

HIGH-RESOLUTION LED MODULES
PERFECT VISUAL SOLUTIONS



) **eyeLED**
EYEVIS SMD LINE

) **ePANEL**
EYEVIS SMD LINE

OUR eyeLED® SERIES – DEVELOPED FOR DEMANDING APPLICATIONS:

CONTROL



PRESENTATION
& INFORMATION



BROADCAST



FIRST CLASS SOLUTIONS
FOR SERVICE & SUPPORT



) **ePANEL**
EYEVIS SMD LINE

) **eyeLED**
EYEVIS SMD LINE

STANDARD



ePANEL

LED modules for standard installations of seamless video walls with highest resolution

CUSTOM



eyeLED

Perfectly customizable to specific requirements or especially creative configurations

MODULAR



eyeLED M

Modular LED system for highest flexibility and simple setup



Product Versions:

- ePANEL-0.9
- ePANEL-1.2
- ePANEL-1.5
- ePANEL-1.9

The Advantages at a Glance:

- Bezel-free 16:9 modules for native 1080p, 4K and customized LED video walls
- Super fine pixel pitch from 0.9 to 1.9 mm
- 16-bit color depth
- Low power consumption and noise-free operation

powered by **Unilumin**

HIGH QUALITY AS A STANDARD ePANEL LED MODULES FOR SEAMLESS VIDEO WALLS

ePANEL – SEAMLESS, SHARP AND BRIGHT

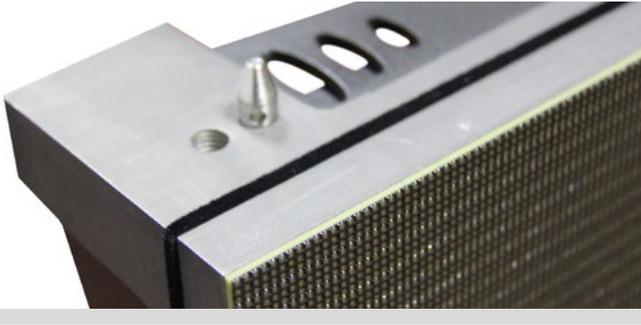
As a result of a joint development with leading LED manufacturer Unilumin from China, eyevis presents the new ePANEL series of high resolution LED modules. eyevis' vast experience in the implementation of display control and signal processing, combined with Unilumin's high product quality and production capacity allow for high-quality and cost-efficient solutions for eyevis' customers.

All ePANEL products are designed to be used indoors, where high resolution video walls with small pixel pitch are in high demand. The ePanel portfolio comprises models with different, yet always very small pixel pitches of 0.9 mm, 1.2 mm, 1.5 mm and 1.9 mm, which can be selected in line with the respective case of application.

The modules are ideally suited for applications that require a pin-sharp, seamless and high-quality display of videos and images as in retail applications, TV studios, and mission-critical control rooms.

Best brightness and contrast, a wide color gamut, and uniform appearance thanks to comprehensive calibration measurements further enhance the capabilities of the modules. Their 16:9 aspect ratio allows the simple setup of any Full-HD or Ultra-HD configuration and beyond.

The devices from the ePANEL series further comply with modern environmental standards. The fan-less design of the modules enables a noise-free operation. Thanks to various improvements of the electronic design, the power consumption could be reduced, which makes eyevis' ePANELS more environmental-friendly and additionally saves costs during operation. Of course they also fulfil all common standards for EMC compliance.



HIGHEST RESOLUTION, BRIGHTEST COLORS

The LED modules from the ePANEL series are equipped with the most advanced LED technology regarding pixel pitches and color depth. The super fine pixel structure as well as superior 16-Bit processing result in best image reproduction down to the smallest detail.



HIGH PRODUCT QUALITY

Products from the ePANEL series fulfil the highest demands regarding product quality of the electronic components and precise mechanical workmanship. This results in a time-saving and robust installation, as well as in trouble-free long-term operation even in demanding 24/7 mode.

AT A GLANCE THE ADVANTAGES OF EYEVIS' ePANEL SERIES



OUTSTANDING LED QUALITY

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



DYNAMIC CONTENT

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



FACTORY COLOR CALIBRATION

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



ECO-FRIENDLY CONCEPT

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



ELECTROMAGNETIC COMPLIANCE

Low radiation behaviour of the modules, compliance with EMC Class B standard design.



