



HIGH RESOLUTION LED-MODULES
PERFECT VISUAL SOLUTIONS



) eyeLED
EYEVIS SMD LINE

OUR eyeLED SERIES – DEVELOPED FOR DEMANDING APPLICATIONS:

SOLUTIONS FOR CONTROL



SOLUTIONS FOR PRESENTATION
& INFORMATION



SOLUTIONS FOR BROADCASTERS





Product Versions:

- EYE-LED-1.5
- EYE-LED-2.0
- EYE-LED-2.5

PERFECT PRODUCT QUALITY EYEVIS LED-MODULES MADE IN GERMANY

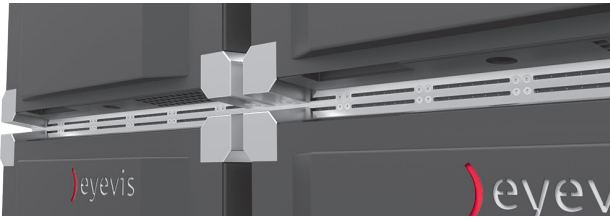
eyeLED – SEAMLESS, SHARP AND BRIGHT

Demanding large screen solutions in indoor installations at passenger hubs, airport terminals, in arenas, show rooms or conference areas require a display solution of the highest quality. Especially in environments with bright ambient light conditions a bright display with high light output is a key criteria for an appropriate representation of detailed image contents.

With the new LED-modules from the eyeLED series eyevis presents LED-technology in never before seen sharpness. Thanks to minimal pixel pitch the viewer – even from a very close position – experiences an overwhelmingly sharp image. This effect is further enhanced by impressive brightness and lack of any disturbing bezels. The new LED-modules with pixel pitches of 2.5mm and below are optimally suited for studio backgrounds, live shows and events, which by means of this state-of-the art LED-Technology reach a new level of eye-catching attractiveness.

The high quality and accuracy of workmanship decisively distinguishes eyevis LED-modules from competitive products. Our sophisticated knowledge of large screen technologies, signal processing and control, and the precise mechanics result in a cutting-edge product in the fields of high definition LED-video walls.

eyevis offers only components of the highest quality. So the advantages for our customers are obvious: Besides a high pixel density our LED-modules convince with low costs for operation and maintenance, a long life-time and highest reliability, brilliant colours, precise light control and high brightness. An additional benefit is the comfortable handling of this modular system which offers flexible possibilities in use.

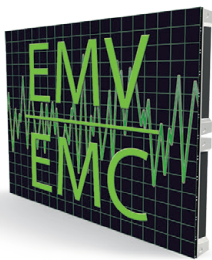


PRECISE MECHANICAL ENGINEERING

A highly precise mechanical concept is required for a trouble-free and smooth installation and adjustment of the individual LED-modules in a video wall. eyevis answers this requirement with its elaborate design and engineering of the modules from the eyeLED series. Accurately produced mechanics made in Germany guarantee an ease of installation and stable construction of our products. This results in an unparalleled final appearance of the video wall with absolutely no visible gaps between the individual modules. The well-thought-out concept of the chassis even allows to set up the modules in concave curved arrangements, even flying installations can be realised with the special rental versions without extensive structures behind them.

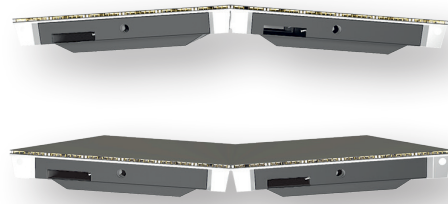
As all eyevis products, the eyeLED-modules are easy to service. Both front and rear access to dismantle the LED boards from the individual chassis are possible. This enables simple service works and short downtimes of the system for service works and maintenance.

To provide a clean appearance even on the back side of the modules, eyevis LED-modules provide an internal cable channel for the interconnection of the individual modules.



PROVEN EMC COMPATIBILITY

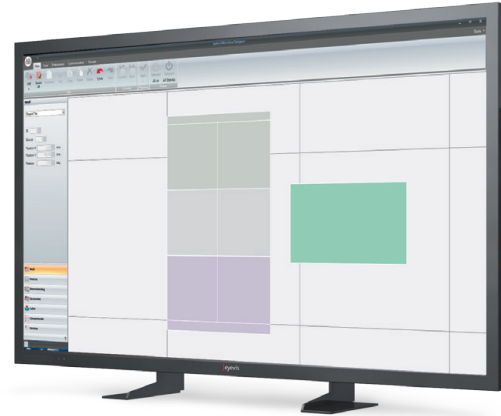
The electromagnetic emissions of the modules of the eyeLED series do not exceed any limitations required by law and supervised by the Federal Network Agency. Hence, the eyeLED series already meets the demands of tomorrow. Already at the design of the modules and the choice of components, we placed much importance on their electromagnetic compliance. We can thus achieve EMC compatibility not only for the individual module, but also for the whole video wall installation built up of numerous modules.



