



) immersiveCUBE System

) DESCRIPTION

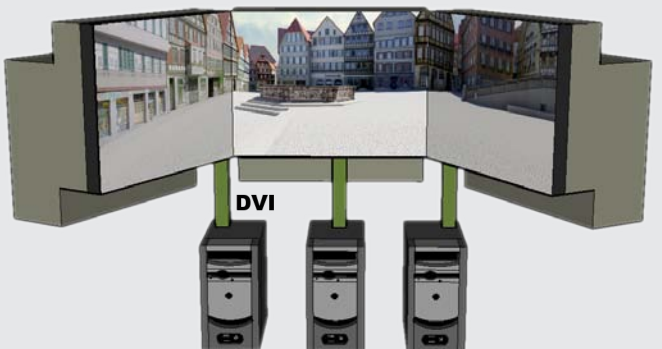
With the new immersiveCUBE System, based on the innovative and reliable DLP™ technology, eyevis provides a high-quality display for the employment in virtual-reality and simulation areas as well as for immersive jobs in the construction and design branch. In the basic version the system consists of three



rear-projection units, which are set up around the viewer in an angle of 120°. Due to the use of special projection screens with a wide viewing angle a high uniformity of brightness and colour is achieved on whole projection area. The high contrast and extraneous light absorbing properties of these projection screens enable a brilliant representation of the projected image and prevent the contrast loss by mutual bloomings of the projection screens. The life-time of the lamps of the projection units, based on the DLP™-technology by TEXAS INSTRUMENTS, is indicated with 8.000 to 10.000 hours (manufacturer information MTBF). The automatic brightness control (DSC) compensates for variations in brightness of the lamps and therefore guarantees constant brightness of the system over a long period.

To guarantee highest possible availability for continuous 24/7-operation, the elements are also available with a double-lamp system with automatic lamp-swapping.

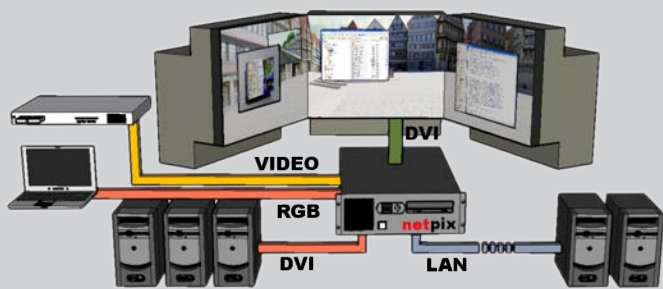
) STANDARD



The basic version with three 67" units offers a horizontal and vertical viewing angle of 180°. The very compact design of the system leads to a space requirement of only 4.5 by 2.5 metres. This allows create multi-functional applications, like driving or flight simulators without higher requirements concerning the space of the installation. The very robust, addible and stackable projection elements form an optimal platform for scalable or mobile simulation systems.

Each projection unit has a native SXGA+ resolution (1400x1050 pixels) and can be synchronically controlled in a frequency range from 48Hz to 62Hz. This produces a total resolution of 4200x1050 pixels for the three-channel basic version. Each projection unit provides one DVI-D input. The connectivity of the units can be easily upgraded with the also available scaler board that provides an additional DVI input and two RGB and Video inputs (Composite Y/C).

) NETPIX MULTI-APPLICATION EXPANSIONS



The eyevis netpix graphic-controller extends the immersiveCUBE system by the possibility to overlay the background image with almost any number of windows. These windows can be local applications of the netpix controller (e.g. email-client, web browser or text editor), as well as video signals from connected RGB or video sources. In addition to the possibility to display the directly connected picture sources on the entire projection surface, with the netpix controller it is also possible to display network applications from computers within the local network.

With the netpix multi-application expansion a working environment can be created, that enables interactive work on or with three-dimensional models, quick and direct access on office tools, video conferences or data banks, on one combined desktop.

