 40 years experience, our extensive knowledge and expertise across all application sectors enables us to offer comprehensive consultative guidance on customized combinations of hardware systems, software, apps, and accessories, which enhance communication, collaboration, and knowledge sharing across all environments. As part of each individual ✓Solution, WolfVision offers not only pre-sales advice, but also post-sales support, training, and service, ensuring that you receive maximum benefit from your investment.

Driving the Creation of Knowledge.





## 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.**

# High Performance Imaging

WolfVision Visualizers are well-known for their unrivalled imaging quality, which is due to the perfect combination of high quality components and remarkable expertise. Our systems deliver high resolution throughout the entire picture, true-to-life colors, and consistently high frame rates to ensure smoothness of motion. They have fast and accurate autofocus and zooming, giving high quality dependable results every time! High end lenses provide distortion-free images, and high tech lighting systems deliver smooth and consistent lighting without distracting reflections or hot spots.

WolfVision's state-of-the-art YSOP1 image processing engine enables the fast and efficient processing of high volumes of data ensuring the consistent real-time display of impressive high definition pictures, with unsurpassed levels of accuracy and detail.

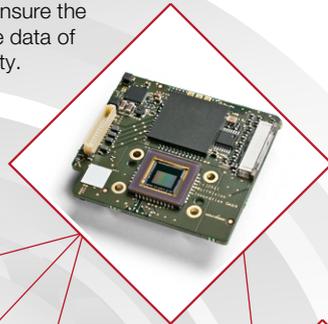
## High End Optics

Large premium quality lenses provide unrivalled imaging performance.



## Image Sensor

WolfVision's high resolution image sensors ensure the capture of image data of the highest quality.



## Software (Firmware)

Sophisticated software maximises the hardware potential to guarantee excellent picture quality.



## Electronic Hardware

High quality components deliver high performance, stability, and reliability.



## Light System



A high-brightness LED lamp with low power consumption provides smooth and consistent lighting for accurate color reproduction.



++ Video ++

# Key Features

## Large Zoom Range

The VZ-8neo and VZ-8neo+ Visualizers come with a powerful 24x zoom (12x optical and 2x digital), which can pick up objects as large as an open book or as small as a fingernail in full size to fill a display screen.

## Convenient Plug-And-Play

The USB 2.0 device port includes support for both Picture Transfer Protocol (PTP) and USB Video Class (UVC). This enables easy video capture, direct to third party video editing software, without the need to install additional drivers, and also provides access to the Visualizer internal memory from a file browser on a connected computer.

## Adjustment-Free Lighting

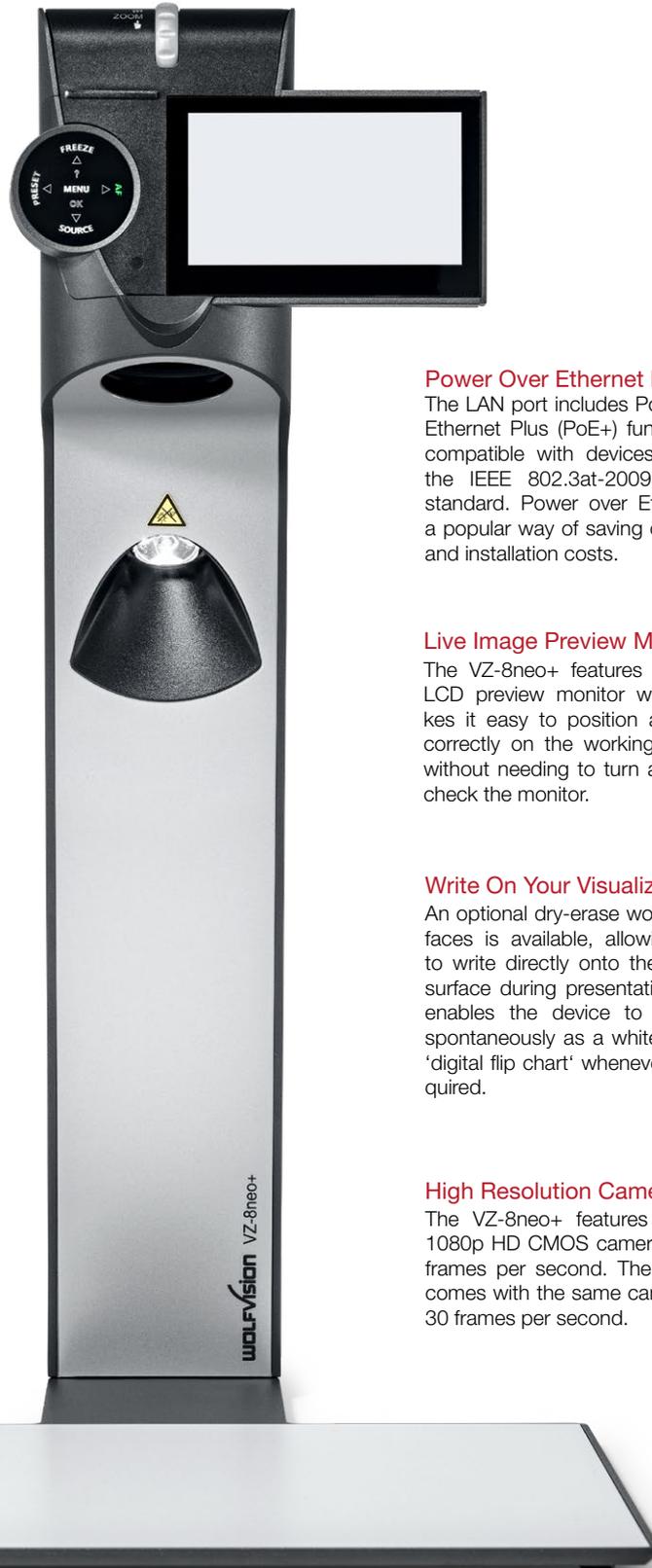
The light system is optimized for the working surface, so there is never any need to adjust the light. An extremely long lifetime of 30,000 hours can be considered as maintenance free for most installations.