SOPHISTICATED PRODUCT DESIGN

Our comprehensive know-how in the installation of video walls, especially with unconventional screen configurations, results in an exclusively versatile design of our new LED-modules. The construction of the housing allows to build up plane video walls without further efforts but also convex and concave curved arrangements can be realised. Here we provide special mounting parts that enable a very precise and stable installation without the requirement for further mounting structures.

The service-friendly design of the modules further enables access to the electronic components from the rear or the front side of the video wall. Individual LED boards or modules can be replaced without the requirement to disassemble the entire video wall.



eyeDESIGN SOFTWARE – INTUITIVE PLANNING AND OPERATION OF EYEVIS DISPLAY DEVICES

The eyeDesign Software is a versatile tool for the planning, configuration, control and service of installations with compatible eyevis-display products. Different display technologies (e.g. eyeLED-modules, omniSHAPES and squareTILES) can easily and freely be arranged in a possible layout. The software is also used to arrange the content sources on the connected display modules including a preview of the final appearance of the images on the video wall. For planners the software can generate a list of components and provides precise measurements of the installation. For adjustment purposes it is also possible to display individual colours without the need for a separate signal source.

AT A GLANCE

THE ADVANTAGES OF EYEVIS eyeLED SERIES



OUTSTANDING LED QUALITY

The light emitting diodes used for eyevis eyeLED series were selected for their superior quality, highest reliability and long-term stable operation.



HIGH DEFINITION PIXEL PITCH

The minor pixel pitch of 2.5, 2.0 or 1.5 mm of our LED-modules allows pin-sharp image quality even from short viewing distances.



SUPERIOR BRIGHTNESS

High brightness is required to provide perfect image quality in bright environments. Adjustable colour temperatures further enable the operation in TV-studios.



INTERNAL IMAGE PROCESSING

With eyevis LED-modules there is no requirement for external image processors or matrix controllers. All required processing is integrated in the device.



ECO-FRIENDLY CONCEPT

Highly efficient components result in a low power consumption of our LED-modules which saves energy and costs during operation.



FACTORY COLOUR CALIBRATION

Colours and brightness of eyevis LED-modules are calibrated before their shipment in order to provide a perfectly matching appearance on their installation.



ELECTROMAGNETIC COMPLIANCE

Our proprietary product design made in Germany ensures 100% interference-free electromagnetic behaviour of the modules complying with common EMC standards.



LIFETIME

The high quality of the selected light emitting diodes ensures a long-term trouble-free operation with a lifetime of more than 80,000 hours.



DYNAMIC CONTENT

The high refresh rates of the modules result in a perfect representation of video graphics, especially with dynamic content.



MINIMUM COLOUR-SHIFT

eyevis LED-modules offer a huge viewing angle with a minimum divergence in colour appearance. This ensures stable image quality regardless of the viewer's position.



SERVICE & SUPPORT

A range of service level agreements and the supply of original spare parts are core elements of our expert service strategy.



PRECISE AND SERVICE-FRIENDLY MECHANICS

The innovative product design enables trouble-free assembly of the modules and simple access to the components from the front or back side for maintenance works.

TECHNICAL SPECIFICATIONS

	EYE-LED-1.5	EYE-LED-2.0	EYE-LED-2.5
Pixel Pitch	1.5 mm	2.0 mm	2.5 mm
Pixel (WxH)	320 x 240 px	240 x 180 px	192 x 144 px
Module Size	480 x 360 x 100 mm	480 x 360 x 100 mm	480 x 360 x 100 mm
Module Area	0.17 m ²	0.17 m ²	0.17 m ²
Service Access	Front/Rear Side	Front/Rear Side	Front/Rear Side
Viewing Angle	140° H/V	140° H/V	140° H/V
Brightness	1,500 cd / m ² (calibrated 1,250 cd / m ²)	1,500 cd / m ² (calibrated 1,250 cd / m ²)	1,500 cd / m ² (calibrated 1,250 cd / m ²)
Contrast	≥ 3,000:1	≥ 3,000:1	≥ 3,000:1
Pixel Density	444,444 / m ²	250,000 / m ²	160,000 / m ²
Lifetime (50% Brightness)	> 80,000 hours	> 80,000 hours	> 80,000 hours
Processing	16 bit	16 bit	16 bit
Refresh Rate	≥ 1,200 Hz	≥ 1,200 Hz	≥ 1,200 Hz
Frame Rate	50/60 fps	50/60 fps	50/60 fps
Cooling	Passive cooling system (on-board fans can be activated if required)	Passive cooling system (on-board fans can be activated if required)	Passive cooling system (on-board fans can be activated if required)



WORLDWIDE SUPPORT WE ARE AT YOUR SERVICE

The high quality of our products is backed up by the outstanding quality of our service technicians and the support we offer to our customers. Apart from regular repairs in-house or on-site, the supply of original spare parts and maintenance works on demand, we offer a range of service level agreements that ensure highest availability of your system.

Our experience shows that preventive maintenance and active support return the investment by leading to optimal system availability, the productivity of the system is guaranteed and operating costs can be reduced. Regular maintenance is a prerequisite for stable, trouble-free operation of your eyevis system. Therefore eyevis offers maintenance contracts that are tailored to the needs of your installation.

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
- www.facebook.com/eyevis
- 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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