eyevis
PERFECT VISUAL SOLUTIONS

EDITION 01/2012

EYEVISION

Stop Burn-in!

No more ghost images and other image retention effects. Read now how it works

Additionally in this edition:

The focal point of eyevis' novelties

The ISE in Amsterdam

More on page 25

WWW.EYEVIS.DE

) BADEN-WÜRTTEMBERGS GREAT MINDS: THE WORLD OF MARGARETE STEIFF

The swabian entrepreneur who gave the world the most beautiful thing imaginable – children's smiles.

More on page 04

) WHEN IT REALLY COUNTS EYEVIS DISPLAYS IN OPERATIVE TECHNIQUE

Often deciding over success or failure, life or death – reliable visualization technology that depicts every single detail.

More on page 13

Dear customers, friends and employees of eyevis GmbH,

the first three months of 2012 are over and with the ISE in Amsterdam and the Intersec in Dubai two of the most important fairs for eyevis already lie behind us. Once more we noticed with pride, how great the worldwide audience interest in our products is.

In this first edition of the eyevision this year you can expect a colorful bouquet of spring flowers of interesting, worth knowing and entertaining topics around eyevis' business area.

With Margarete Steiff we have one of the most outstanding entrepreneurs of the late 19th century in our rubric of "Baden-Württemberg's great minds". Another visionary who is very important for eyevis is Augustin Jean Fresnel, the inventor of the Fresnel-lense. Such lenses are built into every eyevis diffusor screen, so each and every cube is equipped with one of them. We remember this great French inventor in an own article.

Moreover we report about the eyevis squareTILES, another promising novelty of our development department. The new accessory for our omniSHAPES will be a topic, just as the projects we were able to realize all over the world. We also don't want to deprive you of future eyevis products, such as the new eyecon version eye-conf, which is especially developed for video conferences.

A lot of fun and an exciting reading

Your Eric Hénique/Director Marketing and Int. Sales

) EYEVIS IN SOCIAL NETWORKS

Constantly updated information about our projects and products, with many photos and the opportunity to share your experiences with other interested people are available at **twitter.com/eyevis** or at facebook under www.facebook.com/eyevis and at: **www.linkedin.com/companies/eyevis**

On our website you can find exact descriptions about all products and the corresponding brochures to download for free and product videos for your information: **www.eyevis.de**

Briefly illuminated

EYEVIS PEOPLE

The eyevis sales team has received reinforcement

It's a man's world? This statement seems to be archaic nowadays. eyevis has depended on female know-how in many departments of the company. One of the few exceptions has been the distribution department so far. That is why we were very happy to be able to welcome the first female member of our sales team in January 2012.

Susanne Taxis is in charge of the areas of virtual reality as well as simulation. Because of the growing number of products in this market it was obvious to hire a person especially for this area. Susanne Taxis has been active and well known in this market for years. Moreover, next to her helpful experience, she brings in the necessary enthusiasm to improve the prominence of eyevis and our products in VR and simulation in this special market.

David Chmel is another addition to our sales team. He will represent eyevis in the Austrian market. Due to his long lasting experience and good contacts we hope for good business in our neighbouring country.

EYEVISION OVERVIEW

Page 02 **Editorial**
Page 03 **eyevis people**
Page 04 **Baden Württembergs' Great Minds:** Margarete Steiff
Page 06 **Quadratic = practical = good** The new eyevis squareTILES
Page 07 **Expedient inside and all around** Design-Software and basements for eyevis omniSHAPES
Page 08 **So near, just like you were there** Professional video communication with eye-conf
Page 09 **Across systems** eyecon5 – the latest version of the eyecon software
Page 10 **Addition to the family** The new 70" and 80" LCD-Monitors and their technical data
Page 13 **eyevis Projects** eyevis Technology in operation rooms
The Vodafone Village in Milan
The control center of Paris' Fire Department
Page 18 **Lord of the Lenses** Life and Work of Augustin Jean Fresnel
Page 20 **Stop Burn in!** No more Image Retention Effects
Page 23 **eyevis fair commitments in the first quarter** The Prolight & Sound in Frankfurt am Main
The Intersec in Dubai
The ISE in Amsterdam
The eyevis Partners & Resellers Meeting and the eyevisionary Club Award
The Intertraffic in Amsterdam
The Technical Furniture Forum in Leipzig
Page 28 **Petrol in their blood** eyevis' motor sports commitment
Page 29 **Not only for connoisseurs** Museum Ritter in Waldenbuch
Page 30 **Interested and commited** Apprenticeship as an industrial manager at eyevis
Page 31 **eyevis installations worldwide**
Imprint

Margarete Steiff and her gift to the world

It happens to almost everyone: Many memories from childhood are burried. But there is one thing we can remember even after decades – the beloved cuddly toy. And often it had the famous "button in ear". That's the legacy Margarete Steiff left to the world.

The swabian entrepreneur did not have an easy life. Margarete Steiff was born on 24 July 1847 as the third of four children in Giengen an der Brenz. She had two older sisters and a younger brother. Her father Friedrich Steiff was a master builder, her mother Maria Margarete Steiff took care of the household and helped her husband. When she was one and a half years old she fell ill with a heavy fever after which she was partially paralyzed. The shocking diagnosis: infantile paralysis.

However, the sickness did not keep Margarete Steiff from becoming a happy child with grades above average and a great organizational talent. Like almost every other girl at that time she did not have access to higher education. In her free time Margarete was in close contact with the children in her village and played with them whenevery she could. Also she looked after children whose mothers had to work.

As a disabled person she wasn't able to learn a profession and how should she have found a husband? It was to be feared that she would have to depend on her parents and other relatives for the rest of her life. Her parents were very strict, which is why she really livened up when she stayed with the family of August Hermann Werner, founder of the Werner Clinic, in the summer of 1856. Her father Friedrich Steiff had submitted a request to the city of Giengen. Indeed, the responsible board of foundation bore the costs for the six weeks of treatment for the girl by the renowned doctor in his children's hospital in Ludwigsburg. Full of hope Maria Steiff and her daughter traveled to Ludwigsburg,

Beginning with a pincushion – the "Little Elephant"

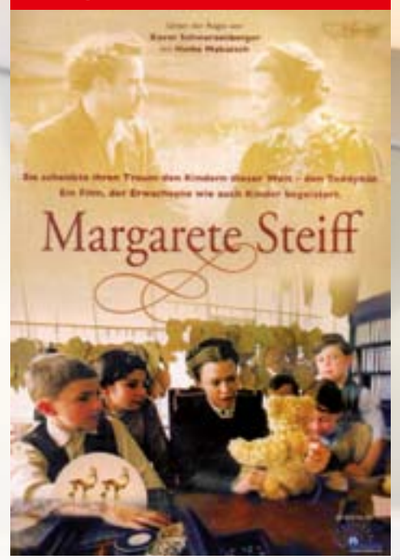
which was situated 110 kilometers away from them, in May 1856. The little patient was accommodated in August Hermann Werner's private house. In an operation, the doctor severed sinews of the left leg, straightened the leg and put it in plaster. Unfortunately the operation was of no avail and there was no improvement at all. Margarete enjoyed the following treatment in a health resort in Bad Wildbad, even though she was separated from her family for several months, through her stays in Ludwigsburg and Bad Wildbad.

The famous Steiff teddy bears put a smile on every children's face this very day

With ambition and great assertiveness

She imposed her wish to attend sewing school against her parents' will, who accepted their daughters wish at last because she stubbornly stuck to her intention. Even though she needed much more time than the other students, she became a perfect dressmaker. Through her very strong will she learned to play the cittern so well that she was even able to give lessons in the end.

TV biography starring Heike Makatsch as Margarete



By the age of 17 Margarete Steiff faced the thought that her sickness could not be healed and decided to find inner peace and go her own way. With an immense energy and admirable discipline she followed her goal of economical independence. When her father converted their house in 1847, he also built in a tailor shop. Margarete and her sister had more and more work to do and were able to be the first to buy their own sewing machine in Gingen an der Brenz. Even though she could only use the machine from the actually wrong site because of her paralization, Margarete became productive very quickly.

The entrepreneur Margarete Steiff

1877 the now 30 year old Margarete opened a felt shop upon the advice of her cousin Wilhelm Adolf Glatz, which she with sedulity and the right touch turned into a small enterprise with several employed tailors.

1879 Margarete Steiff discovered the sewing pattern for an elephant in a fashion magazine and made two bags of pincushions in the shape of elephants for the market in Heidenheim. The "little Elephant" was a complete success and other animals were designed and produced.