) immersiveCUBE



) TECHNICAL SPECIFICATIONS

Resolution:	Total: 4200 x 1050 pixels Individual Unit: 1400 x 1050 pixels (SXGA+)
Brightness:	1000 ANSI Lumen / automatic brightness control
Contrast Ratio:	1600:1
Image Size:	Total: 4092 x 1023 mm Individual Unit: 1364 x 1023 mm (ca. 67" screen diagonal)
Inputs:	Per unit: 1 x DVI, (optional with scaler board: 2x RGB, 1x DVI (up to 1600 x 1200 pixels), 1x Composite Video, 1x Y/C restricted PIP possibility)
Pixel Frequency:	up to 140 MHz
Vertical Frequency:	48 - 62 Hz genlock capable, internal: 96 - 124 Hz
Projection screen:	Seamless Black Bead Screen (extraneous light absorbing) with 180° horizontal and vertical viewing angle
Lamp Power:	100-120 W, optional: 132-150 W
Lamp Life-time:	ca. 8.000-10.000 h at 100-120 Watt (manufacturer information MTBF) ca. 5.000-6.000 h at 132-150 Watt (manufacturer information MTBF)
Noise Level:	Individual Unit: <30dB
Power Consumption:	Individual Unit: 180 Watt
Space Requirement:	Total: ca. 4,5m width / 2,5m depth / 2m height Individual Unit: 1,4m x 0,8m x 1,2m

) FEATURES

Outstanding Image Quality

- High contrast and best brightness
- Colour uniformity and wide viewing angle
- Extraneous light absorbing projection screen

Integrated Optimising Functions

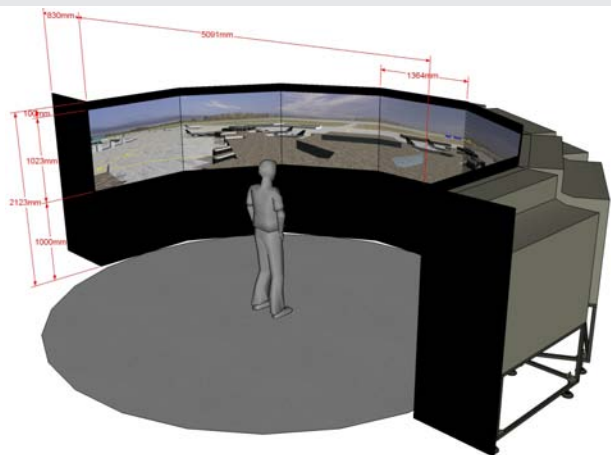
- Dynamic brightness control
- Quick and simple parameter setting
- Intelligent colour wheel
- Intelligent lamp system

Durability

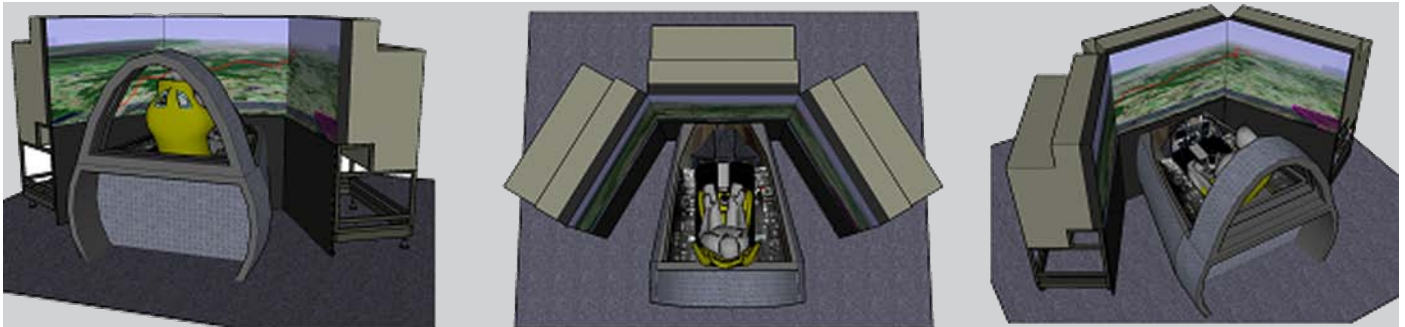
- Durable and constant picture quality on all projection modules
- Highly available display concept for 24/7 operation
- Low service and maintenance costs
- Very low noise development

Integration Possibility

- Flexible application possibilities
- Easily expandable (almost any number of units can be lined up and stacked)
- Very simple and quick installation
- Optionally available with stereo projection engines for three-dimensional visualisation



) EXAMPLE: FLIGHT SIMULATOR



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