

EYEVISION

At the top of the tree

eyevis' omniSHAPES – always good for a surprise

ALSO IN THIS ISSUE:

A new chapter

New investor paves the way to continue with long-term growth strategy

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ISE 2013

The countdown has begun...

More on page 29

Visit us at
ISE 2013
in Amsterdam
Hall 2, Stand 2A73



WWW.EYEVIS.COM



) WEDDING IN TAIWANESE – omniSHAPES WISH THE BRIDAL COUPLE THE VERY BEST

An unusual request was the start for an equally unusual as exciting project, as Hans-Gunther Nusseck tells us.

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) IN MYSTERIOUS DEPTHS – FROM WATERFALLS TO THE UNDERWORLD, PART 2

One of the most attractive natural wonders in the 'Ländle' is the 'Nebelhöhle' (Fog cave) at the Swabian Alb. Get enchanted!

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Imprint



*Dear customers, friends
and employees of eyevis GmbH,*

with this edition of the eyevision we say goodbye to the old year and welcome the new one. And with the new version of our **Netpix Controller** we have a head start into 2013. For this is not only a simple facelift, but the new Netpix comes with some brand new developments for ultimate performance and outstanding image quality.

In the second part of our series **Natural Wonders of the 'Ländle'** we started in our last eyevision edition, one of the most famous stalactite caves of the Swabian Alb, the Nebelhöhle (Fog Cave), will be introduced.

Especially around the turn of the year it is particularly important for us to be there for those who are not as well off – and inspire other people to do the same. Therefore eyevis supports "Help for Diseased Children", an organization that is without a doubt dependent on the help of others.

Moreover we talk about many of our further developments of our array of products, our projects and fairs which again and again lead us to places all around the world.

A lot of fun and an exciting reading

*Michael Schuster, Michael W. Nagel and Heiko Schleich
Executive Board eyevis GmbH*

EYEVIS IN SOCIAL NETWORKS



Constantly updated information about our projects and products, with many photos and the opportunity to share your experience with other interested people are available at twitter.com/eyevis or on 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:

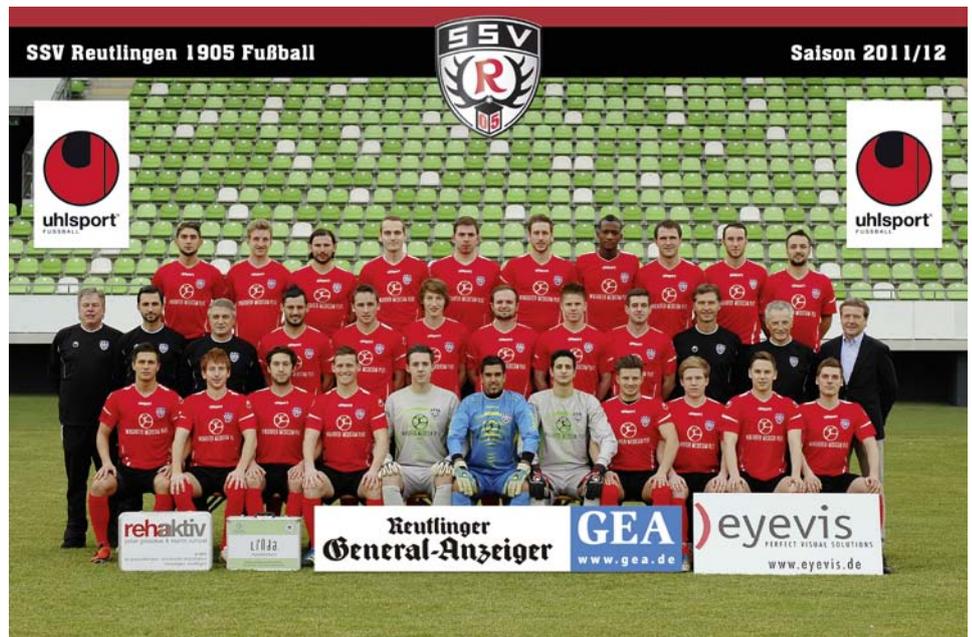
www.eyevis.com



BACK ROW, FROM LEFT: *Ismail Oguz, Denis Lübke, Onesi Kuengienda, Marcel Brandstetter, Lukas Hartmann, Ersah Öztürk, Rouven Wiesner, Vincenzo Parrinello, Marc Golinski*

MIDDLE ROW, FROM LEFT: *Betreuer Klaus Marzin, Physiotherapeut Martin Rumpel, Ufuk Genc, Mike Baradel, Christian Mijic, Franco Petruso, Benjamin Barth, Torwart-Trainer André Cornelissen, Co-Trainer Petros Tengelidis, Trainer Murat Isik*

FRONT ROW, FROM LEFT: *Paul Möisinger, Alessandro Amendola, Pierre Eiberger, Luis Rodrigues, Andreas Rill, Timo Hammel, Marcus Meyer, Matthias Franz, Kim Laudage*



■ Fifth division soccer club SSV Reutlingen has been the flagship in terms of soccer in the region of Reutlingen/Tübingen for a long time. Now – with the support of Reutlingen’s visualization specialist eyevis – it wants to pick up at successful times again.