While Margarete spent 1460 Mark on felt for animals in 1886, the expense on felt rose to 5070 Mark four years later. 1892 the first illustrated Steiff catalog was published. Next to the elephant, other animals like dogs, cats and horses were added to the array of products. Margarete's motto, "Only the best is good enough for children" was printed in the catalog. 1893 the sales volume of toys rose to 16000 Mark over the volume of felt products. 1901 the toys were even exported to the USA and the sales volume grew up to 180.000 Mark. In 1902 Richard Steiff, a nephew of the founder, developed the flagship of the company: the bear 55 PB that was produced without any success at first. Not until the end of the toy exhibition in Leipzig 3000 bears were sold.

After the Margarete Steiff GmbH was established in 1906, the management of the company was assigned to the nephew of Margarete Steiff. Until 1907 the number of sewed teddy bears grew to 973.999. In addition the 400 employees and 1800 homeworkers produced about 1.700.000 toys. On 9 May 1909 Margarete Steiff died at the age of 61 after a pneumonia.

HOME OF THE STEIFF ANIMALS

The Steiff museum in Giengen an der Brenz

On 3 floors the history of the Steiff teddy bear and the Margarete Steiff GmbH is presented with many pictures and a lot of information and is an amazing experience for children as well as for adults and collectors. The museum is completed by a show production, a café with 70 seats inside and outside as well as an attractive shop.
www.steiff.com

Quadratic = practical = good

eyevis squareTILES – small displays with huge advantages

■ This latest development of the eyevis engineers is predestined for diverse operational purposes in the areas of promotion and digital signage due to it's size and the underlying technology.
Because the new eyevis squareTILES are quadratic 21.5 inch LC-Displays with an aspect ratio of 1:1. Compared to the typical 16:9 displays which are used nowadays, they are quite exotic. And exactly that is their advantage. The development of the squareTILES was inspired by the predominant size of tiles in the USA and the creative color related arrangements they make possible. From there it was only a small step to develop a counterpart for the world of digital visualization.

The eyevis squareTILES are, due to their „Ultra-Super-Narrow-Bezel-Design", suitable for barless applications with extra small spaces between the single displays. They can be used in modules to realize video walls or installations in closed or other arrangements. In this way single tiles can be installed diagonally, shifted or around corners, in order to achieve an attention drawing image effect.

Such unusual arrangements are made possible by the integrated scaler and the also built in matrix functionality. In this way the image can be adjusted to any position. A direct LED backlight ensures an even illumination of the displayed images. The high resolution of 960x960 pixels and the wide viewing angle do the rest to not suffice, but redefine the professional demand for creative digital signage applications.

Due to their eyevis typical robustly designed metal housing, the squareTILES are also quite interesting for the AV rental business. After all companies nowadays search for possibilities to contrast their exhibition booths from the ones of their neighbors.

Expedient inside and all around

Design-Software and basements for the eyevis omniSHAPES

■ We already extensively showed the fantastic possibilities of the eyevis omniSHAPES many times in previous eyevision editions. The reaction of the audience at the different international fairs and the business development of the omniSHAPES show that the market has obviously waited for this development. Today we will deal with everything that goes beyond the mere displays and their controlling.
An outstanding monitor needs equally outstanding installation possibilities. Therefore here is an addendum that deals with our newly developed basement system on one hand and the Designer-Software for the eyevis omniSHAPES on the other.

Perfect hold – the new omniSHAPES basement

Additionally to the standard-basement (OSH-Basement-Standard) we also offer a version for the hexagonal design (OSH-Basement-Hexagonal) of the omniSHAPES. Those basements can be adjusted in height with so called spacers (OSH-Basement-Spacer). On request we also produce special basements for different application areas.

An example for such a special-basement is the direction sign that was exhibited at the eyevis exhibition booth at the ISE 2012 in Amsterdam. FAdditionally to the omniSHAPES and basements, suitable connection elements, which we also have in offer, are needed for the installation of omniSHAPES walls.

The OSH-Connection-Plate-Standard features several drill holes at special points, which makes them very flexibly applicable in terms of installation angle of the omniSHAPES. For the installation of the hexagonal omniSHAPES eyevis developed a special connection element: the OSH-Connection-Plate-Hexagonal. In order to complete a omniSHAPES video wall, the OSH-Connection-Bar-Elements are needed in the final step.

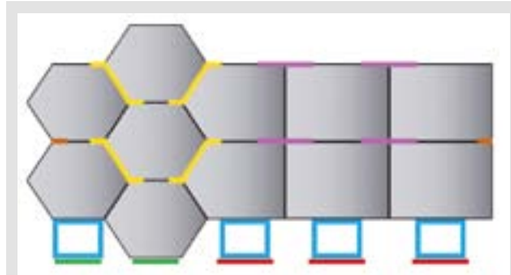
Perfect pictures – the omniSHAPES Designer

When the omniSHAPES video wall is installed and wired, the last step is all about controlling. As the readers of the eyevision already know, the omniSHAPES are equipped with internal signal processing, so they do not need external processing. However, we recommend a Full HD signal for 4x3 omniSHAPES.

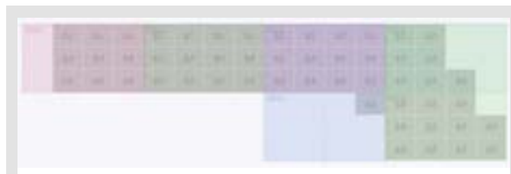
But how are pictures, presentations and videos displayed on the part of the wall of your choice? The eyevis omniSHAPES design software is the instrument, which fits the different source of image presentation in your readily installed omniSHAPES video wall. In this way a creative and impressive image experience is created by one of the most surprising visual solutions in the last years.

Different basements with spacers

OSH-Connection-Plate-Standard and -Hexagonal plus the custom basement



In this way the components are mounted to the wall.



Configuration with the omniSHAPES Designer

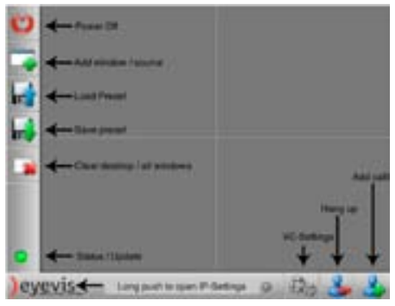
So near, just like you were there

Professional video communication with eyevis software

A good cooperation rises and falls among other things with the possibility of good communication. This is especially true for the international business in a more and more globally acting economy. With eye-conf eyevis offers the perfect tool for professional video communication.
eye-conf is ideal for the increasingly important form of global team work, where teams all over the world work together through video conferences and screen-sharing. Eyeconf is completely integrated into the the eyecon control software and offers an intuitively working user interface and the possibility of integration into the most common video conference systems on the international market. In this way eye-conf supports Cisco/Tandberg and LifeSize. At the moment we work on the support of Polycom.

The user controls the system on his screen simply via touch screen or with mouse and keyboard. In this way the different sources and windows can easily be adjusted to the personal needs. The addition of further contents that have to be visible for the other conference members, works just as easy.

With the eye-conf IP-Settings worldwide video conferences become as easy and convenient, as if the members were in the room next door. Existing contacts, for example, can be integrated and used without problems. New layouts for the user interface can simply be created and saved for future use.



eye-conf Features overview

- Software for Multi-Window-Display-Management
- Higher efficiency and effectiveness for large scale video conferences and cooperations
- Common editing of sources and contents in a network
- Intuitive controlling via mouse and keyboard or on touch screen
- Source processing with multi-windows
- No laborious trainings
- Quick choice of sources and layouts, cycling layouts
- Saving of time
- Simplified connectivity
- Support of small and large systems with almost unlimited capacity of inputs and outputs
- Cooperation and video conference control

Across Systems

eyecon5 – trendsetting system for cooperation and control room management

With eyecon5 the latest version of the eyecon Wall Management Software for the management of large scale video walls will be introduced this year. The eyecon series is on the market for 10 years now and has continuously been advanced.
eyecon5 will feature many new functionalities for management across different systems. Management of control and presentation rooms will become even easier and more convenient through the newly developed Cloud-Functions. The new key role is taken by MetaWalls – a function that is able to configure display walls without limitations and distribute and depict all kinds of sources over the network.

But also the collective use of connected control and presentation rooms will be made easier than before with eyecon5. Moreover the new version features a completely new design and will be usable even more ergonomically and intuitively. The setup of the software is like before based on a high performance database. A new group management feature will allow the user to easier divide different security groups. Also new: Parallel activation of several features through the new Multitab and Multiview Functions.

