

**SOLUTIONS FOR BROADCASTERS**  
**PERFECT VISUAL SOLUTIONS**



# PERFECT VISUALISATION SOLUTIONS FOR BROADCAST APPLICATIONS INNOVATIONS “MADE IN GERMANY”.



TV studios, video- and sound-control rooms, TV operations centres, playout-centres, newsrooms, post-production, inspection-and-approval suites – the fields of application for visualisation technologies in the broadcasting sector are many and varied. And particularly in this demanding environment it is effectively the quality of the components used which determines that what finally lands on the screen corresponds to the quality expected by the viewer. From the recording in the studio or outdoors, the work of the director and the interplay with the post-production team, the synchronisation and the final cut – everything must function like clockwork whilst visualisation is achieved at a constantly high level.

In this production process the solutions provided by eyevis guarantee perfect images – from the production stage up to transmission. The consistent optimisation of our products for the exacting demands in broadcasting applications includes further developments in the precision of reproduction of the required colour temperature, special inputs and timings for broadcast-specific signals, synchronous display with the in-house frequency (genlock), but also the optimisation of sound quality in the various application areas in the studio.

In addition to the excellent picture quality and high reliability of the various display technologies eyevis can also score with the flexibility of its applications. In our wide-ranging palette of products customers find solutions for every type of application in the field of broadcasting and audiovisuals. Whether it is a bezel-free video wall or creative display arrangement in the studio background, dependable presentation in the control room or Ultra-HD screens for editing - our catalogue offers the appropriate product for every broadcaster.

In the realisation of your project you will profit from our own understanding of our company as a provider of solutions, above all from our comprehensive know-how in the field of image-producing technologies. From planning to installation up to the servicing of existing facilities we are at your side as competent partners to assist you in the realisation of your ideas and concepts. And also, if your project demands special solutions or developments, in this area, too, eyevis has already demonstrated its expertise and flexibility many times.

WE'RE AT HOME HERE.

TELEVISION STUDIOS



CONTROL ROOMS



PRODUCTION



# OPERATING WORLDWIDE MISSION CUSTOMERS WHO PUT THEIR TRUST IN EYEVIS TECHNOLOGY.



## DEUTSCHE WELLE NEWS STUDIO BERLIN

Deutsche Welle, Germany's international broadcaster, has launched a 24-hour English-language news channel with a new design and a new studio. Here, a high resolution video wall from eyevis provides brilliant background images for live newscasts. On the 24 square meter curved video wall, images, graphics, and videos to support the new English channel can be displayed through three Full HD signals.

The high-resolution LED-modules by eyevis are ideal for broadcast environments due to their high brightness and the simple way they adapt to the lighting conditions in the studio. Thanks to their integrated image processing electronics, the LED-modules can be adjusted to the 3200 Kelvin colour temperature required in the studio with one click. The globally unique front-side access of the LED-modules makes it easy to service the video wall and its single electronic components.

### Equipment used:

- 144× EYE-LED-2.0-FS-FI (LED Modules with 2.0mm Pixel Pitch and Front-Support Mechanics for Indoor Video Walls)



## AL JAZEERA LONDON

The global media giant runs its European news gathering, current affairs programming and live evening news output from its new London studio at the 16th floor of The Shard, the highest skyscraper in the European Union. The studio has an oval-shaped surface with central news anchor desk. The studio uses a curved video wall background assembled of twelve 60-inch DLP® rear-projection cubes from eyevis.

On the nine meter wide eyevis video wall news graphics, live-feeds and background graphics are displayed during broadcast productions. Requirements in this case were high colour fidelity of the cubes, high brightness and high viewing angle stability. The cubes achieve their high viewing angle stability through special rear-projection screens, which guarantee consistent brightness and colour representation even for varying viewing angles. In this way the directors are able to change camera positions and record the anchorman with the wall in the background from different angles.

