

VZ-8light⁴ and VZ-8plus⁴

New Fourth Generation Visualizers

WolfVision's popular VZ-8 Series Visualizers have become a worldwide standard in a large number of universities, schools and enterprises in recent years. The new fourth generation VZ-8 Series units come with an elegant redesigned housing, and now feature a superb native 1080p camera. They provide the same high quality imaging, ease of use and reliability as can be seen throughout the entire WolfVision product line.

The Visualizer VZ-8light⁴ includes all the basic features that every user requires:

- 12x optical zoom + 2x digital zoom
- Native output resolution 1080p HD
- USB and LAN port
- High speed autofocus
- HDMI output
- Smartphone remote compatible
- 5 years warranty

Feature Pack for VZ-8light⁴

The VZ-8light⁴ can be upgraded to include the following additional features with the optional "Feature Pack":

- Infrared remote control
- Memory extension via USB stick
- 9 image internal memory
- Seamless cross-fading between image sources
- User defined Visualizer settings can be stored on USB stick
- Live to freeze comparison (Picture in Picture)

VZ-8plus⁴

The VZ-8plus⁴ has all the features of the VZ-8light⁴ with "Feature Pack" plus:

- LCD live preview monitor
- 60 frames per second
- H.264 video streaming via LAN



Technical Data

	VZ-8light ⁴	VZ-8plus ⁴
Camera	1-CMOS 1/3"	
Pictures per second (as picked up by the camera)	30 frames in all resolutions	60 frames in all widescreen resolutions (30 frames in all resolutions with 4:3 aspect ratio)
Effective Pixel (=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 (1920 x 1080)	
Converted output signals (4:3 and 5:4)	UXGA (1600x1200), SXGA + (1400x1050), SXGA (1280x1024), XGA (1024x768), SVGA (800x600)	
Converted Widescreen output signals (16:9 and 16:10)	720p HD (1280x720), WXGA (1280x800), WUXGA (1920x1200)	
Resolution (measured)	980 lines	
Brightness control/Exposure	automatic (manual in on-screen menu or with remote control of optional "Feature Pack")	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
Live to Freeze comparison (Picture in Picture)	optional (with "Feature Pack")	yes (still image is a small picture, integrated into the large live image)
On screen menu and on screen help	yes	
Firmware Updates via	USB, LAN, USB stick	
Zoom / Lens	24x zoom (12x optical + 2x digital), with 2-speed zoom wheel	
Max object height on working surface	120mm (4.7") in tele position 300mm (11.8") in wide	
Max. pick-up area on working surface	length: 300mm (11.8"), width: 400mm (15.8")	
Min. pick-up area on working surface (full resolution, optical zoom)	33x25mm (1.3" x 1")	
Min. pick-up area on working surface (with digital zoom)	17x13mm (0.7" x 0.5")	
Max. pick-up area outside of working surface	unlimited	
Depth of focus on small object (42 x 33 mm)	7mm (0.3")	
Depth of focus on large object (360 x 270 mm)	200mm (7.9")	
Tilt range of camera	220° (120° to speaker + 100° to audience)	
Light source	Maintenance free high-brightness LED light system (high light output, low power consumption), lamp lifetime: 30,000 hours	
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	
Recordings outside of the working surface	yes (to the back and to the front of the unit)	
Automatic image flip	yes (for recordings to the front of the unit)	
Intelligent folding system	pneumatic arm, 2-step set up	
User programmable presets	1 (3 presets with optional "Feature Pack")	3
User defined Visualizer settings on USB Stick	optional (with "Feature Pack")	yes
Special working surface for transparencies	yes	
External computer input / Input switch	yes, HDMI (DVI or DisplayPort via optional adaptor or cable)	
Seamless cross-fading between image sources	optional with ("Feature Pack")	yes
WolfVision image processing engine "Ysop 1"	yes	
Image memory	1 image freeze (or 9 pictures in internal memory + unlimited number on USB-stick with optional "Feature Pack")	9 pictures in internal memory + unlimited number on USB-stick
Alternative Image display	negative / negative-blue / black & white	
RGB output	one (15-pin D-Sub/VGA-plug)	
DVI output	- (via optional HDMI-DVI cable or adaptor)	
HDMI output	yes	
USB port / standard	USB 2.0 device port (plus USB-Host port with optional "Feature Pack")	USB 2.0 device port and USB 2.0 host port
RS232 port (serial protocol with position setting and status report)	- (if required external LAN to RS232 adaptors can be used)	
Ethernet/LAN port	yes, with PoE	
LAN web interface	yes	
LAN streaming modes (multicast and unicast)	-	H.264, motion JPEG, RTP motion JPEG
Advanced controlling with professional protocol via LAN & USB	yes, via LAN and USB	
Weight	5 kg (11 lbs)	
Infrared remote control (including laserpointer)	optional infrared (with "Feature Pack")	yes
Anti-theft device	T-Lock (Kensington® Lock) and table lock bolt	
Power (external power pack on portable units)	External power pack: multi range 100-240 V, power consumption: 16W in full operation and between 0.5W and 6.6W in standby modes (adjustable), Power over Ethernet plus (IEEE 802.3at standard)	
Dust cover	included, carrying case optional	
Warranty	5 years	

All units made in the European Union (Austria)

Feature Pack available 2013

Preliminary Specification. Design and specifications subject to change!

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