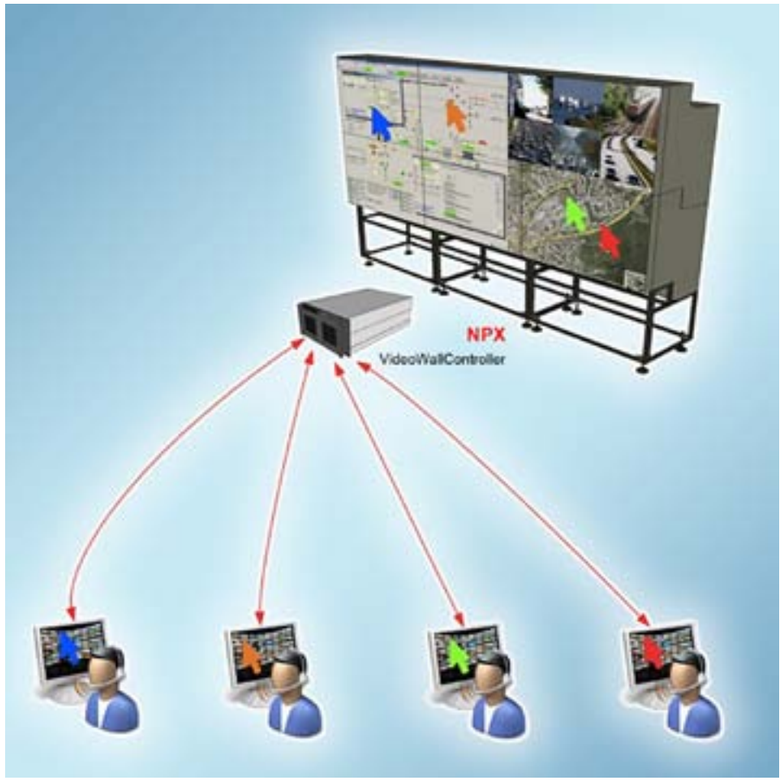
The whole setup program was completely new developed with regard to a more convenient operation. A new control room design feature enables the user to display a graphic overview of the video walls, in which display walls or single devices can be displayed and distributed to several rooms or buildings. A just as new key function is the MultiMouse feature that allows for the use of several cursors and keyboards at a single wall. The performance of the software was considerably advanced and the capture technology was provided with a faster transmission rate of desktop contents. Among the many other advancements and new functions are also features like software decoding, layout manager and a global preset management.

eyecon V5 will be available in the fourth quarter of 2012.

eyecon MultiMouse

The new MultiMouse-Option of the eyecon control room management software in version 5 offers the possibility to use several cursors and keyboards on a single large scale video wall simultaneously. This feature offers special possibilities for control rooms. SCADA applications for example, as well as any Windows or X11 application can be accessed from several work stations on one single video wall.

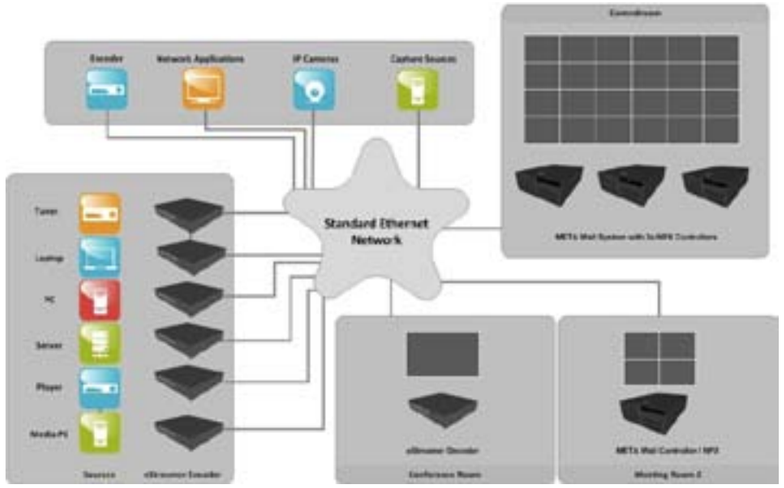
This function is also interesting for conference rooms or video conferences, since it allows for the cooperation of a team in a document or presentation. The video wall can be accessed



simultaneously from each Desktop-Computer that is connected to the respective network.

Key Features:

-) Freely definable size of the cursor
-) Each user can be assigned an own cursor color
-) Additional information on the belonging of the cursor can be displayed
-) Simultaneous use of cursors
-) Simultaneous mouse actions and text input in separate windows
-) Freely definable area of action of each user
-) Individual rights and group management of each user



metaWalls – Videowalls without limits

eyecon metaWalls

metaWalls will play an important role for future display wall controllers. Within this year eyevis will introduce new NPX systems and special MetaControllers, which will support the new technology. Even established systems like the NPX4800 woll fully support the new feature.

metaWalls can consist of a group of controllers that function as one big display controller. But also single walls or standalone displays that are connected to the network can be interconnected with MetaWalls.

In this way there is no limitation to the size of the wall and all systems are virtually connected via network. Through eyevis' streaming products, which are able to integrate signals into the network, there will be the possibility of tapping all signals in the network.

Each signal in the network is accessible – no matter where – and can be displayed on any display wall. In this way the system is flexible and can be extended easily. It is redundant and in complex situations offers advantages in terms of price in comparison to the use of single display controllers.
MetaWalls can be realized with standard NPX4800 systems as well as with the new, special MetaWalls Controllers and eStreaming Decoders and will also be available in the fourth quarter of 2012.

Addition to the family

New LCD monitors with 70 and 80 inch screen diagonal

So far eyevis had 70" and 82" with 2 models each in the array of products. Now the product portfolio in this device sector will be doubled.
The new devices in 70" und 80" differ from the standard devices primarily in their slender design, which first and foremost can be ascribed to the Edge-LED-Backlight. The displays, due to their low installation depth and narrow, unobtrusive housing, are perfectly suitable for demanding applications in control rooms and in sales and information areas. The eyevis typical, robust metal housing makes them an interesting alternative for the renting business.

) EYE-LCD-7000-LE

FULLHD

LED

eyevis LCD-Series

) DISPLAY CHARACTERISTICS

-) Professional Full HD (1920x1080px) 70-inch LCD monitor with Edge-LED backlight technology (ca. 177 cm)
-) Two different brightness versions available (500 & 700 nits)
-) Landscape and portrait installation possible
-) Low installation depth, narrow bezel design
-) Ideal for sophisticated applications in control room, conferencing or digital signage
-) Metal standard housing (standard black RAL9005, different RAL colours available on request)
-) Different installation possibilities available (stands, wallmounts, etc.)

) TECHNICAL SPECIFICATIONS

) LCD Panel	
Backlight Technology	Edge-LED
Max. Image Resolution	1920 x 1080 (full HD)
Colours	16.7M (8bits-true)
Viewing Angle	176° / 176° (H/V)
Response Time	6 ms
Contrast Ratio	5000:1
Brightness	EYE-LCD-7000-LE-500 -> 500 cd/m² (typ.) EYE-LCD-7000-LE-700 -> 700 cd/m² (typ.)
Pixel Pitch	0.802(H) x 0.802 (V)
) Connectors & Control	
Inputs:	HDMI / DVI
) Power Supply	
Input Voltage	100-250V 50/60Hz; integrated mains adapter
Power Consumption	≤ 330W (typ.)
) Environmental	
Temperature	0-40°C (<50%RH)
Humidity	20-80%RH (T<40°C)
) Mechanical	
Screen Diagonal	69.51 inch (ca. 176.6 cm)
Screen Area	1538.9 (H) x 865.6 (V) mm
Dimensions (WxHxD)	1610 x 935 x 80 mm
Bezel	ca. 35 mm (all sides)
Weight	approx. 82 kgs
) Options	
Touch:	Optical Touch Surface
Installation:	Different wallmounts and stands available

) EYE-LCD-8000-LE

eyevis LCD Series

) DISPLAY CHARACTERISTICS

-) Professional 80-inch LCD monitor with Edge-LED backlight technology
-) Three different brightness versions available (300, 500 & 700 nits)
-) Full HD Resolution (1920x1080px)
-) Low installation depth, narrow bezel design
-) Ideal for sophisticated applications in control room, conferencing or digital signage
-) Metal standard housing (standard black RAL9005, different RAL colours available on request)
-) Different Installation Possibilities

) TECHNICAL SPECIFICATIONS

) LCD Panel	
Backlight Technology	Edge-LED
Max. Image Resolution	1,920 x 1,080 (full HD)
Colours	16.7M (8bits-true)
Viewing Angle	176° / 176° (H/V)
Response Time	4 ms
Contrast Ratio	5000:1
Brightness	EYE-LCD-8000-LE-500 -> 500 cd/m² (typ.) EYE-LCD-8000-LE-700 -> 700 cd/m² (typ.)
Pixel Pitch	0.9225 (H) x 0.9225 (V) mm
) Connectors & Control	
Inputs:	HDMI / DVI
) Power Supply	
Input Voltage	100-250V 50/60Hz; integrated mains adapter
Power Consumption	≤ 350W (typ.)
) Environmental	
Temperature	0-40°C (<50%RH)
Humidity	20-80%RH (T<40°C)
) Mechanical	
Screen Diagonal	80 inch (ca. 203 cm)
Screen Area	1771 (H) x 996 (V) mm
Dimensions (WxHxD)	1840 x 1065 x 80 mm
Bezel	ca. 35 mm (all sides)
Weight	approx. 95 kgs
) Options	
Touch:	Optical Touch Surface
Installations:	Different wallmounts and stands available

