

**VZ-8plus<sup>3</sup>**  
**VZ-8light<sup>3</sup>**

**WOLFVISION<sup>®</sup>**  
*Visualizer*

## New Features of the Third Edition

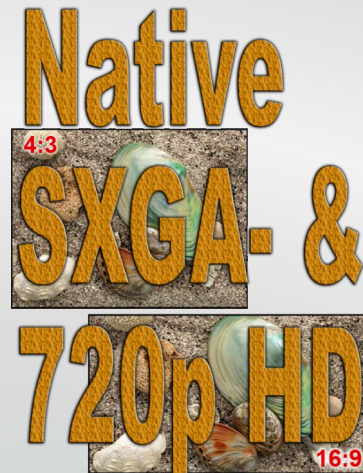
WolfVision's popular VZ-8 series Visualizers have become a worldwide standard in a large number of universities, schools and enterprises in recent years.

In June 2008, WolfVision introduces the third generation of the VZ-8 Visualizers. The names VZ-8plus and VZ-8light remain unchanged, only the suspended number changes from 2 to 3 (indicating the "third generation").

The VZ-8plus<sup>3</sup> and VZ-8light<sup>3</sup> will be available in September 2008.

The most important new feature of the "third generation" is the up-grade to a higher resolution CCD camera with 1280 x 960 pixels and 30 frames per second (in every resolution). This is **native SXGA-resolution** with an aspect ratio of 4:3.

The camera also outputs **native 720p HD (High Definition)** with 1280 x 720 pixels at a widescreen aspect ratio of **16:9**.



The VZ-8plus<sup>3</sup> and VZ-8light<sup>3</sup> offer **750 lines of resolution**. Naturally these 750 lines are visible in every part of the picture, including the edges, as WolfVision only uses high-end lenses.

An additional upgrade for the VZ-8light<sup>3</sup>, when compared to the previous model VZ-8light<sup>2</sup>, is that it is now also equipped with a **DVI** port and can output some **widescreen** resolutions.

Just like the previous units, the new VZ-8 series Visualizers feature a very **sophisticated camera/light hinge** which provides a **large shooting area outside of the working surface**. The total tilt range of the camera is 220 degrees.



More details on: [www.wolfvision.com](http://www.wolfvision.com)