### Equipment used:

- 12× EC-60-LHD-1000-BB (60" Full-HD LED DLP® Rear-Projection Cubes)



## MDR STUDIO MAGDEBURG

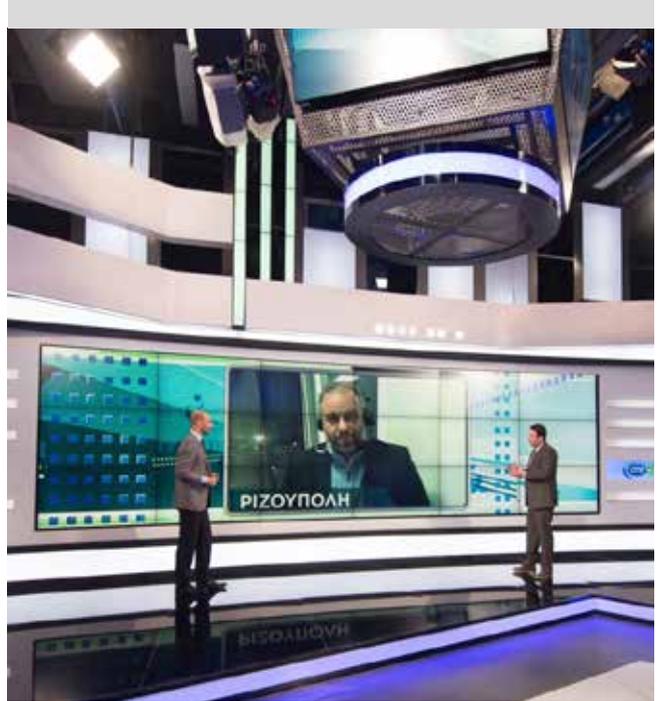
A flexible and seamless video wall assembled of 30 omniSHAPES gives a new face to the Magdeburg studio of Mitteldeutscher Rundfunk, the public broadcaster for Central Germany. The 200 square meter studio is used for the production of various news programmes, magazines, quiz and entertainment shows. To make the studio design variable for different shows, the omniSHAPES were installed on a mobile baseframe and can additionally be divided into two individual video walls comprising 3 x 5 modules each.

The new video walls visualize photos, graphics, writing, videos or panorama pictures according to the current show. The enhanced brightness output of the omniSHAPES provides ideal conditions for the studio lighting. The lighting technicians are able to perfectly illuminate moderators and protagonists without influencing the background projection.

The possibility to adjust the colour temperature of the omniSHAPES to the specific requirements of studio productions, makes them an ideal solution for flexible video wall installations in TV studios.

### Equipment used:

- 30x omniSHAPES DLP® Rear-Projection Modules



## OTE TV SPORT CHANNEL

OTE TV offers the richest and most integrated sports program in the Greek market. A recent modernisation of OTE's appearance with the aim to upgrade its subscribers' TV experience, included the installation of new studios of international standards. The new facilities come with state-of-the-art equipment, as well as the potential to produce programs directly in High Definition.

The prerequisites for the monitors installed in the studio were perfect high quality and high resolution pictures and a non-reflective surface in order to prevent reflections from the studio lighting. Additionally, the width of the bezels between the screens had to be minimized.

eyevis' partner Bon Studio completed the relevant study and suggested the installation of eyevis LCD monitors type EYE-LCD-5500-XSN-LD with the corresponding matrix and mountings. The overall project included the installation of 36 screens built up in six different configurations.

### Equipment used:

- 36x EYE-LCD-5500-XSN-LD (55" Super Narrow Bezel LCD)

# SPECIAL SOLUTIONS FOR SPECIAL REQUIREMENTS TECHNOLOGY AND KNOW-HOW FOR BROADCASTERS.

## FASCINATING PROGRAMMES NEED COMPELLING IMAGES AND EXTRAORDINARY VISUALISATION SOLUTIONS

The specifications for the visualisation system in a TV studio are exceptionally high. Reliable display, perfect image quality and the greatest possible flexibility are needed. The type and quality in which external contributions are presented has a real effect on the success of the whole programme format.

For precisely this reason eyevis offers absolutely reliable display technology in perfect quality and with extreme reliability of operation. Whether video wall systems on the basis of DLP® rear-projection units, seamless LCD-screens, high resolution LED modules, or extraordinary display solutions such as squareTILES, omniSHAPES, and transparent OLED screens, or LCD monitors for production and editing – together with you as a customer we realise solutions which are individually and optimally matched to the most diverse tasks.