When the smallest details matter

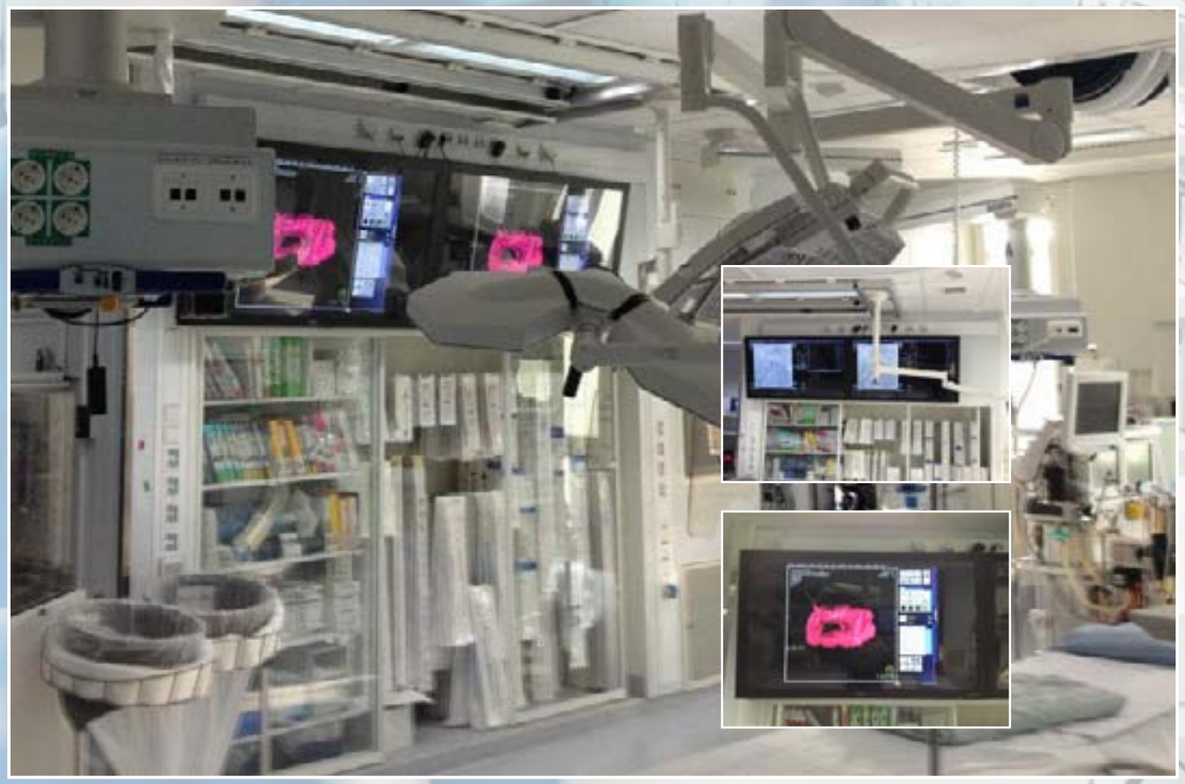
eyevis Displays in Operation Rooms

Sometimes the equipment with the right technology can decide about life or death. That sounds overly dramatic at first sight, but it is not, when you think about how many operations, that were very elaborate and stressing for the patient only a few years ago, can through modern technology be performed minimally invasive nowadays. It goes without saying that absolutely detailed, reliable high-resolution monitors are necessary for this.
So far the market of medical technology was not exactly eyevis' core competency. That will change in the future. Eyevis Nordic was already able to install two eyevis EYE-LCD-5500 displays in an operation room. Additionally to the convincing technical characteristics of the devices, the displays had to be equipped with safety glass in order to be admitted to operation rooms.

This modification once again shows the flexibility of eyevis to react on customers' requirements and special circumstances.

This modification once more shows eyevis' flexibility regarding special demands and customer wishes.

Such a modification is not only possible for the EYE-LCD-5500 but also for many other models of the eyevis LCD family. It will be interesting to see further references in the area of medicine in future eyevision editions.



The Eco-Tech-Office-Complex

eyevis in Vodafone Village Milan

■ Vodafone Village is an innovative eco-technological office complex with an area of 67.000 m², which hosts Vodafone's new main office in Milan. 3.000 employees from different offices from the region from Milan up to Corsica are united. Planned with the latest ecotechnological knowledge, the Vodafone Village is a trend-setting example for target-oriented application of innovative techniques for sustainable building. Moreover, it is an example for responsible recommissioning of large, already shut down industry areas. Conception and construction of the new, ergonomic and comfortable work stations are mostly oriented on highest work efficiency and flexible use of space.

The building is equipped with a solar garden, which's photovoltaic elements fit the architectural concept of the complex. Additionally they deliver the energy to run the facility. The 27.000 m² window area ensures not only bright, light-flooded work stations, but it's special material characteristics regarding energy efficiency significantly reduce the energy requirements for the air-conditioning of the rooms during the summer months. All in all the whole facility, which's concept is strongly oriented on environmental protection, reduces the CO2 emissions in the area of Milan significant. So the investment of 300 Mio € is very reasonable.

Vodafone decided to entrust eyevis with the task of equipping Voafone Village with the most modern display technology and that in the most demanding and security relevant areas of the whole facility. Eyevis visualization and large scale video systems were placed in the main entrance hall, the network control center, the security centers and the training center.

INSTALLED COMPONENTS

- 50x EYE-LCD-4600M-SN-V2
- 12x EC-70-LWXT
- 6x EYE-LCD-5500-LHD
- 4x NPX-4800R
- 2x ECS-800-R
- 2x EYECON-V4-PREMIUM

On Fire!

eyevis operation at the control center of Paris' Fire Department

On Friday 3 February 2012 Paris' new fire station was inaugurated by the French Secretary of the Interior Claude Guéant in Champerret. The whole station is completely up to date with the latest security technology and we can proudly announce that the responsible experts put their trust in eyevis technology in the areas of surveillance and security.

Guéant praised the continuous development and modernization in technological and operational areas. This modernization had become necessary when taking into account the 4500 phone calls every day – meaning one call every 20 seconds. Every minute another team disengages to operation in Paris. In this way an average of 20.000 people is saved every year. Four big fire stations are responsible for the safety of six million inhabitants as well as 24 million tourists annually. Guéant estimates that the number of calls will rise from 4.500 to 6.000.

Some facts regarding speed, security and efficiency of the new station:

- It has the ability to manage real time implementations of operational resources in Greater Paris.
- Three operational levels allow for a real rise of the chain of command.
- Equipped with the latest information systems and communication, the authorities are able to make faster and more substantiated decisions and to communicate more effectively.
- It offers a pleasant, ergonomic work environment for employees, which increases their efficiency and effectiveness.

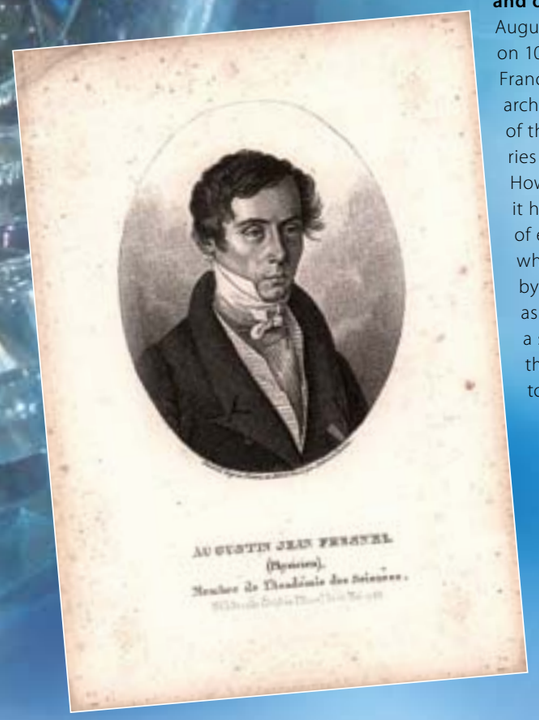
Installations:

- 2 eyevis LCD-video walls with 12, respectively 15 **EYE-LCD-4600-SN-V2**
- 6 single **EYE-LCD-4200**
- 2 redundant **NPX-4836R-V16-D4-IP8-G1.0** Controller, which are connected by eyeTeaming
- The split controllers are connected to 16 video sources, 4 computer sources as well as 8 IP camera-streams

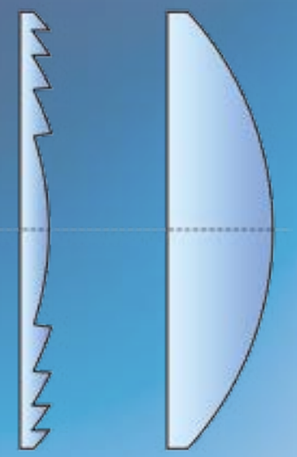
Lord of the Lenses

Life and work of Augustin Jean Fesnel

Fresnel was a French physicist and engineer, who essentially contributed to the establishment of the wave-theory of light and optics.