## 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 (optional for VZ-8neo), as all other controls such as focus, brightness, etc., are adjusted automatically.

## Protect Your Investment

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.



## Power Over Ethernet Plus

The LAN port includes Power over Ethernet Plus (PoE+) functionality, compatible with devices meeting the IEEE 802.3at-2009 industry standard. Power over Ethernet is a popular way of saving on cables and installation costs.

## Live Image Preview Monitor

The VZ-8neo+ features a built-in LCD preview monitor which makes it easy to position an object correctly on the working surface, without needing to turn around to check the monitor.

## Write On Your Visualizer

An optional dry-erase working surface is available, allowing users to write directly onto the working surface during presentations. This enables the device to be used spontaneously as a whiteboard or 'digital flip chart' whenever it is required.

## High Resolution Camera

The VZ-8neo+ features a native 1080p HD CMOS camera with 60 frames per second. The VZ-8neo comes with the same camera with 30 frames per second.

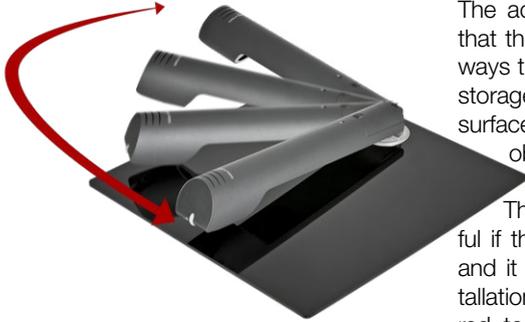
# Additional System Options

## Space-Saving Installation

VZ-8neo / VZ-8neo+ Visualizers are highly compact and portable systems that can easily be used to serve a number of different rooms. They are available either with or without an integrated working surface.

The versions without working plate enable permanent mounting directly onto a desktop or podium using the supplied 'swivel plate'. The added advantage of this, is that the unit can be rotated sideways through 90° facilitating easy storage, and allowing the desktop surface area to remain completely obstruction-free.

This option 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 an ideal solution if the unit is to be installed on a podium.



## Remote Feature Pack

The Remote Feature Pack for the VZ-8neo is a very useful optional upgrade for this popular model. In addition to the provision of an infrared remote control, the accompanying firmware upgrade also activates the 9 image internal memory, seam-

less cross-fading between image sources, and the USB host port (USB memory sticks can be used). The VZ-8neo+ is supplied with an infrared remote control and the other components of this feature pack as standard.