SERVICE & SUPPORT

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

TECHNICAL SPECIFICATIONS ePANEL

	ePANEL-0.9	ePANEL-1.2	ePANEL-1.5	ePANEL-1.9
Pixel Pitch	0.953mm	1.27mm	1.588mm	1.906mm
Pixel (WxH)	640x360	480x270	384x216	320x180
Module Size	609.92mmx343.08mmx75mm	609.92mmx343.08mmx75mm	609.92mmx343.08mmx75mm	609.92mmx343.08mmx75mm
Module Area	0.209 m ²	0.209 m ²	0.209 m ²	0.209 m ²
Service Access	Front Side	Front Side	Front Side	Front Side
Viewing Angle	165° H/V	165° H/V	165° H/V	165° H/V
Brightness	600 cd/m ² (after calibration)	800 cd/m ² (after calibration)	800 cd/m ² (after calibration)	800 cd/m ² (after calibration)
Contrast	≥ 3,000:1	≥ 3,000:1	≥ 3,000:1	≥ 3,000:1
Pixel Density	1,101,068 pixels/m ²	619,350 pixels/m ²	406,588 pixels/m ²	275,267 pixels/m ²
Lifetime (50% Brightness)	≥ 100,000 hours	≥ 100,000 hours	≥ 100,000 hours	≥ 100,000 hours
Processing	16 bit	16 bit	16 bit	16 bit
Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz
Frame Rate	50/60 fps	50/60 fps	50/60 fps	50/60 fps



Product Versions:

- EYE-LED-1.5
- EYE-LED-2.0
- EYE-LED-2.5
- EYE-LED-M Series

The Advantages at a Glance:

- Premium quality LED modules designed and manufactured in Germany
- High degree of customization to suit any requirement, e.g. water-resistant coating
- Powerful integrated image processing

FLEXIBILITY SECOND TO NONE EYEVIS eyeLED MODULES MADE IN GERMANY

eyeLED – PREMIUM LED MODULES FOR CUSTOMIZED APPLICATIONS

Many large screen solutions in indoor installations require a display solution that is not available "off the shelf". With our highly flexible LED modules from the eyeLED series we offer the perfect solution to fulfil the individual ideas and wishes of our customers.

Minimal pixel pitches combined with the most powerful image processing that is integrated in each module guarantee a perfectly sharp and high-quality representation of detailed image contents. Adjustable color temperatures without a noticeable loss in brightness make the eyeLED modules a first choice for sophisticated installations in TV studios.

With the new LED modules from the eyeLED-M series, eyevis presents LED-technology with the most versatile and customizable mechanics.

Thanks to proprietary product design we can offer tailor-made display surfaces of virtually any required size. Preconfigured module sizes mounted on precisely manufactured carrier frames further enhance the ease of mechanical installation, resulting in a perfectly aligned video wall. If required, the electronics and power supplies can be located separately in a distance to the video wall.

The high quality and accuracy of workmanship decisively distinguish 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.



POWERFUL IMAGE PROCESSING

The LED modules from the eyeLED series contain high performance image processing boards that enable a wide range of high quality image correction and adjustment possibilities, configurable presets, fail-safe daisy-chaining and an open interface for third-party control systems. Simple setup is ensured through full integration of the modules in eyevis eyeDESIGN software.



M SERIES – MODULAR DESIGN FOR HIGHEST FLEXIBILITY

A highly precise mechanical concept guarantees trouble-free and smooth installation and adjustment of the individual LED modules in a video wall. Configurations can be tailored precisely to the specific requirements of the project. The backside unit that contains power supplies and processing boards can be detached and located remotely.

AT A GLANCE THE ADVANTAGES OF EYEVIS' eyeLED SERIES



HIGH DEFINITION PIXEL PITCH

The minor pixel pitch of 1.5, 2.0 or 2.5 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 color 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.



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.



ELECTROMAGNETIC COMPLIANCE

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



SERVICE & SUPPORT

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

TECHNICAL SPECIFICATIONS eyeLED

	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	Rear Side	Front/Rear Side	Front/Rear Side
Viewing Angle	160° H/V	160° H/V	160° 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)	> 100,000 hours	> 100,000 hours	> 100,000 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	Passive cooling system	Passive cooling system



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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