Augustin Jean Fresnel was born on 10 May 1788 in Broglie, France. He was the son of an architect and so he was one of the better off contemporaries of the late 18th century. However, he seemed to find it hard to seize those chances of education and wealth, which were brought about by this fact. Because Fresnel as a child suffered from such a severe learning disability that he was not even able to read when he was nine.



The Principle of the Fresnel-Lense

A Fresnel-Lense is an optical lense that was originally developed by Augustin Jean Fresnel for the use in lighthouses. Through the applied construction principle weight and volume of large lenses are reduced, which especially affects lenses with a short focal length – they are very thick and heavy in their usual shape.

The reduction of the volume is implemented through a division in circular areas. In each of those areas the thickness is reduced, so the lense obtains several circular levels. The decisive recognition, that the effect of the Fresnel-Lense is based on, ist he fact that light is only refracted when passing through the surface of a lense. The angle of refraction is in this way not dependent on the thickness, but the angle between the two surfaces.

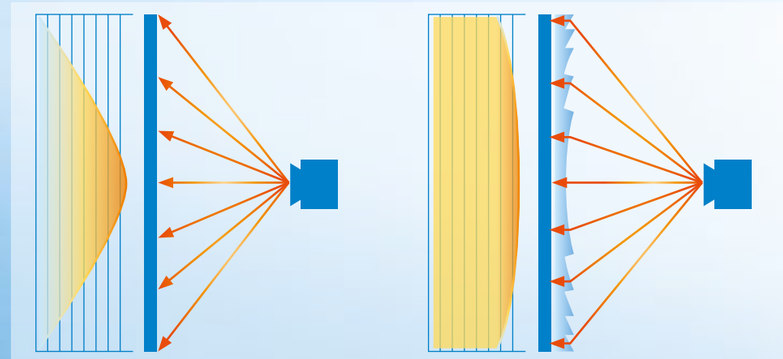
When he was 13 he attended the Ècole Centrale in Caen in the Normandy and switched to the Ècole polytechnique, from which he graduated as an engineer. Subsequently he attended the Ècole Nationale des Ponts et Chaussées. He worked as an engineer for the departments Vendée, Drôme and Ile-et-Villaine. As Napoleon Bonaparte returned to power after his exile in 1814, Fresnel lost his employment because he had supported the Bourbons before. However, Napolean soon was finally history and the young Augustin was employed as an engineer in Paris, where he spent the better part of the rest of his life.

Already around 1814 his research in the area of optics seemed to have started and it did not leave him until his death. Proof is an article dealing with the aberration of light – meaning the deviation of the ideal optical depiction through optical systems like a lens – that he prepared but never published. In 1819 Fresnel received the Award of the Académie des sciences in Paris for his article about the refraction of light and was unanimously chosen to be a member of the academy in 1823. In 1825 he was chosen to be a Foreign Member of the Royal Society in London, which had awarded him with the Rumford Medal the year before.

In 1819 he had already been chosen to be secretary of the Commission of Lighthouses, for which he constructed the lenses, that were named after him and that were used instead of the at that time customary mirrors, for the first time. Fresnel intensively dealt with the wave-theory of the light, which he was able to establish permanently through his brilliant discoveries and mathematical derivations. So he used two flat metal mirrors in an experiment and put them into an angle of almost 180° towards each other, in order to avoid the occuring light defraction when using apertures for light transmission. Through that he was able to take into account the interference phenomenons – the overlapping of two or more waves – in accordance with the wave-theory. With the help of a glass rhombus, the also named after him Fresnel Rhombus, he created circular polarized light.

Unfortunately Fresnel experienced what many geniouses in worlds history had to experience. His works about questions of optics were not acknowledged at all during his lifetime and many of his articles were only published many years after his death. But he had never been someone who demanded acknowledgement during his lifetime. He much more found pleasure in "the discovery of a theoretic truth, or the confirmation of a calculation by experiment", as he wrote to his colleague Thomas Young in 1824.

In 1827 Augustin Jean Fresnel died in Ville-d'avray near Paris of the at that time still incurable tuberculosis. His legacy to optical physics can't be appreciated enough and the Fresnel number is named after him, which is the measure of the diffraction on apertures. Even for eyevis Fresnel's discoveries and developments are of great importance, since in all optics of eyevis cubes, Fresnel lenses are an essential component until this very day.



Allocation of brightness without and with application of a Fresnel lens in the diffusor screen

Stop Burn-In!

No more burning in, image retention, mura, or other horrors for LCD screens.

Burn-in, image retention, mura, those are only a few expressions for phenomenons that are talked about again and again in our business and that make the customers worry about their devices. In order to take away this kind of explosiveness it can already be said that those kinds of effects nowadays are not as relevant as in the past, due to the technological advancement of modern flat screens. In this article some of the misunderstandings that often occur in this context will be corrected, without playing down the actually occurring damages.

Burn-in

Currently the term "Burn-in" is incorrectly used for any kind of permanent display damage, that is caused by the representation of static images. "Burn-in" in it's actual meaning is an effect that only occurs on plasma screens or "old" CRT monitors. With those phosphor based technologies the improper activation of pixels, like the permanent display of motionless images (texts and graphics) or single image parts (logos or tickers), can cause permanent "Ghost Images" of those objects or the image quality is affected in other ways. In a simplified way the burn-in effect is caused by defective pixels whose phosphor aged rashly and in this way have lower luminosity than surrounding pixels of the screen. Defective ("burned in") pixels "save" the permanently and steadily sent color information which then even etch in the glass layer of the screen, giving the phenomenon its name. When a phosphor cell is damaged, it can't produce the same display characteristics as the surrounding cells. The duration until this effect occurs depends on several factors like the quality of the used phosphor, the surrounding temperature or the intensity of the static image, but can also be only a few weeks, if there is a clash of several risk factors.

Burn-in on LCD monitors

The representation of images on LCD monitors is based on completely different processes. In this way those displays are much less susceptible to damages caused by static images. Instead using phosphor to create light and colors, LCDs use white backlight, which is filtered into specific colors by liquid crystals and polyfilters. During this process apparently similar effects to "burn-in" can occur which are called "Image Persistence" or "Image Retention" when occurring on LCD monitors.

In general, however, LCD screens are much less susceptible to such effects, especially when they happen to be professional high quality products like the ones by eyevis. Still several of the already mentioned effects have been noticed on professional displays. The effect is ultimately technology based. Causes of the occurrence, which most of the time are related to operating mode and image quality, are influenceable and almost avoidable through the compliance with simple guidelines.

What is image retention?

Image retention, temporary image retention (TIR), image sticking, image persistence, and image burn refer all to the same phenomenon. When an unchanging fixed image or repetitive sequence is displayed over a sufficiently long time interval this results in parasitic charge (polarization) build-up within individual pixels and sub-pixels at the liquid crystal level in the LCD panel; it affects the display optical properties as it prevents the crystals from returning fully to their normal ‚relaxed' state upon deactivation. The result is observed when the screen image is changed, and a residual image of the previous image can be seen – this is image retention. In most cases, image retention is temporary, and can be reversed by taking particular measures. However, when no measures are taken for long time, image retention can become permanent.

So it is even more important to avoid the occurrence or first signs of Image Retention in the first place, because the occurring effect is excluded from the guarantee.

What are the causes of Image Retention?

) Mostly the prolonged display of static images. Static images can also be black bars in non full screen images (for example a 4:3 image on a 16:9 screen) or static elements of video signals.

) High operation temperatures additionally foster the occurrence of Image Retention.

) Permanently displayed, hard, static edges in images with high contrast such as texts, window frames and lines.

What can be done to avoid image retention?

) AAvoid the prolonged display of static images where possible.. Motionless images can be network logos, window signage or frames that can possibly be deactivated.

) Elevated temperature inside the display fosters the occurrence of Image Retention effects. Try to observe surrounding temperature requirements and ensure sufficient ventilation for the device.

) Reduce the brightness of the screen. Most applications do not require full brightness of the screen. Reducing the brightness reduces the danger of Image Retention and saves power.

) Eventhough electronic components like power adapters, fans etc. are produced to be operated 24/7, we recommend to not run our LCD screens for more than 20 hours a day, so the LCD panel can rest for 4 hours, which prevents Image Retention.