In 2000 SSV was promoted to the second national division where they played until the 2002/2003 season. In their first second division season they stayed in the top area of the table for a long time and finished 7th. The promotion and the good performances were achieved under Armin Veh, current coach of Eintracht Frankfurt, who won the national title with VfB Stuttgart in 2007. Veh is known for the attractive offensive way his teams are playing. This way also coined his time at SSV. After several financial and athletic setbacks SSV Reutlingen now want to reestablish

BACK TO FORMER
SOCCER GLORY
*eyevis supports
SSV Reutlingen*

themselves in the upper divisions. In order to achieve this goal, the club was able to recruit several local companies as sponsors, eyevis among them. The support was not only limited to mere sponsoring, but Michael Schuster, one of the eyevis founders, is a member of the executive board of the traditional club. It is merely a coincidence that eyevis’ company colors almost equate to the club colors of SSV, however, the club as well as the company have similar goals, since those colors are to be known for quality and success made in Reutlingen far beyond the region.

THE PROFILE OF SSV REUTLINGEN

-) Established: May 9th, 1905
-) Club Colors: Black-Red-White
-) Stadium: Stadion an der Kreuzzeiche, 15,228 seats
-) President: Karsten Amann
-) Coach: Murat Isik
-) Division: Oberliga Baden-Württemberg (5th Division)

www.ssv-reutlingen.de

EYEVIS OFF THE HOOK



eyevis perfect visual solutions - with burning passion.

From Waterfalls to the Underworld

Baden-Württemberg
and its natural wonders

PART 02
Part 01 was
in issue 03/2012
of eyevision

Stalagmites, Stalactites and Pillars

■ **In the last eyevision edition we introduced one of the most beautiful landmarks of our region. From the Triberg Waterfalls we go underground this time to the Nebelhöhle (Fog Cave).**

From the middle of the Black Forrest we turn our attention towards another area: the Nebelhöhle on the Swabian Alb near Reutlingen. The Nebelhöhle (Fog Cave) is one of the two most famous primeval caves of the region. It was first mentioned in 1486 under the name Nebelloch (Fog Hole). This hole was a broad opening in the wall of the cave through which daylight shone into the cave.

The term Nebelloch that was used over centuries is rooted in the observation of fog – especially in winter – coming out of the smaller hole in the cave's ceiling that is today still known as Nebelloch. In old days, when superstitions were still part of everyday life, people connected the Nebelloch to the world of ghosts and demons. However the fog did not have anything to do with creatures from the underworld. On the contrary the explanation is an easy one: Inside

the cave the temperature constantly stays 8 to 10 degrees Celsius with a humidity of 90%. When in winter it turns cold outside, the warm air in the cave rises and escapes the cave through the Nebelloch. Because of the cold outside air the moisture in the cave air condenses and forms visible fog.

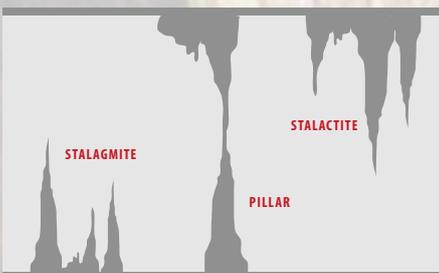
The name Nebelhöhle was not known until the 19th century. However, according to later sources, the cave was known for a long time before. In 1631 German scholar Wilhelm Schickhardt wrote that the cave had been known as long as anyone can remember and was once found by shepherd boys. In 1803 the Nebelhöhle was first made accessible when stairs, wooden trails and bridges were built and in 1920 when more parts of the cave were discovered, the current entrance was installed. The cave became popular when Wilhelm Hauff wrote his novel "Lichtenstein" in which the fugitive Duke Ulrich sought refuge in the cave.

Sawed off! A part of the giant pillar was removed for the restoration of the castle in Stuttgart

Bizarre and sometimes scary

141 steps lead to the underworld of the Nebelhöhle. At the bottom the visitors first go through the new part of the cave, then the old part. The total length known today adds up to 813 meters, whereas only 450 meters are accessible for visitors. The deepest point of the cave is located approximately 780 meters above sea level. Impressively huge corridors lead through a bizarre, sometimes scary and especially fantasy stimulating world of stalagmites, stalactites and pillars (see figure). In many of those dripstones, grown over millions of years, with a little imagination strange figures or other objects can be seen.