## BYOD Feature Pack

The BYOD Feature Pack provides a WLAN stick and firmware upgrade which enables wireless connectivity using either 2.4GHz or 5GHz channels. This allows for quick and easy con-

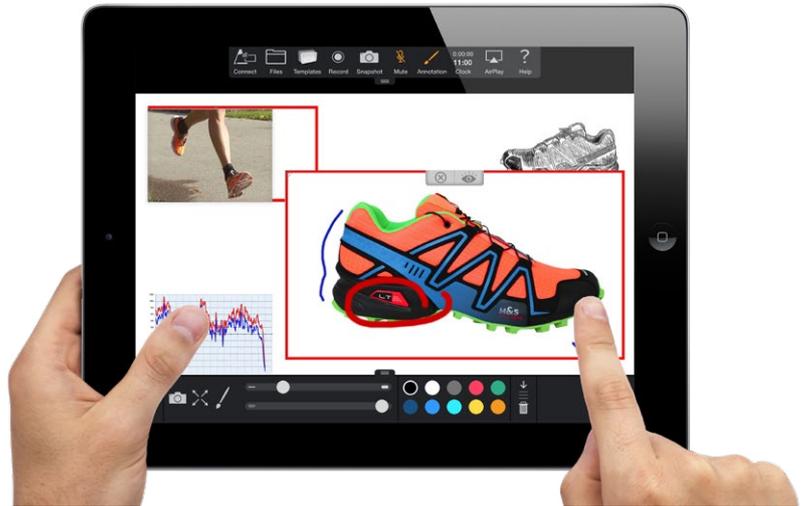
nection to wifi-enabled smartphones or laptops, and also enables our vSolution Connect app for tablets to be used in combination with these units.



# Bring Your Own Device

## ✓Solution Connect App for Tablets

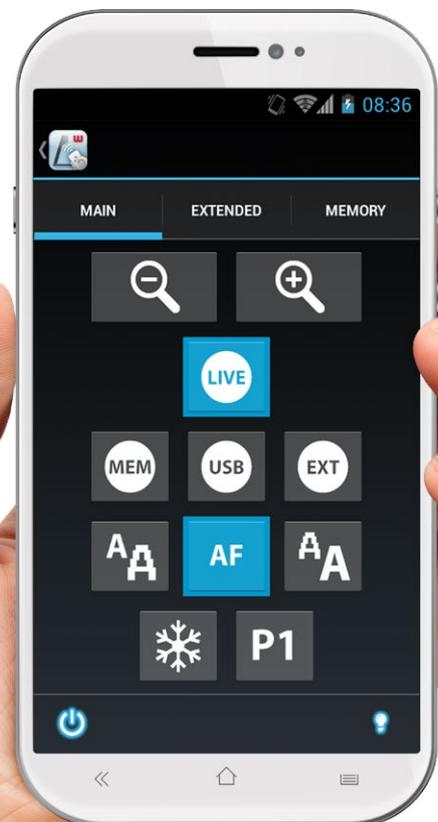
Sync your Visualizer with vSolution Connect, our powerful app for tablets. This app enables all media types, whether stored locally or in Dropbox, to be integrated into presentations, and controlled easily using a single device. A live image preview shows exactly what the audience sees on-screen, and wireless connectivity (with optional BYOD feature pack) allows content material to be controlled from anywhere in the room.



## ✓Solution Control for Smartphones

The vSolution Control app enables iPhone, Windows 8, Windows Phone 8 or Android devices to connect to the Visualizer via WLAN. This intuitive and easy-to-use app allows presenters to use the device keypad

and live image preview to wirelessly control a VZ-8neo / VZ-8neo+ Visualizer system during presentations and lectures.



## ✓Solution Link for PC and Mac

vSolution Link software allows a user to connect a computer directly to the Visualizer system. The software enables saving, printing and emailing of images, recording of videos, adding annotations and video streaming. It also provides useful tools for automatically applying firmware

updates, which helps to extend the life of your investment, and allows new features and technical improvements to be added at no cost!

## Creating Unique Multimedia Presentations

During a presentation, the 'Source' key on the Visualizer can be used to switch between Visualizer images and computer images from a PC that is connected to the external HDMI input of the Visualizer system. There is

no need to use a separate remote control from a projector or monitor in order to switch image sources.