) Switch off the device, when it is not in use. At least switch to Stand-by mode, but ideally switch it off completely with the power switch, which also saves energy costs.

) If images don't have to be seen permanently, the use of (moving) screensaver which supplies the display with changing images, is recommended. Most displays feature a "minimally invasive" screensaver in the shape of a moving line. This line ensures a regular change of the pixels and can be used during normal operation, since it merely affects the image.

) Image Retention usually occurs, where hard edges are depicted, such as the depiction of black text on a white background. If possible such hard changes of contrast should be avoided. Here a time-controlled color intervention of the image could be helpful. When displaying several windows on a screen, a time-controlled change of the locations can help. This rotation of windows can be realized with our eyecon software.

What can be done when image retention has occurred?

) Switch off the monitor for a longer periiod of time. Ideally at least for the same time that it is usually operating.

) Use a rotating screensaver for a longer period of time. Changing activation of LCD cells can contribute to remove the „Ghost Image".

What is Mura?

Mura is another effect that causes clouds on the screen. Those clouds are especially visible with low brightness values. The main reason for the occurrence of Mura is the operation of the display outside of temperature specifications.

This can be caused by a generally high surrounding temperature as well as by a lack of ventilation, due to incorrect installation or soiled ventilation holes. Mura-effects of TFT Panels are – as the other mentioned effects – excluded from the guarantee.

Pixel errors

The new ISO-Standard defines LCD specific ergonomic standards like pixel errors, error clusters, luminance or contrast. Pixel errors are technology and product related properties of LCD monitors that show errors of single cells which are permanently switched on or off. Luminous or black pixels are always visible on the screen. Through ISO 13406-2 all pixel errors are divided into classes. Number and position of pixel errors are decisive for the claim under guarantee. Eyevis displays are exclusively A-degree or class II monitors (unless it is mentioned otherwise) that are only allowed to show a very low tolerance for pixel errors.

One remark at the end:

The DLP projection technology used in eyevis cubes is generally resistant to effects caused by permanent depiction of static images. That makes them the preferential solution for static images like network depictions or SCADA applications.

See, hear and experience

The Prolight & Sound – Branche space for creative economy

The Prolight + Sound is the leading annual fair for event technology. In addition to the extensive range of products and services, many workshops, product presentations and discussions are held.
Of course eyevis was also represented with professional equipment and many novelties at the Prolight & Sound that took place together with the music fair from 21-24 March in Frankfurt. 2.388 exhibitors from 55 countries show the importance that this fair rightly enjoys. After Germany the strongest exhibiting nations were China with 77, Great Britain with 66, the USA with 59, Italy with 48, Taiwan with 36 and the Netherlands with 33 exhibitors.

eyevis was co-exhibitor of their partner Amptown System Company this year. At the booth product innovations in the areas of LCD and omniSHAPES were presented, which drew very much attention. A curved omniSHAPES wall and different displays of the EYE-LCD series as well as the philosophy of ASC's fair presentation – see, hear and experience – inspired the fair visitors.

Additionally eyevis was able to present further LCD monitors at the booth of our partner company Kramer. Through this very successful double presentation of eyevis' products and system solutions, many new contacts were established and of course the possibility was used to deepen and extend existing contacts.

EYEVIS EQUIPMENT AT THE ASC EXHIBITION BOOTH

) 1x EYE-LCD-4600-LHD-Touch
) 4x squareTiles
) 2x EYE-LCD-4600-M-USN-LD
) 4x EYE-LCD-5500-M-USN-LD
) 1x EYE-LCD-8000-LE-700
) 60 omniSHAPES

EYEVIS EQUIPMENT AT THE KRAMER EXHIBITION BOOTH

) 1x EYE-LCD-4600-LHD-TOUCH-2OIR
) 4x EYE-LCD-5500-M-USN-LD
) 2x EYE-LCD-4200-NB
) 2x EYE-LCD-4600-LHD

Thousand-and-one Monitor

eyevis at the Intersec in Dubai

The Intersec in Dubai is a professional sales and information platform for products and services around the topic of security. The fair shows new specialized technologies, equipments and services for the areas of personal security, fire safety and building security. Of course – the product portfolio of eyevis belonged here.
The 14th edition of the fair took place 15th-17th January in the Dubai International Convention and Exhibition Centre and eyevis with their five partners at a common both were represented for the third time at this for the sector immensely important fair in one of the brightest places on earth. To this fair cooperation belonged, next to eyevis, the producer of software for building and security management advancis, the Floria Group, which produces control room furniture, recaro, a producer of control room chairs, Acic, a producer of Intelligent Vision Systems and Avigilon, the producer of high definition surveillance systems.

The idea behind the cooperation, to present a common "carefree package" for the topic of security, showed some effect. The booth drew attention and the visitors were able to convince themselves of the possibilities and the quality of the presented systems.

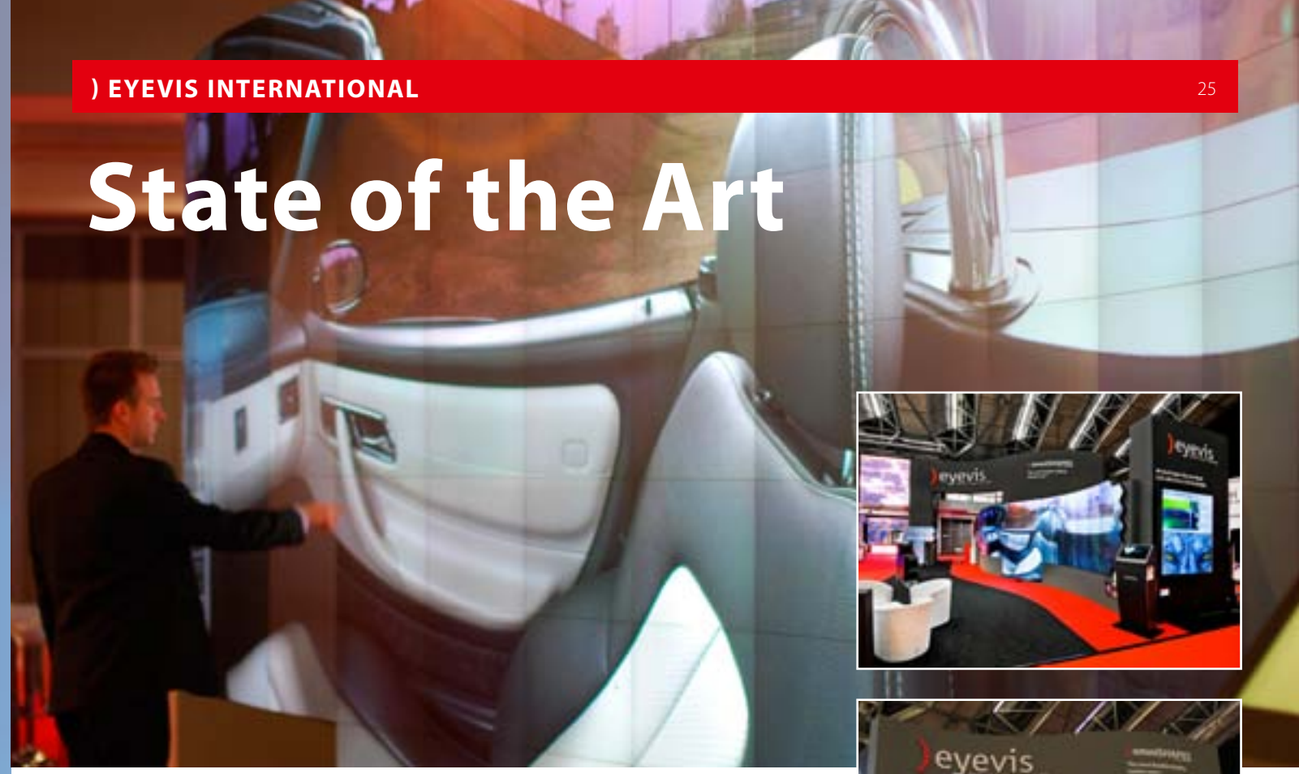
Eyevis' exhibited products drew the interests of the regional and international expert audience. So numerous new contacts were established.

This year eyevis presented among other products a 3x2 46'' and a 3x2 60'' LCD-video-wall with extra small bezel. Also a 3x2 60'' LED cube wall was presented. Moreover, the novelties omniSHAPES and the 22'' transparent LCD were shown. Around the booth eyevis additionally presented single displays of the EYE-LCD-5500-LHD series and the EYE-LCD-4700-24NB.

DEALER'S DAY IN DUBAI

Subsequently to the Intersec the eyevis Innovation Day Middle East took place on 18 January in the Emirates Towers in Dubai. eyevis experts further introduced the presented products at the fair and faced the numerous questions of interested people and partners.