The magnificent stalagmites can primarily be found in the second hall that is accessed through a forest of dripstones and where a head-high dripstone stands right in the way. In the last hall a sawed-off dripstone can be seen whose missing part was used for the restoration of the new castle in Stuttgart in the 1960's. This dripstone with its 4.5 meters height was originally the largest in the Nebelhöhle, connecting the floor of the cave with the ceiling like a giant column.



Stalagmites grow from the bottom to the top, Stalactites grow from the top to the bottom and Pillars are columns connecting the floor and the ceiling



The formation of the cave

Today's Swabian Alb was covered by the Jura Sea about 140 – 200 million years ago. Calcareous deposits, sediments and especially siliceous sponge and coral reefs formed heavy deposits which fossilized over millions of years. The movements of plate tectonics lifted southern Germany out of the sea and caused cracks and open joints in the stone through which water seeped into the ground, widening the cracks and giving the Nebelhöhle her current shape.

The growth of the dripstones began with the drying of the floor of the cave: Calcareous seepage water comes into contact with air in a cavity. The chemical reversal of the lime removal process begins, lime is excreted, since the air in the cave contains less carbon dioxide than seepage water.

Several factors determine the growth of the dripstones: The drip-rate is as important as the amount of dissolved lime in the seepage water or the possibility to deposit lime through concentration balance. As a rough reference value a growth of 1 – 3 cm in 60 to 80 years is assumed for the Nebelhöhle.

NEBELHÖHLE

OPEN HOURS

April through October: Daily 9 a.m. to 5:30 p.m.

November and March: Saturday, Sunday and Hollidays: 9 a.m. to 5 p.m.

Fall Break: Daily 9 a.m. to 5 p.m.

December through February the cave is closed due to winter break and bat protection.

ENTRANCE FEES

Adults: 4 EUR (Group: 3 EUR)

Adults reduced: 3 EUR (Students, Seniors etc.)

Children (6 to 14 years): 2.50 EUR (Group: 2 EUR)

Family Ticket: 10 EUR

www.sonnenbuehl.de

www.gemeinde-lichtenstein.de

Performance, Innovative Strength and Future Chances

An interview with eyevis' new leadership

■ Only recently eyevis officially announced profound reorganizations of their shareholder structure and a simultaneous change of their corporate management. Michael W. Nagel in the future takes the post of CEO for the withdrawing Michael Schuster, Heiko Schaich, member of the previous

management, stays CTO. In the following interview the two new – and in one case old – faces of eyevis answer our questions.

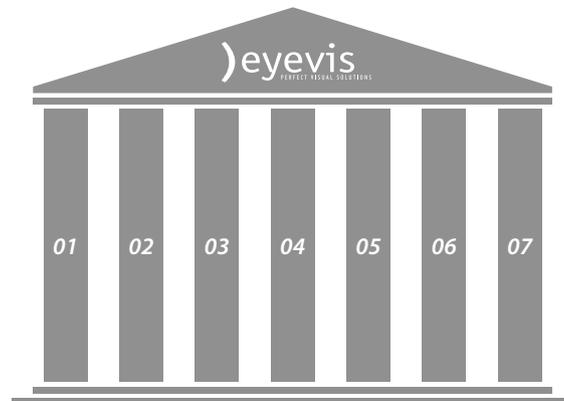
Mr. Nagel, for one week now you have been CEO of the eyevis-Group. What impression did you receive of the company in this short period of time?

MICHAEL W. NAGEL: I am impressed by eyevis' performance. This is particularly true for their innovative strength, their performance



*eyevis' new management:
Michael W. Nagel (on the left) and
Heiko Schaich*

*eyevis Perfect Visual Solutions
House – the Seven-Pillar-
Strategy*



as a full-range supplier for professional visualization and the outstanding and motivated employees.

Mr. Schaich, as CTO of the eyevis-Group and co-founder, you were present since the first hour of the company. How do you perceive the changes in shareholder structure and the respective chances for eyevis.

HEIKO SCHAICH: Especially the desired, continuous growth in international markets I see as great potential in our new constellation. This on one hand refers to the financial solidity as a basis for the company, on the other hand it refers to the coverage and development of innovations. And even in this short amount of time I perceived Mr. Nagel as a solid and cooperative shareholder.

As CEO – respectively CTO – you will face different challenges. What are you looking forward to in particular?

MICHAEL W. NAGEL: Everyone is looking forward to upcoming tasks with excitement and joy. Particularly interesting for me will be the development of distribution channels, especially concerning international markets. Even more than so far we want to be an initiator for innovations and in some defined market segments we clearly strive for market leadership. Here, one of the most important aspects for me is the satisfaction of our customers and of course of our employees. Since only with a cooperative partnership it is possible to achieve the desired growth and be one step ahead of the developments.

HEIKO SCHAICH: This is absolutely in accordance with my intentions. This is why for me the development of our product portfolio is the logical consequence. In fact, in every field, hardware as well as software

and service true to our philosophy “professional visual solutions from one source”. In addition I see the extension and structuring of our production as an important cornerstone of our growth strategy with the goal of technological leadership.

