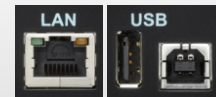


## New Features of the Third Edition



**LED** 30,000 hours

**3-CCD**  
**SXGA<sup>3</sup>**



- Ultra High Resolution 3-CCD SXGA Camera for VZ-C32<sup>3</sup> (1200 Lines Resolution)
- 3 Native Resolutions: SXGA- (1280x960 - 4:3), WXGA (1280x800 - 16:10) and 720p HD (1280x720 - 16:9)
- Maintenance Free High-Brightness LED Light System (higher light output, less power consumption, no more changing of lamps)
- Additional LAN-Features like Streaming in Multicast and Singlecast (Unicast) Mode, Authentication etc.
- Integrated Seamless Switch with Fading Effects
- Advanced Keystone Correction
- USB-Host Port for Connecting USB-Sticks (as Extension of Image Memory etc.)
- Easy up- and download of images
- Advanced Controlling with Professional Protocol via RS232, LAN and USB
- Improved Graphical On-Screen Menu
- Low Power Consumption (50W), very Quiet Operation
- New Mainboard with even more Computing Power and Additional Resources (for more features and enhancements to be added later on via Firmware Updates)

# Technical Data

	VZ-C12 <sup>3</sup>	VZ-C32 <sup>3</sup>
Camera	1-CCD 1/3" Progressive Scan	3-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	1280 x 960 (=1,228,800)	3 x 1280 x 960 (=3,686,400)
Total pixels of CCD(s)	1,320,000	3,960,000
Pixels processed per second	36,864,000	110,592,000
Color reproduction / precision	very good colors (sRGB color precision)	100% lifelike colors (sRGB color precision)
Native signal output	SXGA- (1280x960) and WXGA (1280x800) and 720p HD (1280x720)	SXGA- (1280x960) and WXGA (1280x800) and 720p HD (1280x720)
Converted output signals (4:3 and 5:4)	UXGA (1600x1200), SXGA+ (1360x1024), SXGA (1280x1024), XGA (1024x768), SVGA (800x600)	UXGA (1600x1200), SXGA+ (1360x1024), SXGA (1280x1024), XGA (1024x768), SVGA (800x600)
Converted Widescreen output signals (16:9 and 16:10)	WUXGA (1920x1200), 1080p HD (1920x1080), WSXGA+ (1680x1050), WXGA+ (1440x900), WXGA (1360x768)	WUXGA (1920x1200), 1080p HD (1920x1080), WSXGA+ (1680x1050), WXGA+ (1440x900), WXGA (1360x768)
Resolution (measured)	820 lines	1200 lines
Resolution in Image Turn mode	1050 lines	1550 lines
Image Rotation	90, 180 and 270 degrees	90, 180 and 270 degrees
Iris and White balance adjustment	automatic and manual	automatic and manual
Autofocus	one-push-autofocus (focusing is rarely necessary due to high depth of focus)	one-push-autofocus (focusing is rarely necessary due to high depth of focus)
Manual focus	yes	yes
Synchronized lightfield (for easy positioning of objects)	yes (in size of pick-up area of camera) with 4:3 / 16:10 switching	yes (in size of pick-up area of camera) with 4:3 / 16:10 switching
Text Enhancer	yes	yes
Live to Freeze comparison (on two monitors or screens with just one Visualizer)	yes (RGB, DVI and Preview outputs can output different signals. One can output a live image and another one a "freeze" image)	yes (RGB, DVI and Preview outputs can output different signals. One can output a live image and another one a "freeze" image)
On screen menu with Help	yes	yes
Firmware Updates via	USB, RS232, LAN	USB, RS232, LAN
Zoom / Lens	two telezoom lenses, 64x zoom (16x optical + 4x digital)	two telezoom lenses, 64x zoom (16x optical + 4x digital)
Max object height on working surface	no limit	no limit
Max. pick-up area on working surface	depending on installation height	depending on installation height
Min. pick-up area on working surface	depending on installation height	depending on installation height
Depth of focus on small object (42 x 33 mm)	larger than 70mm (2.75")	larger than 70mm (2.75")
Depth of focus on large object (360 x 270 mm)	larger than 250mm (9.7")	larger than 250mm (9.7")
Shadow free illumination	yes	yes
Illumination of hollow objects	yes	yes
Light source	Maintenance free high-brightness LED light system (high light output, low power consumption), lamp lifetime: 30,000 hours	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 + Macintosh, Twain/WIA compatible, with video capture driver	included for 32- and 64-bit Windows + Macintosh, Twain/WIA compatible, with video capture driver
Reflection free area on working surface	whole working plate	whole working plate
User programmable presets	3 (plus 8 additional through RS232, USB or LAN)	3 (plus 8 additional through RS232, USB or LAN)
Special working surface for transparencies	yes (special working plate included)	yes (special working plate included)
Slide pick-up	with optional lightbox	with optional lightbox
Bottom light	optional external lightboxes (extremely large models like WolfVision's LB-38 can be used)	optional external lightboxes (extremely large models like WolfVision's LB-38 can be used)
External computer input / Input switch	yes (15-pin D-Sub/VGA plug)	yes (15-pin D-Sub/VGA plug)
Built-in digital scaler for the computer input	yes (processes the signal from computer input for RGB- and DVI-output)	yes (processes the signal from computer input for RGB- and DVI-output)
Seamless switch with fading effects	yes	yes
Advanced keystone correction	yes	yes
Image memory (with "Show all" function / split-screen)	9 pictures in internal memory + unlimited number on USB-stick	9 pictures in internal memory + unlimited number on USB-stick
Alternative Image display	negative, negative-blue and black/white image	negative, negative-blue and black/white image
RGB output	three (2x 15-pin D-Sub/VGA-plug and 5x BNC)	three (2x 15-pin D-Sub/VGA-plug and 5x BNC)
DVI output (HDMI compatible via adapter or cable)	DVI-I (digital and analog)	DVI-I (digital and analog)
USB standard / port	USB 2.0 Device-Port and Host-Port	USB 2.0 Device-Port and Host-Port
Ethernet/LAN port, IP-addressable	yes, 10/100 Mbps	yes, 10/100 Mbps
Additional LAN-features: multicast and singlecast (unicast) streaming, authentication	yes	yes
RS232 port	9-pin D-Sub	9-pin D-Sub
Advanced controlling with professional protocol	yes - via RS232, LAN and USB	yes - via RS232, LAN and USB
Dimensions (L x W x H)	452mm x 352mm x 206mm (17.8" x 13.9" x 8.1")	452mm x 352mm x 206mm (17.8" x 13.9" x 8.1")
Weight	12 kg (25 lbs)	12 kg (25 lbs)
Infrared remote control	yes (with laserpointer), internal and external receiver (with 10 m cable and status LED)	yes (with laserpointer), internal and external receiver (with 10 m cable and status LED)
Anti-theft device	T-Lock (Kensington® Lock)	T-Lock (Kensington® Lock)
Ceiling mount	included	included
Power	multi range 100-240 V, 50W	multi range 100-240 V, 50W
Made in	EU / Austria	EU / Austria
Warranty	3 years	3 years

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All units made in European Union (Austria)

Design and specifications subject to change!

Your WolfVision dealer:



More information at:  
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