State of the Art



eyevis' latest developments at the ISE in Amsterdam

31 January until 2 Febuary 2012 marked the date again: The Integrated Systems Europe (ISE) opened its doors in Amsterdam. The largest fair for eyevis was a complete success in every respect.
On impressive 117 m² booth area eyevis, additionally to their wide array of professional displays and monitor installations, presented novelties like the eStreamer and the amazing eyevis omniSHAPES.

How flexible and attention drawing these displays, which were only brought to series production last year, can be, was energetically proven by the almost 200 omniSHAPES, which were were arranged to a complete video wall in the shape of a curve. Many of the impressed visitors only realized on second view: the video wall was interactive due to touch technology.

Additionally the omniSHAPES showed their diversity in arrangements as direction signs. Another demonstration arrangement revealed the simple application of the omniSHAPES.

But also other eyevis product innovations were presented. For example a 60" Quad Full HD Display with Direct LED-Backlight. This new monitor stands out by its fourfold HD resolution with 3.840 x 2.160 Pixels on a 60" screen diagonal.

And of course also the 22" and 46" transparent LCDs drew some attention. It is very interesting to see how a featured product can be seen behind the monitor, while information about the product is displayed on the monitor. Here it does not matter if it is images, texts or film sequences. The expert visitors quickly realized the high potential of the new eyevis transparent LCDs that are ideal for exhibition booths, department stores or shop windows.

Another eye-catcher were the new 50" projection cubes with LSXT+ resolution with 500 cd/m² as well as the alsonewly developed squareTILES. The squareTILES are quadratic 21.5" LCDs with an aspect ratio of 1:1 with natural resolution through LED-Backlight. The super flat design makes barless application possible. This development was inspired by the American standard size for tiles.

Further exhibits

- 60" LCDs with flat design, presented with new Front-Access wall mountings
- 3x2 55" LCD wall with interactive touch interface through a touch frame by U-Touch
- New 46''LCD module with super flat design and Direct-LED, presented in a 3x2 video wall
- New 80" LCD with Edge-LED Backlight
- 65" LCD Monitor
- High brightness 82'' LCD with 1200 cd/m²
- eStreamer

From expert to expert

The eyevis Partners & Resellers Meeting 2012 and the subsequent eyevisionary Club Award

) eyevisionary Club

The first international eyevis Partners & Resellers Meeting of 2012 took place subsequently to the ISE in Park Hotel in Amsterdam. Around 60 partners and resellers participated in the event, in which new eyevis products were presented.
However, the eyevis experts did not only present novelties like the eStreamer, omniSHAPES or Transparent LCDs, they also announced further novelties and innovations in the areas of squareTILES, QHD-Displays, Netpix, eyecon and marketing. eyevis' partner company Sonus presented their AV Sound Steles with eyevis LCD technology which are produced in cooperation with eyevis. eyevis technology partner Axis gave a presentation on the latest developments in video surveillance technology.

As a finishing touch to this successful week there was a common dinner cruise along the Amsterdam Grachten, on which all international eyevis partners and resellers were present. Final highlight was the eyevisionary Club Award, at which the following award winners were chosen in a solemnly atmosphere and received the desired trophy:

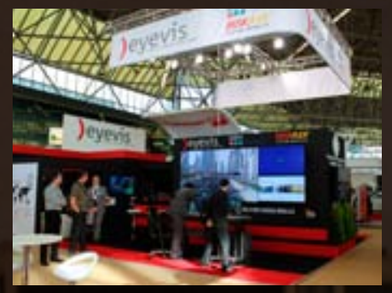
) Aydin Visual Solutions, USA, for the highest investment in a demo system in 20111
) WEY Technology AG, CH, for the highest turnover of an eyevis exclusive reseller in 2011
) eyevis UK Ltd., for the highest increase in turnover of an eyevis reseller in 2011
) Michael Zerdoun, eyevis France, for the highest increase in turnover of an eyevis branch in 2011

Congratulations again to all award winners for this outstanding performances, we are glad to welcome the new club members of the eyevisionary Club.

Not only the eyevisionary Award, but also the solemn supporting program with ist culinary highlights granted this successful evening. All participants will certainly keep it in good memory.

Traffic experts among themselves

The Intertraffic in Amsterdam



The Intertraffic, which is one of the highest ranked fairs of the traffic and transportation industry, takes place every 2 years in Amsterdam.
From 27 until 30 March 2012 developments in the area of infrastructure, traffic management, security and parking were presented. In this year, too, eyevis was represented at this important fair in the areas of LCD, omniSHAPES and cubes and was able to inspire the visitors. Many new contacts were established, old ones were deepened and extended and eyevis was once again able to bring home very positive results.

EXHIBITED PRODUCTS

The following products were presented at the 72 m² booth:

) 3x2 55" LCD with super thin bezel and Direct-LED Backlight
) 3x2 60" Cubes with LED Backlight
) 55" LCD with LED Backlight and super flat design
) 46" LCD with LED Backlight and super flat design
) 60" QHD
) omniSHAPES

REAL CONTROL FREAKS – EYEVIS AT THE TECHNICAL FURNITURE FORUM IN LEIPZIG

Focus of the Technical Furniture Forum is the exchange of information about the latest trends in the area of control room equipment and planning.
David Mrnak, eyevis sales manager for Germany and Switzerland, introduced innovative solutions for the intelligent visualization of video and data presentation in the course of the forum. As the leading producer of large scale video systems for control rooms, eyevis offers a complete system solution for visual equipment and in this way was a sought dialog partner of the numerous experts.

TOP-EVENT

Petrol in their blood

eyevis motor sports news

For many years eyevis has been involved in motor sports as a sponsor and it is a great pleasure for employees and friends of eyevis, to see the eyevis logo on the cars of successful athletes.
This report deals with three hopeful and already quite successful athletes: Sebastian Asch son of the legendary Roland Asch, Steffi Halm a talented young race driver from this region as well as the dragster pilot Ingo Ekert.

Sebastian Asch, the 25 year old son of the DTM legend Roland Asch, who during the last years already competed in prestigious race series, will, as in the last two years, compete in the ADAC GT Masters. After two years with the Porsche GT 3 RSR he will now for the first time step into his father's footsteps and start a race with a silver star on his hood. The eyevis logo will decorate a black Mercedes Benz SLS AMG in the 2012 season.

Born in 1984, **Steffi Halm** from Herrenberg, who in the last years competed in the Porsche Carrera Cup as well as in the Mini Challenge, became famous for her performance at the European Truck Racing Championships. With this she shaked two clichés at once: On one hand the percentage of professional female race drivers in comparison to men is very low, on the other hand this is also true for the male domain of trucks. We believe in our likeable Steffi and we will continue supporting her in 2012.

Dragster racing is rather on the fringes in German motor sports. It is a mere acceleration competition in which on a straight race track two drivers compete in different categories. The cars, the so called dragsters, not seldomly have more than 2000–3000 hp and accelerate to 100 km/h in approx. 1–1,2 and to 300 km/h in approx. 4,3 seconds. The sound and the performance of the cars is absolutely breath-taking and really worth a visit. Eyevis supports the dragster pilot **Ingo Ekert,** who drives a dragster on the basis of a Dodge Challenger.

Not only for connoisseurs worth a visit

View into the exhibition with works of the collection of Marli Hoppe-Ritter and the museum building. Photos (c) Museum Ritter

Museum Ritter in Waldenbuch

MUSEUM RITTER in Waldenbuch, 30 km south of Stuttgart, hosts the collection of Marli Hoppe-Ritter, co-owner of RITTER SPORT.
On the basis of the standard shape of the famous chocolate, the square in new and contemporary arts is the topic of the collection. Changing exhibitions depending on inventories as well as special exhibitions of geometric-abstract art are presented.

Even the building is impressive. A cube like a large sculpture lies in the landscape at the exit of Waldenbuch. Clearly outlined, compact and concise, the elegant appearance of the multifunctional museum building lacks any kind of decoration, roof or light and shadow. In a random pattern large windows are cut into the light brown shell limestone walls. The visitor is lead through an enormous doorway into a roofed passageway that runs through the entire building. This perspective gives the visitor a view on an amazing, framed landscape.

Every exhibition is accompanied by a diverse event program for adults and children. Intensively collecting for more than 10 years now, Marli Hoppe-Ritter put together her unique collection. Meanwhile, the collection includes around 800 paintings, drawings and objects of well-known artists of the 20th and 21st century, which deal with the topic of the square. The use of the square became famous through the Russian constructionist Kasimir Malewitsch at the beginning of the 20th century. He saw it as a symbol for a complete artistic recommencement far from any concreteness or purpose. The square inspires artists to manifold works until today.

The „SCHOKO**LADEN**" – the visitor center of Ritter Sport – is also situated in the museum building. Here the whole diversity of the quadratic chocolate expects you. The elegant museum café, designed by architect Max Dudler, due to it's generous glazing, offers an amazing view on the Aich Valley. During the warm months of the year the terrace of the café is open and encourages visitors to linger.