Are there special groups that will particularly be put into focus?

MICHAEL W. NAGEL: In my opinion every segment has an enormous growth potential for eyevis, since with the structures so far we were unable to seize the existing chances.

Mr. Nagel, in your first speech in front of the employees you introduced the Seven-Pillar-Strategy. Can you tell us about it?

MICHAEL W. NAGEL: The Seven-Pillar-Strategy covers all important factors eyevis needs for a healthy, solid and especially long-term growth. I call this basis the “eyevis Perfect Visual Solutions House” which is built out of the implied seven pillars. Here is an overview over those seven pillars:

- 01 Development of customer orientation and customer satisfaction
- 02 Development of innovations and innovation leadership
- 03 Extension of the product and service portfolio
- 04 Significant extension of distribution channels in new markets/segments and countries

- 05 Improvement of structures and processes to meet the strive for growth and in this context also continuous improvement of employee satisfaction as well as the
- 06 Establishment of financial solidity to secure innovations and operative capacity
- 07 Creation of a strong market connection through a consequently implemented branding that differentiates eyevis from its contestants

That eyevis is on the right track in terms of development over the last few years is underscored amongst others by the reception of the Innovations Award of the Kreis-sparkasse Reutlingen and the Innovate Award of the British AV-Magazine. For both Awards the development of the eyevis omniSHAPES was decisive.

What do both of you see as the greatest challenge among the upcoming tasks?

MICHAEL W. NAGEL: A topic that currently almost every technology company in Germany is engaged in is the search for qualified personnel. This is also true for eyevis. We need capable people who help to carry and consequently implement our philosophy in order for us to provide our customers with the best and most professional solutions and significantly contribute to their satisfaction.

HEIKO SCHAICH: One of the greatest challenges but also one of the greatest chances for me is the development of innovations for future demands of the market. In addition, we need to maintain our product quality *Made in Germany* or even be one step ahead of it in order to meet our customers' needs in a satisfactory way. Thereby we provide highest flexibility concerning individual demands and product specifications of our customers.

Mr. Nagel, Mr. Schaich, thank you very much for this open and highly informative interview. We wish you all the best for the future.

(Interviewed by Sabrina Raschke – eyevision editor)



**WHEN PEOPLE PART,
THEY SAY "GOODBYE"**

*Dear employees and customers,
dear friends,*

Parting hurts, especially when my own "child" is given to other hands. For me as CEO and shareholder of eyevis GmbH, with the successful succession policy of the shareholder structure and the management, the time has come to leave the company I co-established.

The changes primarily aim on optimally organizing company succession at eyevis and in this way provide a basis for a further development and extension of business operations. I perceive the succession policy as a great success, since it creates the necessary conditions for a long-term continuation of our successful growth strategy. Here, Brockhaus Private Equity is an ideal partner, since this holding company, characterized by medium-sized businesses, paved the way for the implementation of internationalization strategies of numerous medium-sized technology enterprises.

The past 17 years since being with the establishment have flown by for me. Beginning with the founding days, inspired by the Swabian inventiveness, the enthusiasm for products and the market, up to the international medium-sized company that eyevis is today, I was able to see through and lead the development. Especially in the first years, this was a partially bumpy path until we were able to convince our customers of the quality of our products and the flexibility of the company.

Not least through your trust in us, we were able to go down this path and write a real Swabian history of success. In my time as CEO I was able to make many interesting and friendly acquaintances and realize numerous great projects with a growing number of customers. To the same degree eyevis GmbH has grown and with it our entire eyevis family with all our partner and subsidiaries in the whole world.

The Swiss designer Roberto Niederer once said: "If someone is indispensable in a company, the company is wrongly organized." Not without pride I can therefore say that I can pass on eyevis to my successor Mr. Michael W. Nagel as a healthy company that is prepared for the future. Of course I will still accompany eyevis GmbH in the future as an objective advisor in my capacity as member of the company's advisory board, but also from an emotional perspective, for I will stay connected to eyevis with all my heart and soul.

With this in mind I sincerely say "Thank you" for this great time and "Goodbye".

Yours,

Michael Schuster

Attractively different, simply convincing

Eyeling – Attention through
eyevis technology

EYELING

■ **It is a real challenge to stand out in today's time of overstimulation. The creation of brand awareness is the key to conveying sales and product messages. But how do you get the attention of the target audience when all competitors are trying the same – and especially in the same way? Based on professional LCD display technology from eyevis, 3DTEC from Sweden now presents its *Eyeling* solution that really stands out of the crowd of competitive products.**



With *Eyeling* it is possible to increase brand and product awareness by more than 50% through eye-catching technology. Because *Eyeling* is a multidimensional display, designed to create an impact on its audience. Its distinguished shape and unique functionality attract everyone.