### OUR PRODUCTS IN USE

) **omniSHAPES**  
EYEVIS MICROLINE

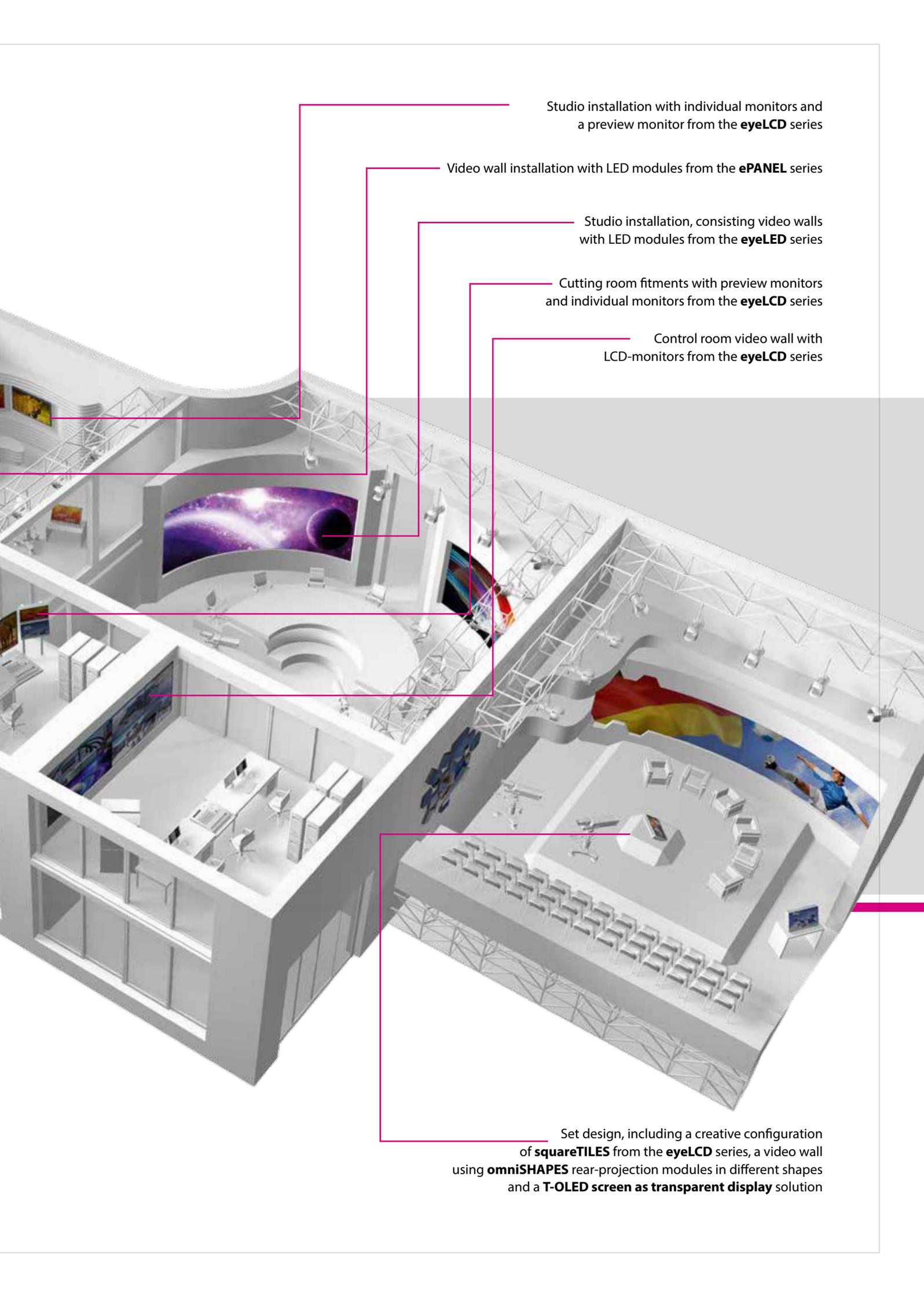
) **ecCUBE®**  
EYEVIS REAR PROJECTION LINE

