



Visual Display Solutions for Broadcasters in Studios, Control Rooms, Playout Centres, Postproduction, Newsrooms

# BROADCAST CONCEPTS WITH LARGE SCREEN SOLUTION

# eyevs Products for Broadcast Applications – Perfection in Large Format

TV studios, A/V control rooms, playout centres, news rooms, post production, video editing rooms – all these applications require the display of multiple A/V sources in a limited field of view. Especially for such applications, eyevs provides professional HDTV display solutions. With a series of high-end LCD monitors and a range of cutting-edge DLP rear projection cubes, eyevs offers visual display solutions based on different technologies.

Colourfast broadcast content as well as other video signals need to be displayed in best quality. The primary task here is the smooth control of the images in real-time over the entire operational process – in the control room, the news room, in interaction with the post production, synchronisation and the final editing. **For applications such as these, eyevs provides reliable customised one-stop solutions „made in Germany“.**



## DLP® Rear Projection Cubes with LED Illumination for Video Wall Applications

### ) A series of innovative rear projection cubes with eco-friendly long-life LED light source

Rear projection cubes based on DLP® technology are a first choice for professional video wall solutions of today and tomorrow. This leading technology in the fields of large scale visual solutions is absolutely resistant against damages to the screen caused by the display of static images. In addition to that, DLP® Cubes are the only solution to realise practically seamless video walls for sophisticated, continuously operated applications in broadcast areas.

The flicker-free representation of images without rainbow effects allows for an ergonomic viewing without fatigue. Together with their excellent display characteristics for colour and brightness even with moving or detailed images, eyevs' LED-lit cubes are the ideal solution for large screen systems in professional fields of applications.

With the new projection engine based on LED technology, eyevs was able to eliminate the main weak point of this technology: the relatively short lifetime of the projection lamps and their restricted colours. The LED cubes use individual flat surface LEDs for every primary colour (red, green, blue) with a lifetime of approx. 60,000 hours.

The absence of wearing parts like colour wheels and other moving components not only permits longer service intervals, but also improves the environmental behaviour of the cubes compared with lamp-lit devices.

In contrast to cluster LED systems, the newly developed flat surface LEDs used in eyevs projectors achieve a very uniform image representation. The innovative heat pipe cooling system guarantees the operation of the system even in warmer environments.

The EC-LED Cube Series is available with different sizes and resolutions. Besides standard versions with native HD resolution (1,920 x 1,080 px) and SXGA+ (1,400 x 1,050 px), the cubes are also available with WUXGA resolution (1,920 x 1,200 px) in 16:10 aspect ratio.

### ) ACT Auto-Colour-Tracking

eyevs' new LED Technology offers consistent colour fidelity and advanced colour adjustment possibilities. The newly developed multi-cube colour and brightness option is a tool for the fully automatic adjustment and alignment of all cubes in a video wall. Once the system is set up and calibrated, there are no more adjustments necessary.



## EYE-LCD Series: High-End Displays for Pin-Sharp Image Representation

eyevis provides its customers complete solutions for the professional visualisation of any video data. These solutions also comprise the EYE-LCD Series, a range of high-end LC displays, which meet any demand for broadcast and professional A/V installations in terms of screen sizes, image quality and modularity.

Specially customised solutions according to any requirement, such as touch control options or ambient light sensors, enable the use of the displays in any environment. Of course, eyevis provides also graphics controllers associated software applications and a comprehensive range of accessories.