Let messages do their work

Eyeling does much more than just depicting a dimensional image. The intended message is the central and most important element. For this reason the *Eyeling*-Team closely cooperates with customers to ensure that the overall content is just as dynamic as the display itself.

If it is "just" a simple, rotating company logo, or a complex, computer generated film, eyevis has the know-how to get the message across and grab the audience's attention.

Eyeling is available in three different sizes. No matter if the free standing, hanging or built-in version is selected, the image improvement and the plus in attention are noticeable convincingly. Not the advertising media, but the brand is always in the lime-light. This is why *Eyeling* in color, material and accessories can be completely customized to individual customer needs.

Eyeling – a simple, but effective solution

Eyeling can be applied in retail stores, show rooms, airports, shopping malls and many more. But *Eyeling* can also be used to add prestige and charisma to company reception areas or lobbies. *Eyeling* is easily installed and transported since it fits neatly into a single box. The entire system is designed robustly and durably enough for the operation on trade fairs and events. With a high operational safety and convenient operability *Eyeling*-models with eyevis LCDs are construed for 24/7 operation, thereby the media players are controllable easily and intuitively.

Possibilities for every demand and budget

To meet the needs of different marketing strategies and budgets, there are different possibilities to access the *Eyeling* multidimensional display. For a one-time exhibition or event the eyevis short-term rental option might be the right choice.

If the *Eyeling* is intended to be displayed in a shop window or at the point of sale for a longer period of time the leasing option might be the way to go. For permanent use in a show room or reception area the product can be purchased. The decision is entirely up to the customer.

Find more information on:
www.eyeling.com

Addition to the Family

eyevis Netpix Series
of the latest generation



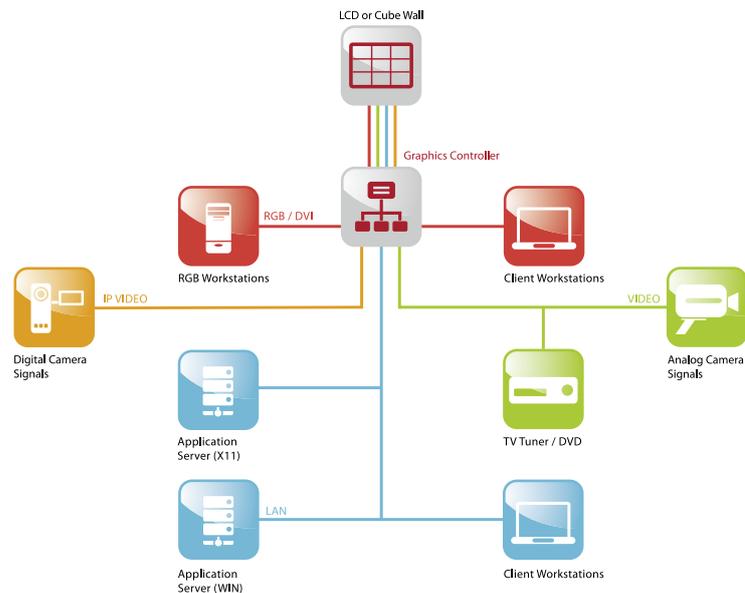
■ For many years the eyevis Netpix-Controller has been the centerpiece of sophisticated large-scale video installations and single monitors or projectors. To meet these demands in the future and further the technological standards the NPX4800-Series is extended by two controllers. So the future Netpix-Series contains three network-based graphic controllers.

The controllers of the Netpix-Series generate a connected desktop interface out of different outputs that can be used to display network data, video and graphic sources. All input signals can be moved, scaled and placed freely onto the video wall. Through the MultiScreen function any video wall configuration can be realized. With additional features like MultiResolution the controller allows for different resolutions to be combined with non-rectangular layouts. The features *Underlap-Mode* for thin-bezel display modules, *Overlap-Mode* for overlapping edges and *Pivot-Mode* for portrait and landscape depictions underscore the flexibility of the controller.

So far eyevis primarily offered the standard controller Netpix-4800. The NPX4800-L only plays a smaller role, since, as a mere CPU-housing with fewer input and output boards, it was only designed as a basis for small and starting configuration solutions.

Up to date – NPX4800-G2.0

The aforementioned NPX4800 was only recently updated with latest hardware components and introduced in generation G2.0. In the last edition of the eyevision we talked about this update in detail, so this time we will skip this part. However, it should be mentioned that due to constantly growing memory development future controllers will be delivered cost neutral with 8 GB RAM and 180 GB SSD. Furthermore this model can be flexibly extended through hardware upgrades.



Absolutely High-End – NPX4800-PLUS

This controller is the top device of the series and with a high number of input and output boards leaves nothing to be desired. It provides diverse possibilities for the connection of analogue and digital video and graphic signals through his input boards. The Switch Fabric architecture allows for the simultaneous display of numerous video and graphic sources. Through the use of SBC architecture (Single Board Computer) this type does not need separate CPU units. Due to the revised output boards the NPX4800-PLUS is capable of controlling up to 64 outputs per system. Like all NPX4800's it can be equipped with different input boards for video, RGB/DVI-, HSDI and IP signals, but provides up to 49 card slots.