) **squareTILES**  
EYEVIS MICROLINE

) **eyeLCD**  
EYEVIS LCD LINE

) **eyeLED**  
EYEVIS SMD LINE

) **ePANEL**  
EYEVIS SMD LINE



Studio installation with individual monitors and a preview monitor from the **eyeLCD** series

Video wall installation with LED modules from the **ePANEL** series

Studio installation, consisting video walls with LED modules from the **eyeLED** series

Cutting room fitments with preview monitors and individual monitors from the **eyeLCD** series

Control room video wall with LCD-monitors from the **eyeLCD** series

Set design, including a creative configuration of **squareTILES** from the **eyeLCD** series, a video wall using **omniSHAPES** rear-projection modules in different shapes and a **T-OLED screen as transparent display** solution

# PERFECT INTERPLAY OF FUNCTIONS SYSTEM COMPONENTS FOR BROADCASTERS.



## THE REAR-PROJECTION CUBES FROM THE ecCUBE SERIES

Where seamless video walls are needed as backdrops in TV studios eyevis' cubes, with their tried and tested DLP®-technology are first in line. Absolute dependability, even with 24/7 operation, the possibility to realise practically "seamless" video walls and excellent display properties – these are the great advantages of this technology.

With the ecCube series eyevis offers a portfolio of rear-projection cubes which with regard to variety and optional features is second to none. With screen diagonals of 50" to 100" and resolution from XGA, SXGA+, Full HD, WUXGA and WQXGA, a solution for every application can be found.

With the models from the new SLIM cube series, eyevis presents the world's slimmest DLP® rear-projection cubes, which enable the use of this technology in areas that did not offer sufficient space for an installation of a rear-projection cube wall in the past.

Particularly for use in TV studios the cubes are available with a multitude of optimised features, for instance a diverse palette of screen options, special scalars for fully-synchronised presentation with the studio frequency, sound-insulated casings and customer-specific solutions for the construction of the video wall, for example if this should be curved, right-angled or movable within the studio.



## eyeLED AND ePANEL LED MODULE – HIGH RESOLUTION, SEAMLESS, SHARP AND BRIGHT

With a comprehensive product range of high-resolution LED modules, eyevis presents LED technology in never-before-seen sharpness. Due to a very small pixel pitch, the viewer experiences even from a small distance a stunningly sharp image impression, with the effect further deepened by the impressive brightness and the lack of bothering bezels. The new high-resolution LED modules are a first choice for video wall installations in TV studios for news, sports and shows, event areas, conference rooms, corporate foyers and lobbies.

Apart from its high resolution, from 1.5 to 2.5 mm, the decisive added value comes from the well thought-out concept of the eyeLED products. Besides its robust mechanics, allowing for a simple, but also stable assembling of the modules, this particularly refers to the modules' integrated image processing. If needed, though, the electronics and the processing can also be installed separately. Based on many years of experience with video walls and the required signal distribution, special boards were developed, which enable easy management of LED video walls, as well. As they are developed and manufactured in-house, the modules from the eyeLED M-series can also meet creative demands and special solution requirements.

As a high-quality standard product, we offer LED modules with pixel pitches of 0.9 to 2.5 mm from our ePANEL series. It goes without saying, that you can expect perfect quality in terms of display and workmanship from these products as well.



## THE LCD MONITORS FROM THE eyeLCD SERIES

With its eyeLCD series, eyevis offers a comprehensive product range of professional monitors for the most various applications in the area of presentation and information. The single displays we offer are professional LCD monitors with a screen diagonal of up to 98 inches and a resolution up to 4K/Ultra HD with 3,840 × 2,160 pixels.

The bezel-free LCD monitors are perfect for applications in video walls. Thanks to their narrow frame width, assembling the displays will only lead to hardly visible bezels of just a few millimeters between the individual screens. Moreover the robust product design and the internal matrix function simplify the assembling of a video wall, whether in a temporary or permanent installation.

The specially developed broadcast-versions of the LCDs include extra functions such as sensor-calibration and HD-SDI-inputs as well as enhanced settings for colour temperature and gamma settings. Touch screens can be provided for all models. In order to guarantee best image quality even in the brightest light conditions, different LCD monitors with High Brightness Panels top off the eyevis product range. Thanks to an extremely bright image display, clear visibility of the content is guaranteed even under direct sunlight.