MUSEUM RITTER
Collection Marli Hoppe-Ritter
Alfred-Ritter-Straße 27, 71111 Waldenbuch

Phone +49 (0) 71 57 - 53 511-0
www.museum-ritter.de

Open
Tuesday – Sunday 11 a.m. – 6 p.m.
Monday closed

Sarah Gorazdza and Angela Moreira Pereira are both in the middle of their apprenticeship to become industrial business managers

One day in the occupational area of an insustrial manager to be

At 7.30 in the morning the day as an apprentice to be industrial manager starts. After dealing quickly but dutifully with the different tasks that an apprentice hast to do in general, they go on to their different departments. Angela Moreira Pereira, who is in her first year as an apprentice, is on her way to her main department, "International Order Processing". There, she is allowed to generate invoices and orders and give advice to customers if there is something wrong, everything under the watchful eyes of her "Misses BOSS".

A few offices further: „Firma eyevis, Bauer, guten Tag..." This is the start in the day for Sarah Gorazdza, who is in her second year as an apprentice. In the department of export and travel organization she is introduced to the mysterious and almost inscrutable world of custom processing by "Mönchen", in civil life Ramona Bauer. Further tasks are organizing travels of employees and customer service. In the telephone exchange she is the next person for customers to go to, after her instructor Mrs. Bauer.

The apprentices' conclusion:
The apprenticeship as an industrial manager in our eyevis-family is not only fun, but it is also very educational and challenging. In the different task areas we are strongly encouraged. Not only when dealing with tasks for the company, but also in human attributes. Due to the fact that we know every eyevis employee personally, working and communicating is a new adventure every single day.

Both of us have 1.5 more years of apprenticeship. Angela shortens her apprenticeship from 3 to 2 years and Sarah had her intermediate exam in February.

We expect the rest of our apprenticeship to be as interesting and encouraging as it has been so far. We hope to meet many more nice business partners on fairs or on the phone and we will do our best to deal with our tasks as carefully as possible.

) Singapur
Marine Coastal Express Highway,
Traffic Control Centre
28x 50" LED-lit DLP Cube (SXGA+)

) Denmark, Kalundborg
Dong Energy Asnaesvaerket,
Energy Control Room
7x 50" LED-lit DLP Cube (XGA)
2x NPX-4804 Controller

) Columbia, Bucaramanga
Centre de control Principal
County Control Centre
3x 56" LED-lit DLP Cube (WUXGA)
1x NPX-4804 Controller
1x eyecon V4 Basic

) Germany, Laatzen
E.ON KW Buschhaus
Energy Control Room
6 x 70" LED-lit DLP Cube (WUXGA)
1 x NPX-4808 Controller
1 x eyecon V4 Basic

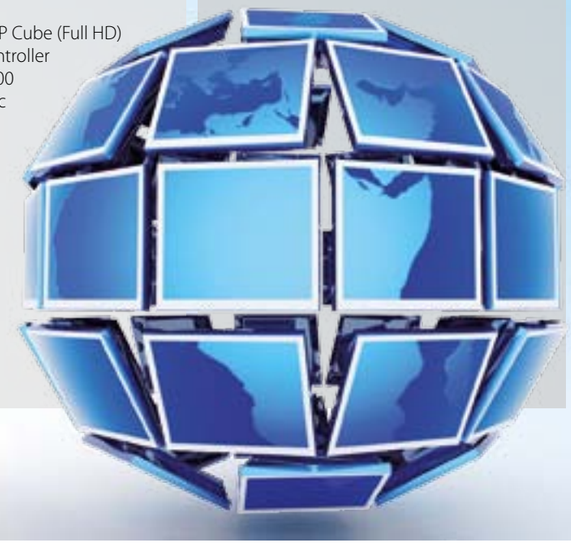
) USA, Indianapolis
Rolls Royce Aerospace
Operations Centre
10 x 67" LED-lit DLP Cube (Full HD)
1 x NPX-4824R Controller
7 x eStreamer eS100
1 x eyecon V4 Basic

) Germany, Ingolstadt
AUDI AG
Pre-Production Centre
40x 50" LED-lit DLP Cube (XGA)

) France, Orly
Aéroports de Paris, RTE
Airport Control Centre
4x 65" LED-lit DLP Cube (SXGA)

) Switzerland, Lugano
Police Lugano,
Security Control Centre
8x 56" LED-lit DLP Cube (WUXGA)
2x 42" LCD Monitors
1x NPX-4808R Controller
1x eyecon V4 Basic
1x eyecon V4 Basic-MultiWalls

) Slovenia, Ljubljana
RTV Slovenia
TV Studio
19x 50" LED-lit DLP Cube (SXGA+)



) Bosnia and Herzegovina, Sarajevo
Aljazeera TV Studio,
News Studio
27x 60" LED-lit DLP Cube (Full HD)

) Italy, Milano
Vodafone Village
Network Operation Centre South
6x 70" LED-lit DLP Cube (WUXGA)
1x NPX-4808R Controller
1x eyecon V4 Premium

) Italy, Milano
Vodafone Village
Network Operation Centre North
6x 70" LED-lit DLP Cube (WUXGA)
1x NPX-4808R Controller
1x eyecon V4 Premium

) Philippines, Diliman
National Energy Transmission
Energy Network Centre
10x 80" LED-lit DLP Cube (SXGA+)
1x eyecon V4 Basic

) Germany, Munich
ADAC Centre
Various Videowall Installations
44x 60" Seamless Videowall LCDs

) Switzerland, Bern
swissconcept AG
Shopwindow Installation
1x 82" High Brightness LCD Monitor

) Luxembourg, Betzdorf
Kayl Data Centre
6x 42" 24/7 Videowall LCDs

) France, Paris
Louis Vuitton Showroom
1x 60" Quad Full HD LCD Monitor

) Switzerland, Bern
Kunstmuseum Bern
Video Arts Exhibition „Industrious"
9x 42" Videowall LCDs

) IMPRINT

eyevision is the official customer magazine of the eyevis GmbH..

Editor and editor in chief:
eyevis GmbH
Sabrina Raschke
Vice editor in chief:
Daniel Kugel
Hundsschleestraße 23
72766 Reutlingen, Germany

Photos:
KD Busch, eyevis, Ben Buchsteiner, Hubertus Drobik, iStockphoto und Shutterstock

Authors of this issue:
Sabrina Raschke, Daniel Kugel, Max Winck, Mark Schmidt, Sarah Gorazdza & Angela Moreira Pereira, Janine Jost, Patrick Schaich, Johan Smidebrant, Hubertus Drobik

Design and text:
BB Werbeagentur GbR
Ben Buchsteiner, Claudia Vitzthum
Stuttgarter Str. 1 • 71083 Herrenberg
www.bbwerbeagentur.de

) EYEVIS ON-SITE

eyevis GmbH is expanding its production capacities in Reutlingen. In only 600 meters distance from our headquarters, a total area of about 3000 sqm at the Achalm Industrial Park has been equipped for the production of our LC display series and our new omniSHAPES. From May this year, the first units in the newly refurbished rooms will be produced. Of course, with the usual high quality of eyevis - made in Germany.

In the next months we are represented at the following exhibitions

- **) InfoComm Asia, Peking, 11.-13.04.**
- **) Fibo, Essen, 19.-22.04.2012**
- **) HMI, Hannover, 23.-27.04.2012**
- **) RTTExcite, München, 26.-27.04.2012**
- **) VGB Keli, Berlin, 08.-10.05.2012**
- **) Technical Furniture Forum, Rotterdam, 09.05.2012**
- **) IFSEC, Birmingham, 14.-17.05.2012**
- **) FKT/Rhein-Main Event, Wiesbaden, 22.-23.05.2012**
- **) ITEC, London, 22.-24.05.2012**
- **) Koba, Seoul, Korea, 29.05.-31.05.2012**
- **) InfoComm, Las Vegas, 13.-15.06. 2012**

Visit our exhibition booth and get to know more about our array of products. The eyevis employees on-site inform you about the possibilities that eyevis offers you. Additionally you can have a look at our exhibits and to assure yourself of the high image quality. If you want to arrange an appointment to get individual information at our exhibition booth at a specific time, just let us know in advance. Send your preferred date at **marketing@eyevis.de** or call us at **+49 (0)7121 43303-0**.

For further information on our products you can download our latest brochures at www.eyevis.de.
You can also watch our product videos there.

) CONTACT

eyevis GmbH
Hundsschleestraße 23
72766 Reutlingen
Germany

Phone.: +49 (0) 7121 43303-0
Fax: +49 (0) 7121 43303-22

Web: www.eyevis.de
E-Mail: info@eyevis.de

) eyevis
PERFECT VISUAL SOLUTIONS