Cheap Version – NPX4800-LC

The Netpix version LC is an alternative for medium and small sized control rooms that are equipped with inexpensive but high-quality hardware components. Like for the NPX4800-PLUS in comparison to the NPX4800-G2.0, no separate CPU unit is necessary. However, the hardware architecture of the NPX4800-LC does not allow for larger changes. Extensions, upgrades etc. are not or only hardly possible. The controller can display up to 48 output signals and can be equipped with up to 16 GB RAM for working memory intensive applications.

In conclusion: even more possibilities

Through the new diversity within the Netpix-4800-Series, eyevis visualization systems and solutions can now be adjusted to customers' needs even more specifically and individually than what the former packaging allowed for.

The controllers of the Netpix-Series provide the right solution for every project with the eyevis typical quality "Made in Germany".

The next Generation

NPX4800-IPD32 – The latest version of the successful eyevis controller



THE MOST IMPORTANT FEATURES OF THE NPX4800-IPD32

-) Support of individual codecs or customer specific systems
-) Support of thousands of cameras
-) Simultaneous decoding of up to 32 channels in D1 quality per IP Decoder Board
-) Simultaneous decoding of up to 16 channels in full HD quality per IP Decoder Board

UNTERSTÜTZTE HERSTELLER

Alstom Visor; Avigilon (HDSM); AXIS MPEG4/H264; BOSCH MPEG4/H264; Comerson; Funkwerk; GE; Genetec Omnicast; Haivision; Indigovision; Lanaccess MPEG4; Macnetix; Mobotix MXPEG; NetVu; Panasonic MPEG4/H264; Pelco MPEG4/H264; Seetec Software; Siemens CX MPEG4; SIQURA/Optelecom MPEG4/H264; SONY MPEG4; Sprinx Technologies MPEG4/H264; Synectics; Teracue MPEG2/H264; Vivotek MPEG4

The list of integrated codecs is constantly updated. Project-specific integrations can be realized on demand.

■ eyevis products are always up to date. Even more: they are – wherever it is possible – one step ahead and set innovative trends. This is how the high-tech company from the 'Ländle' sets its own standards. Not least for this reason, we are now proud to present the brand new IP Decoder Board.

In every sector demands are increasing and this is particularly true for sensitive areas like control rooms and security centers. What is expected of visualization and surveillance solutions today – and in the future – is much more than it was a couple of years ago. For this reason as well, the previous NPX4800-IPD8 was developed further and became the IPD-32.

The primary goal was to be able to depict more streams at once on a video wall. In combination with new software and more effective decoder processors the new IPD32 in addition to the quadruplication of the number of D1-channels provides the possibility to decode up to 16 full HD streams.

Like its predecessor, the IPD32 decoder, due to the open architecture of the NPX4800 family, can be included in all NPX4800 systems. In contrast to software decoding, up to 512 D1-Streams respectively up to 256 HD-Streams can be displayed with a single NPX4800 system through the use of external hardware architecture.

In connection with the new eyecon V5 software and its MetaWalls feature an almost unlimited number of decoded streams can be reached. As before, in a NPX4800 system there is always the possibility to combine the IPD32 decoder with various other input boards, such as analog video input cards or RGB/DVI cards together with the IPD32.

Through these diverse extensions and features, the decoder board is especially one thing: almost universally applicable.

Through the combination of all individual elements a particularly effective controller with a high number of different inputs is created without having to rely on an additional system. This functional system design allows for later extensions without any problems, since the exchange of the entire hardware is not necessary.

Due to the support of individual codecs or customer specific systems, individual customer needs can be implemented specifically.

Everything on one wall

Development of IP-Decoding-Solutions

■ **IP-Decoding provides a number of important advantages; but above all it offers the possibility to display numerous signals – even different sources – on a single large scale video system. The current eyevis IP-Streaming-Decoder-Solution therefore relies on the latest generation of universal decoding of cameras, encoders and DVRs over IP networks. Enno Herr (eyevis software development) talks about the development of this completely digital solution:**

First steps...

...in IP decoding at eyevis started just under five years ago with the NPX3800. For the first time a fully developed solution was presented that was able to display IP streams of different manufacturers on an eyevis large scale video wall. IP-Decoding from this moment on became a standard product among already existing functions of split-controllers.

Top Priority: Flexibility

With the introduction of the NPX4800 generation two and a half years ago the experience made so far was put into a complete redesign. The goal: a modular, flexible and expandable system that could be adjusted to different project demands without much effort. The result of the development was the product known as IPD8.