# Technical Data

	VZ-8light <sup>3</sup>	VZ-8plus <sup>3</sup>
Camera	1-CCD 1/3" Progressive Scan	1-CCD 1/3" Progressive Scan
Pictures per second (as picked up by the camera)	30 frames (in all resolutions)	30 frames (in all resolutions)
Effective Pixel (=pixels actually used for image information)	1280 x 960 (=1,228,800)	1280 x 960 (=1,228,800)
Total pixels of CCD(s)	1,320,000	1,320,000
Pixels processed per second (=effective pixels x frames per sec.)	36,864,000	36,864,000
Color reproduction / precision	very good colors (sRGB color precision)	very good colors (sRGB color precision)
Native signal output	SXGA- (1280x960) and 720p HD (1280x720)	SXGA- (1280x960) and 720p HD (1280x720)
Converted output signals (4:3 and 5:4)	XGA (1024x768)	SXGA+ (1360x1024), SXGA (1280x1024), XGA (1024x768), SVGA (800x600), PAL and NTSC
Converted Widescreen output signals (16:9 and 16:10)	WXGA (1360x768)	WXGA (1360x768)
Resolution (measured)	750 lines	750 lines
Resolution in Image Turn mode	-	960 lines
Image Turn mode (for increased resolution when picking up large portrait pages)	-	yes
Image Rotation	-	90, 180 and 270 degrees
Vertical image-frequency	60 Hz	50 and 60 Hz
Horizontal image-frequency	45 - 60 kHz	15.7 and 37.9 - 65.2 kHz
Signal format	non-interlaced	non-interlaced and interlaced
Iris	automatic (manual in on-screen menu)	automatic and manual
White balance adjustment	automatic and manual	automatic and manual
Autofocus / Speed	yes (continuously working, high speed)	yes (continuously working, high speed)
Manual focus	yes	yes
Text Enhancer	yes	yes
On screen menu and on screen help	yes	yes
Firmware Updates via	USB, RS232	USB, RS232
Zoom / Lens	24 x zoom (12x optical + 2x digital), with 2-speed zoom wheel	24 x zoom (12x optical + 2x digital), with 2-speed zoom wheel
Max. object height on working surface	230mm (9.6") in tele position 370mm (15") in wide	230mm (9.6") in tele position 370mm (15") in wide
Max. pick-up area on working surface	length: 276mm (10.9"), width: 370mm (14.6")	length: 276mm (10.9"), width: 370mm (14.6")
Max. pick-up area on working surface in Image Turn mode	-	length: 370mm (14.6"), width: 276mm (10.9")
Min. pick-up area on working surface (full resolution, optical zoom)	33 x 25 mm (1.3" x 1")	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")	17 x 13 mm (0.7" x 0.5")
Max. pick-up area outside of working surface	unlimited	unlimited
Depth of focus on small object (42 x 33 mm)	10mm (0.4")	10mm (0.4")
Depth of focus on large object (360 x 270 mm)	260mm (10.2")	260mm (10.2")
Tilt range of camera	220° (120° to speaker + 100° to audience)	220° (120° to speaker + 100° to audience)
Blinding of audience or speaker	none	none
Light source	long life high frequency fluorescent lamp, average lifetime 10,000 hours, 9W, 48V	long life high frequency fluorescent lamp, average lifetime 10,000 hours, 9W, 48V
Connectivity Software (USB/LAN, for controlling, image and video capturing and firmware updates)	included (for Windows and Macintosh, Twain compatible, with video capture driver)	included (for Windows and Macintosh, Twain compatible, with video capture driver)
Reflection free area on working surface	whole working surface	whole working surface
Recordings outside of the working surface	yes (to the back and to the front of the unit)	yes (to the back and to the front of the unit)
Automatic image flip	yes (for recordings to the front of the unit)	yes (for recordings to the front of the unit)
Intelligent folding system	pneumatic arm, 2-step set up	pneumatic arm, 2-step set up
User programmable presets	1 (plus 2 programmable and 8 fixed through RS232)	3 (plus 8 fixed presets through RS232)
Special working surface for transparencies	yes	yes
Slide pick-up	with optional lightbox	through slide drawer on camera head
External computer input / Input switch	yes (15-pin D-Sub/VGA plug)	yes (15-pin D-Sub/VGA plug)
Image memory	1 image freeze	9 pictures
"Show all" function (9 picture split-screen)	-	yes
Alternative Image display	negative / negative-blue / black & white	negative / negative-blue / black & white
Y/C (=S-video) output	-	one (converted Prog.Scan), 4-pin
Composite video outputs	-	one (converted Prog.Scan), RCA
RGB output	one (15-pin D-Sub/VGA-plug)	one (15-pin D-Sub/VGA-plug)
DVI output	DVI-D (digital)	DVI-D (digital)
HDMI output	when using a DVI-HDMI cable	when using a DVI-HDMI cable
USB port / standard	USB 2.0	USB 2.0
RS232 port (serial protocol with position setting and status report)	9-pin D-Sub	9-pin D-Sub
Weight	5 kg (11 lbs)	5 kg (11 lbs)
Infrared remote control	-	yes (with laserpointer)
Anti-theft device	T-Lock (Kensington® Lock) and table lock bolt	T-Lock (Kensington® Lock) and table lock bolt
Power (external power pack on portable units)	multi range 100-240 V, 60W, weight: 0.3kg (0.6lbs)	multi range 100-240 V, 60W, weight: 0.3kg (0.6lbs)
Dust cover	included	included
Warranty	3 years	3 years

Printed in Austria, June 2008

All units made in European Union (Austria)

Design and specifications subject to change!

Your WolfVision dealer:

More information at:  
[www.wolfvision.com](http://www.wolfvision.com)

**WOLFVISION**  
Visualizer

Head office: WolfVision GmbH, Klaus/Austria  
 USA distribution: WolfVision Inc, Duluth (Atlanta)  
 WolfVision Inc, Burlingame (San Francisco)  
 Asia distribution: WolfVision Asia, Singapore  
 Canada distribution: WolfVision Canada Inc, Ottawa  
 Japan distribution: WolfVision Co Ltd, Tokio  
 UK distribution: WolfVision UK Ltd, Manchester

Tel. +43/5523/52250, Fax +43/5523/52249  
 Tel.(770)931-6802, Tollfree 1-877-873WOLF, Fax:(770)931-6906  
 Tel.(650)648-0002, Tollfree (800)356-WOLF, Fax:(650)648-0009  
 Tel.+65-6366 9288, Fax: +65-6366 9280  
 Tel. 613-741-9898, Fax 613-741-3747  
 Tel.(+81)3-33603231, Fax:(+81)3-33603236  
 Tel. 0161 435 6081, Fax: 0161 435 6100

wolfvision@wolfvision.com  
 usa.east@wolfvision.com  
 usa.west@wolfvision.com  
 info@wolfvisionasia.com  
 wolfvision.canada@wolfvision.com  
 wolfvision.japan@wolfvision.com  
 wolfvision.uk@wolfvision.com