The monitors of the eyeLCD series can be upgraded with a great variety of optional features and accessories. All single monitors are offered with individual colouring of the casing. High-quality touch-screens, capable of up to 40 simultaneous points of contacts, are also available for all displays and video walls. Moreover, thanks to an OPS standard slot, most displays can be fitted with OPS-PCs or additional input options such as HDBaseT or 3G-SDI. Due to eyevis' EPU-Wall concept, monitors with appropriately configured OPS-PCs can then simply be integrated in networks with an IP-based distribution of signal and control.

As a provider of holistic solutions, the eyevis portfolio always offers the right solution for the integration and installation of all of our products. A comprehensive range of accessories is also available, such as signal splitters, cable sections or split controllers, as well as various mounting solutions for single displays and video walls. If the perfect solution for your application is not included in our standard portfolio, you can also trust in our longstanding experience and expertise on the implementation of client-specific specialist solutions.



## omniSHAPES – FLEXIBLE ALL-ROUNDERS

Genially simple, simply genial – whether in the classic 4:3 format, as pentagon, hexagon or other customer-specific form – omniSHAPES are ideally suited for the design of eye-catching display screens in the TV studios. Control and image signals can simply be routed from one module to the next. The internal processing thereby guarantees that each omniSHAPE displays the correct image section according to its position. The projected images are – thanks to the outstanding quality of the LED-projection – crystal clear and in perfect, impressively brilliant colour quality. Moreover, they can be perfectly adapted to any colour temperature.



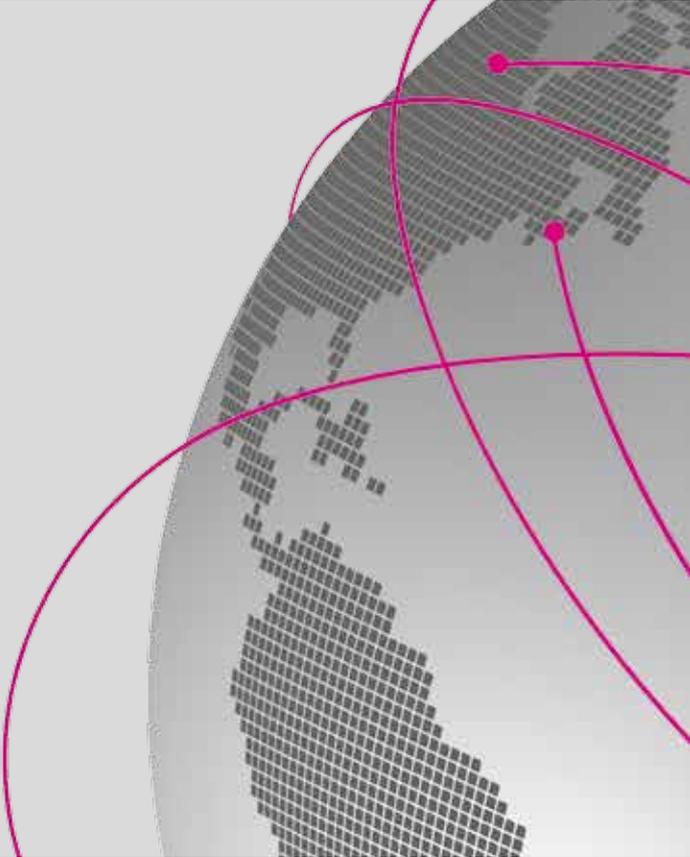
## CRYSTAL-CLEAR MONITORS – TRANSPARENT LCD AND OLED DISPLAYS

It's crystal clear – the transparent LCD and OLED displays by eyevis allow for direct presentation of product information or advertisements, super-imposed on real objects behind screens. What makes this unprecedented display type so revolutionary is its transparency. It is what makes these displays the ideal information medium in a wide range of eye-catching applications.

These monitors enable the unique fusion of displayed information, images, presentations, videos and graphics against the backdrop of a real object. Their integration into touch-tables or as an integral part of a studio set design can also easily be implemented.

WORKING WORLDWIDE  
CUSTOMERS WHO TRUST IN EYEVIS TECHNOLOGY.