With this product we were able to offer our customers a solution that allowed for eight different D1-Streams and even at that time two different HD-Streams to be saved and displayed in top quality. Through the flexible concept it was possible to find customer and project related solutions through specific adjustments even in difficult surroundings. The integration of new camera manufacturers, the respective codecs, SDKs or APIs, was facilitated which resulted in a significantly shorter development time. A vast number of different cameras was included in order to be able to cover as many projects on the market as possible. This sustainable

approach with all its advantages still affects the basic concept for our further developments, integrations and the respective products.

HD becomes a standard

To meet the demands, especially of the growing occurrence of HD in the field of security and to cover the increased need for IP-Streams, a high-performance hardware was installed on the basis of existing experience.

The advantage: the decoding software does not have to be adjusted and in this way all integrated cameras and encoders are preserved. The new IP-Decoder will have the product name IPD32. According to the nomenclature so far, this means that 32 D1-Streams can be displayed. To meet the need in the field of HD the new IPD32 is able to decode up to 16 HD-Streams.

SDK- and API-Connection – even for video management systems

The open architecture that was applied since the IPD8 in combination with the already existing interfaces of the eyecon software allow for an easier integration of SDKs and APIs as well as the integration for the control of the large scale video wall out of Third-Party-Software. For an example for a successful SDK integration into the IPD8 see the Lugano fire control center project (*page 18 to 19*). In this project the streams of the available Avigilon encoder and cameras were connected as well.

An eyevis large scale video wall can among others be remotely controlled by the following Video-Management-Systems (VMS): Seetec, Genetec and Bosch. On the counterpart it is not only possible to integrate Third-Party-Software on our site, since the open architecture and unified protocols between different components allow for a simple integration as well.

In the same way as for the integration

of cameras and encoders the connection of different VMS is maintained and kept on the respectively latest standard and, of course, the connection to not yet connected systems is pursued consequently. The IPD32 Decoder in combination with the latest versions of the Netpax-4800 series (see article on page 10) covers every eventuality.

Looking forward – IP everywhere

Moreover, we are going to expand our IP-Decoding-Line through according embedded components in the displays early next year. This makes the connection to VMS mentioned above even easier – particularly for smaller installations. In a similar way the MetaWall function of the eyecon software can be used to operate them through an interface.

The transmission of video files via IP – no matter if camera or encoder based – meanwhile has become an inherent part of every larger project and in this way became a standard product which we are going to maintain and develop further. On the other hand we are already excited about which new and interesting products we will find on the market in the future.



IAA 2011
in Frankfurt

eyevis
omniSHAPES
are ideal
Globetrotters

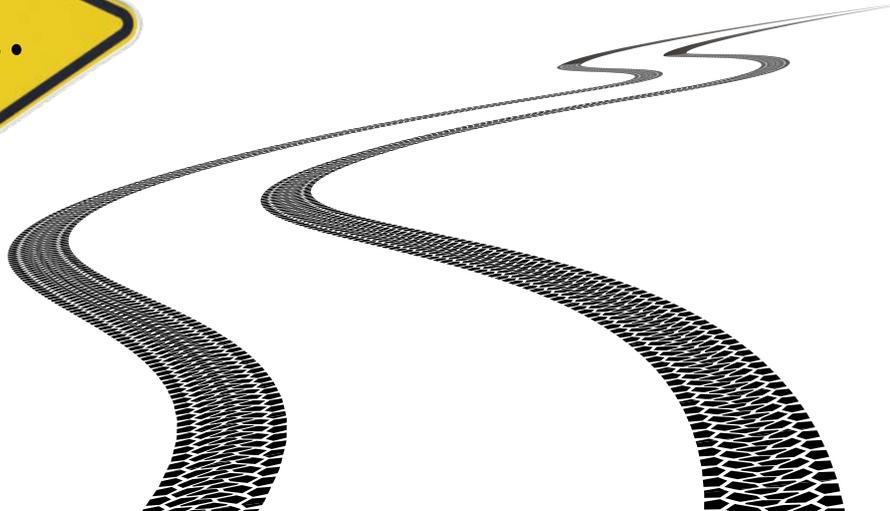
■ **Unshakeable and yet highly flexible – that is how an even technician wants a video wall to be. Unwrap – Set up – Turn on. Ideally without having to screw and puzzle much. After the application quickly back into the box and straight to the next application – a real challenge for the material of complex visualization systems. eyevis omniSHAPES are perfectly suitable for this kind of use.**

The development phase of the eyevis omniSHAPES already brought up the rental event market as a possible field of application. For this reason the mechanical concept of the omniSHAPES was designed to be set up and disassembled easily, quickly and precisely.

On one hand there was the demand for a flexible but also robust system that allows

for different setup shapes “out of the box” and that makes a setup without screw-on parts and ideally entirely without tools possible. On the other hand a precision as high as possible was necessary in order to allow for an entire image area with even and small bezels between the single monitors. In addition the whole system should be self-supporting and stable enough to meet demands of fair construction and event technology.