### )] EYE-LCD – Best Display Performance with eyevis full HD Monitors

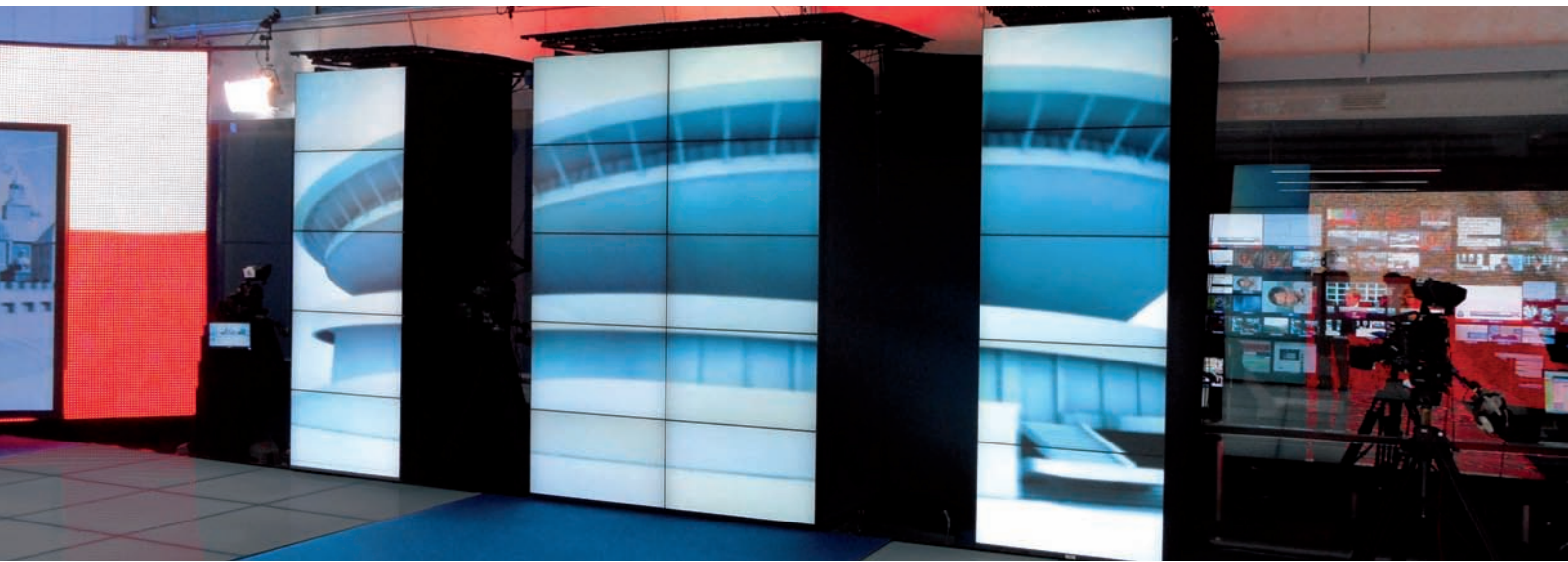
The displays from eyevis EYE-LCD series were especially developed on the basis of the requirements for sophisticated professional use. Their crisp image representation makes the displays the ideal solution for every application that may not lose smallest details. Thanks to their adjustable colour temperature, the displays provide their perfect image quality even in studio applications and in difficult light conditions.

The full HD monitors from eyevis' EYE-LCD series are available with screen diagonals from 42" to 82". In addition to the full HD versions, there are further display versions available with even higher resolution. With the EYE-LCD5600QHD with quad HD resolution (3,840 x 2,160 px) on a 56" screen and the EYE-LCD6400-4K with 4K2K resolution (4,096 x 2,160 px) on a 64" screen, eyevis provides highest resolution displays in large-scale format.

### )] EYE-LCD 4600 SN – The Perfect Choice for "Seamless" LCD Video Walls

eyevis' super narrow bezel displays provide a revolutionary LCD based display solution. Outstanding image quality, best brightness and contrast, and native WXGA resolution are the key features of the displays. The screens have a screen diagonal of 46" and an outstanding narrow bezel, optimised for „tiled" video wall applications. With a gap of only 7.3 mm between the contents of two displays in a video wall, the devices are an ideal solution for the simple and fast installation of a video wall. The internal scaler board of the devices allows building up a video wall matrix comprising up to 10 x 10 displays without an additional split controller.





## ) EYE-MDP – Matrix- & Delay Processor for Studio Applications

In tv studios it is important to have a displayed signal that is fully synchronised with the genlock, especially when the image signal is split (upscaled) onto several displays. eyevis developed the EYE-MDP matrix and delay processor which enables a signal splitting for the

fully synchronised display on modular video walls of almost any size. The free scalability and positioning of the image sections allows a highly flexible spreading of the image signals on multi-channel video walls, as well as the bezel elimination for narrow bezel displays or non-uniform bezels.

## eyevis – Perfect Visual Solutions

eyevis is a leading manufacturer of large screen systems for communication, information, control rooms, simulation and virtual reality. Whether you need a system for a control room in a power plant, a traffic management centre, a surveillance systems or for representative applications, wherever a perfect image with reliable functionality is needed, there is hardly a way to get around eyevis.

Thanks to our many years of experience and advanced technological knowledge, we always rely on the latest technologies and use only components of the highest quality for our products. This results in visual solutions with perfect image quality. Continuous investments in research and development help us to further establish our advanced position in the fields of large-scale display solutions.

Especially markets such as broadcasting and professional A/V require an absolutely reliable display solution. Here, information has to be available 24 hours per day, 7 days a week, on 365 days per year. Calculable costs for operation and maintenance are also part of our product philosophy.

**Opt for our perfect visual solutions – “made in Germany”.**

## References:

**We have set new standards in the fields of large screen visual solutions with all of our realised projects. Here you can find an excerpt from our reference list:**

ABB, Abertis, ADIF, Airbus, Alstom, Anas S.p.A., ARD, BMW, Canal 9 Argentina, CFE Mexico, Commerzbank, Daimler, DHL, DVS, E.on, Emerson Process Management, EnBW, ERTU Egypt, FinanzIT, Frankfurt Airport, French Ministry for Foreign Affairs, FTI Touristik, Gazprom, Hennessy, Invensys, Kepco, LUKOIL, Mercedes Museum, NATO, Oman Mobile, Orange, PRO7, Petrobras, Rabobank, RAI, RWE, SANEF, Siemens, Sirti, SNCF, T-Systems, Telefonica, THALES, TV2 Norway, TVN24 Poland, ThyssenKrupp, Vattenfall, Traffic Management Kapstadt, Vodafone, Volkswagen, ZDF, Zeitsprung, ...

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