# PERFECT VISUAL SOLUTIONS



## A SMALL SELECTION OF FURTHER CUSTOMERS WITH KNOW-HOW FROM EYEVIS

- **Al Jazeera America, Newsroom – New York, USA**  
45x EC-60-LHD (60" Full-HD LED DLP® Rear-Projection Cube)
- **Al Jazeera Arabic, Morning Show Studio – Doha, Qatar**  
48x EC-60-LHD-1000 (60" Full-HD LED DLP® Rear-Projection Cube), 5x EYE-LCD-4600-M-USN-LD (46" Super Narrow Bezel LCD)
- **Al Jazeera Arabic, Newsroom Studio 5 – Doha, Qatar**  
42x EC-60-LHD-1000 (60" Full-HD LED DLP® Rear-Projection Cube), 3x EYE-LCD-5500-M-USN-LD (55" Super Narrow Bezel-LCD),  
4x EYE-LCD-4600-M-USN-LD (46" Super Narrow Bezel-LCD)
- **Cologne Broadcasting Center, Playout Services RTL – Cologne, Germany**  
8x EYE-LCD-5500-LE-V2 (55" LCD Monitor), 10x EYE-LCD-4600-LE-V2 (46" LCD Monitor),  
1x EYE-LCD-5500-M-USN-LD (55" Super Narrow Bezel-LCD)
- **Fox News, Studio Backdrop - New York, USA**  
78x omniSHAPES (flexible LED DLP® Rear-Projection Module)
- **Jiangsu TV, Newsroom - Nanjing, China**  
48x EC-60-LHD-1000 (60" Full-HD LED DLP® Rear-Projection Cube)



- **Mitteldeutscher Rundfunk, Studio „Brisant“ - Leipzig, Germany**  
2x 65" Customised LED Screens with 1.5mm Modules from the eyeLED Series
- **München Live TV, Studio – Munich, Germany**  
6x EYE-LCD-4600-M-USN-LD-BC (46" Super Narrow Bezel LCD Broadcast Version)
- **Oman TV, Studios for News, Sport and Lifestyle Magazines – Muscat, Oman**  
56x EC-60-LHD-1000 (60" Full-HD LED DLP® Rear-Projection Cube), 15x EYE-LCD-5500-XSN-LD (55" Super Narrow Bezel LCD)
- **Plazamedia, ProSieben Studio „red!“ – Unterföhring, Germany**  
6x EYE-LCD-5500-M-USN-LD-BC (55" Super Narrow Bezel LCD Broadcast Version),  
2x EYE-LCD-8000-LE-BC (80" LCD Monitor Broadcast Version)
- **Plazamedia, Sport1 „Doppelpass“ – Munich, Germany**  
10x EYE-LCD-5500-M-USN-LD (55" Super Narrow Bezel LCD Broadcast Version)
- **Russia Today, Newsroom - Moscow, Russia**  
4x EC-50-LHD-SLIM (50" Full-HD SLIM LED DLP® Rear-Projection Cube)
- **Schweizer Radio und Fernsehen, Newsroom „10 vor 10“ – Zurich, Switzerland**  
19x EYE-LED-MODULE-2.0-FS-FI (2.5mm LED Module with Front-Service Access)



#### **EYEVIS MAIN OFFICE**

- Germany – Reutlingen

#### **PRODUCTION LOCATION**

- Germany – Reutlingen

#### **EYEVIS OFFICES INTERNATIONAL**

- Germany – Reutlingen
- France – Paris/Saint-Affrique
- Great Britain – Burnley
- Italy – Rome
- South Korea – Seoul
- United Arab Emirates – Abu Dhabi

#### **DISTRIBUTION PARTNERS**

- Africa
- Australia
- China
- Europe
- Japan
- Latin America
- USA

Updated information on our projects and products with many photos as well as the possibility of communicating with other interested customers can also be found at:

- [twitter.com/eyevis](https://twitter.com/eyevis)
- [www.facebook.com/eyevis](https://www.facebook.com/eyevis)
- [www.linkedin.com/companies/eyevis](https://www.linkedin.com/companies/eyevis)



Scan the QR code and visit our website to find more detailed information on all of our products and services, download brochures and data sheets, or watch the product videos.

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