VZ-C3D Visualizer System
Bringing Reality Closer in 3D

VZ-C3D Ceiling Visualizer System

WolfVision is a worldwide provider of products and services to leading universities, businesses, schools, and other educational institutions. 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 solutions.

WolfVision's VZ-C3D is the world’s first 3D Visualizer system, a stereoscopic 3D ‘live’ presentation solution. The ceiling mounted VZ-C3D features two high precision lenses and an onboard stereoscopic mixer which enables stunning ‘live’ high definition 3D images to be viewed in real-time via a suitable projector or 3D-enabled display screen.

Our extensive knowledge and expertise across all application sectors enables us to offer comprehensive consultative guidance on customized combinations of Visualizer and camera hardware, software, and accessories, which enhance communication, collaboration, and knowledge-sharing across all environments. As part of each individual solution we offer 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. Since 1966.
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 explain it better, to give you the freedom to share your knowledge 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.

Our Vision
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.
Key Features

Presenters can control the extent of the 3D effect using the adjustable depth control (vergence) feature - selecting exactly how far the 3D image appears to be ‘in front’ or ‘behind’ the surface of the display screen.

Control the 3D Effect

The VZ-C3D is switchable between 3D and 2D modes providing maximum flexibility in the range of materials that can be displayed.

Switchable 3D / 2D Modes

A large optical zoom range is one of the most important features of a Visualizer, because only an optical zoom can pick up objects in full resolution. The VZ-C3D features two high precision wide-angle camera lenses with 15x optical / 4x digital zoom factor.

Large Zoom Range for Flexible Imaging

The VZ-C3D Visualizer provides a very high depth of focus. This is of great benefit when working with large 3-dimensional objects.

High Depth of Focus

The VZ-C3D system is equipped with two state-of-the-art CMOS cameras with native 1080p HD resolution and 30 frames per second in both 3D and 2D modes. 980 lines resolution are visible in every part of the picture including the edges.

Powerful High Definition Cameras

A lightfield the same size as the pickup area of the camera shines onto the working surface. The light and the camera are synchronized so that when zooming in and out, the size of this lightfield changes accordingly, so a user always knows exactly where to place objects or documents.

Intuitive Positioning - Synchronized Lightfield
Our own stereoscopic vision gives us outstanding ability to see in three dimensions - to accurately judge distances and shapes using the visual information sent to the brain by our eyes. A VZ-C3D system enables you to introduce an extra dimension into your presentations and lectures, delivering stunning, real-time 3-dimensional onscreen images - a truly memorable visual experience for every audience.

3D Imaging in Presentations and Lectures
Adding a New Dimension

Display Screen Compatibility
The VZ-C3D system is compatible with all current 3D projectors and displays, and provides outstanding picture quality when using either glasses or glasses-free models. All HDMI 3D standard formats are supported to ensure compatibility:

- Frame packing
- Top and bottom
- Side by side
- Page flip
- Line alternative
- Left/right
- Right/left

✓Solution Control for Smartphones
The vSolution Control app enables iPhone, Windows 8, Windows Phone 8 or Android devices to connect to a VZ-C3D Visualizer system via WLAN. This intuitive and easy-to-use app allows presenters to use the device keypad and Live Image Preview to control presentations or lectures wirelessly from anywhere in the room.

✓Solution Link for PC and Mac
vSolution Link allows a user to connect a computer directly to a VZ-C3D system. The software allows for 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!
Technical Data

| Camera | 2 x CMOS 1/3” |
| 2-dimensional / 3-dimensional | 2D and 3D |
| Pictures per second (as picked up by the camera) | 30 frames per second in 2D and 3D mode |
| Native (effective Pixels of camera sensor) | 2 x 1920x1080 (=2 x 2,073,600) |
| Native pixels of image processing | 2 x 1920x1080 (=2 x 2,073,600) |
| Pixels processed per second (=effective pixels x frames per second) | 124,416,000 |
| Color reproduction / precision | very good colors (sRGB color precision) |
| Native signal output | 1080p HD (1920x1080) in 2D/3D mode, with 3D modes: frame packing, top and bottom, side by side, page flip, line alternative, left/right and right/left |
| Resolution (measured) | 980 lines |
| Iris | automatic and manual |
| White balance adjustment | automatic and manual |
| Autofocus / speed | yes, (continuously working, high speed) |
| Manual focus | yes |
| Synchronized lightfield (for easy positioning of objects) | yes |
| On screen menu with Help | yes |
| Firmware Updates via | LAN |
| Zoom / Lens | 2 camera wide-angle zoom lenses and 1 light zoom lens, 60x zoom (15x optical + 4x digital) |
| Max. object height on working surface | depending on installation height (maximum limit 1.7m / 66.9”) |
| Max. width of pick-up area on working surface | depending on installation height (861mm - 1898mm / 33.8” - 74.2”) |
| Min. width of pick-up area on working surface | depending on installation height (78mm - 174mm / 3.1” - 6.9”) |
| Depth of focus on small object (42x33mm/1.6”x1.3”) | larger than 20mm (0.8”) |
| Depth of focus on large object (360x270mm/14.2”x10.6”) | larger than 250mm (9.7”) |
| Shadow free illumination | yes |
| Illumination of hollow objects | yes |
| Reflection free area on working surface | whole working surface |
| Blinding of audience or speaker | none |
| Light source | Maintenance free high-brightness LED light system (high light output, low power consumption), lamp lifetime: 30,000 hours |
| vSolution Link Software (LAN, for controlling, image and video capturing and firmware updates) | included for 32- and 64-bit Windows, and Macintosh |
| User programmable presets | 3 |
| Slide pick-up | with optional lightbox |
| Bottom light | optional external lightboxes (large models like WolfVision’s LB-38 can be used) |
| Advanced WolfVision image processing engine YSOP1 | yes |
| DVI output | - (via optional HDMI-DVI cable or adaptor) |
| HDMI output | yes, 2x |
| Ethernet/LAN port | yes |
| LAN web interface | yes |
| LAN streaming modes (multicast and unicast) | yes (Motion JPEG) |
| RS232 port | - (if required external LAN to RS232 adaptors can be used) |
| Advanced controlling with professional protocol via LAN | yes |
| Weight | 5.2kg (11.5 lbs) |
| Infrared remote control | yes. Optional: external receiver (with 10m cable and status LED) |
| Ceiling mount | included |
| Power | Internal power supply, multi range 100-240 V, 65W, power consumption: 39W |
| Warranty | 5 years |

All units made in the European Union (Austria) Design and specifications subject to change.

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