

## VZ-8light<sup>4</sup> and VZ-8plus<sup>4</sup>

### 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-8light<sup>4</sup> 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-8light<sup>4</sup>

The VZ-8light<sup>4</sup> 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-8plus<sup>4</sup>

The VZ-8plus<sup>4</sup> has all the features of the VZ-8light<sup>4</sup> with "Feature Pack" plus:

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



# Technical Data

|  | VZ-8light <sup>4</sup>   | VZ-8plus <sup>4</sup>  |
|--|--|--|
| 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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