# Technical Data

	VZ-8neo	VZ-8neo+
Camera	1-CMOS 1/3"	
Pictures per second (as picked up by the camera)	30 frames (in all resolutions)	60 frames in all resolutions
Effective pixels (=pixels actually used for image information)	1920x1080 (=2,073,600)	
Total pixels of camera sensor	2,073,600	
Pixels processed per second (=effective pixels x frames per sec)	62,208,000	124,416,000
Color reproduction / precision	Very good colors (sRGB color precision)	
Native signal output	1080p HD (1920x1080)	
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)	720p HD (1280x720), WUXGA (1920x1200), WXGA (1280x800)	
Resolution (measured)	980 lines	
Brightness control	Automatic and manual	
White balance adjustment	Automatic and manual	
Autofocus / Speed	Yes (continuously working, high speed)	
Manual focus	Yes	
Built-in LCD preview monitor	-	Yes
On-screen menu and on screen help	Yes	
Firmware Updates via	USB, LAN, USB stick	
Zoom / Lens	24x zoom (12x optical, 2x digital) variable-speed zoom wheel	
Lens type	Wide angle, 57mm, f4.7	
Max object height on working surface	120mm (4.7") in tele position 320mm (12.6") in wide position	
Max. pick-up area on working surface	Length: 290mm (11.42") Width: 400mm (15.75")	
Min. pick-up area on working surface (in full resolution with optical zoom)	33 x 26mm (1.3" x 1.0")	
Min. pick-up area on working surface (with digital zoom)	16 x 12mm (0.6" x 0.5")	
Depth of focus on small object: 66 x 36mm (2.6" x 1.4")	10mm (0.4")	
Depth of focus on large object: 360 x 270mm (14.1" x 10.6")	260mm (10.2")	
Light source	Maintenance-free high-brightness LED light system (high light output, low power consumption), lamp lifetime: 30,000 hours	
vSolution Link (USB/LAN, for controlling, image and video capturing, and firmware updates)	Included (for 32 and 64-bit Windows and Macintosh, Twain/WIA compatible)	
UVC driver for Windows, Linux, and OS X (Mac)	Yes	
vSolution Cynap compatible	Yes	
Reflection-free area on working surface	Whole working surface	
Intelligent folding system	Mechanical arm	
User defined settings on USB stick	Yes	
User programmable presets	1	3
Swivel plate with 90° rotation	Optional	
Special working surface for transparencies	Yes (not included with optional swivel plate version)	
Dry-erase working surface	Optional	
Slide pick-up	With optional lightbox	
External computer input / Input switch	Yes, HDMI (DVI via optional adapter cable)	
Seamless cross-fading between image sources	Optional	Yes
Live to Freeze Comparison (Picture in Picture)	Yes	Yes
Built-in digital scaler for the computer input	Yes (processes the signal from HDMI input for HDMI output)	
Image memory	1 image freeze (or 9 pictures in internal memory + unlimited number on USB stick with optional Remote Feature Pack)	9 pictures in internal memory + unlimited number on USB-stick
Alternative Image display	Negative image / negative-blue image / black and white image	
Connectors	1x HDMI in, 1x HDMI out, IP addressable LAN port, USB 2.0 mini device port (incl. PTP and UVC), USB 2.0 host port,	
Audio	-	Yes, line in, line out
Output	HDMI (DVI output via optional HDMI-DVI adapter cable)	
Ethernet / LAN port	Yes, with PoE+	
LAN streaming modes (multicast and unicast):	-	Yes, RTP H.264 + audio, RTP Motion JPEG + audio, Motion JPEG
LAN web interface	Yes	
Integrated WLAN (dual band stick for 2.4GHz & 5GHz)	Optional via BYOD feature pack	
Infrared remote control	Optional via Remote Feature Pack	Yes
RS232 port	- (if required external LAN to RS232 adapters can be used)	
Advanced controlling with professional protocol	Yes, via LAN and USB	
Dimensions in operation (L x W x H)	488mm x 305mm x 525mm (19.2" x 12" x 20.7")	
Dimensions when folded (L x W x H)	574mm x 305mm x 135mm (22.6" x 12" x 5.3")	
Weight	3.76kg (8.3lbs)	3.96Kg (8.74lbs)
Anti-theft devices	T-Lock (Kensington® Lock), and table lock bolt	
Power	External desktop power pack 12V: multi range 100-240V, 24W, Power over Ethernet Plus (IEEE 802.3at-2009 standard)	
Included accessories	Cable shield, power supply with cord 1.8m (5'11"), LAN cable 1.8m (5'11"), Mini USB cable 1.8m (5'11"), HDMI cable 1.5m (4'11")	
Warranty	5 years	

All units made in Austria, Europe.

Design and specifications subject to change!

Your WolfVision Partner:



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