Over 40 international applications within the last year speak for themselves in terms of robustness and operational safety of the omniSHAPES. All in all more than 2500 omniSHAPES were installed and disassembled as walls in different shapes. And that almost everywhere on the planet: North and South America, Japan, China, Taiwan, Korea, England, the Netherlands, Belgium, France, Italy, Spain, Russia, Sweden...





*infocomm 2012
in Las Vegas*



Such applications are almost always performed under time pressure and most of the time under rough circumstances. Increasing interests in omniSHAPES rental and event applications show that the small displays with huge opportunities are particularly well applicable under such demanding circumstances through their well-engineered and flexible mechanic concept.

Moreover: in comparison to other systems the setup is performed quicker, easier and more adaptable. Those characteristics make the omniSHAPES a good and welcome partner in event technology. For the presentation of exhibition booths or events omniSHAPES allow for diverse shapes without customized or complex frames. The mechanic concept makes it also possible to realize flat and curved arrangements even with the standard elements, at which convex shapes as well as concave ones are practicable. The wall itself stays self-supporting. The flexible concept allows for relatively effortless reactions to changes on site, if for example the basic frame of a fair constructor does not exactly meet the requested size.

In a field where "Last-Minute-Changes" are common and accuracy is more defined in centimeters instead of millimeters, omniSHAPES provide the ideal solution for video walls. Our experience from applications so far showed the strength of the system, but also brought up wishes for improvements of the system. For us this feedback is a valuable guideline for the further development of the system.

*ISE 2012
in Amsterdam*



An eyevis Christmas Story

The creation of the omniSHAPES Christmas Tree

■ eyevis is always good for extraordinary ideas, which the past has shown quite often. Fitting the season, in eyevis' development department's witch's kitchen one of the most extraordinary ones was thought out.

"It is not like we were bored in the construction department. But for the realization of good ideas we always somehow find a little time. 'A Christmas tree made out of omniSHAPES...'; I heard someone say between two mouths full of roast joint. Of course, and a little bunny for Easter!

Back at my computer my colleagues' idea during lunch break was stuck in my head. Slowly a first image took shape – first in my head and shortly after on a display. 'Cool!' said a voice behind me. I had not even realized that two colleagues were standing behind me. Further holding on to their cups of coffee, they started making suggestions to improve the idea.

The first draft became a second and a third one. The devil often is in the detail.

'This can be realized with conventional omniSHAPES, we only need some metal parts.' Those words also convinced the executives and the idea became a real tree. But the Easter bunny better stays made out of chocolate...'

This reports Felix Weise, head of the construction department at eyevis, about the creation of the Christmas tree out of omniSHAPES. This most extraordinary design is assembled out of eleven omniSHAPES with square, pentagonal and hexagonal elements in a curved and at the same time terraced arrangement. With a height of 183 cm and a breadth of 190 cm it is an ideal eye-catcher, not only during Christmas time.






The new control room is equipped with latest eyevis technology

WHEN IT'S ABOUT ENERGY

eyevis technology in the EnBW coal block of Karlsruhe's Rhein harbor steam power station

■ **At the location of EnBW Rhein harbor steam power station in Karlsruhe a new coal block is created east of the existing complex. It is an essential part of environmentally friendly power supply and is going to set new standards for efficient and environmentally sound power generation out of coal with numerous technological innovations. This is also true for the new control room that features eyevis high-tech.**

An innovative two-level-concept for control and visitor level provides the basis for the new control room. This division allows for the upper level to be used for coordination and initiation and to offer a good view over the complex after its completion, without disturbing processes and operation.

The shape of the building with its convex facade inside the control room area is picked up and continued on the inside of the control room. A glass dome and the

completely round arrangement of the control room with all its installations emphasize the features. But this sophisticated design in combination with the through the two-level-concept unusual height of the room also imposes great challenges on planning and appliance.

The results of the acoustic calculations and the planning of lighting were implemented with the help of the most modern acoustic and photometric components. Design and ergonomics in this way form a closed and harmonic unit. For the visualization system of the control room, the operating company is relying on eyevis rear projection Cubes with LED technology with extremely long lifetime. 7x2 EC-56-LWXT-CP rear projection Cubes that guarantee perfect image quality were installed in this project.

Besides the company eyevis Herglotz and Siemens were involved in the realization of the basic idea of EnBW.

Everything perfectly in sight – eyevis video wall in Tessin

WEY is relying on eyevis technology for the new police operations center in Lugano

■ Lugano is situated in the very south of Switzerland idyllically at the shore of the lake that owes his name to the city. As with everything else, people in Switzerland place great importance on smooth perfection. For this reason the “Polizia Città di Lugano” has integrated numerous different information, process and alarm systems into a functional unit. In this process a secure and ergonomically exemplary solution was created which is easy to handle and future-proof. Like with many other projects WEY as the integrator is relying on eyevis large scale video technology.

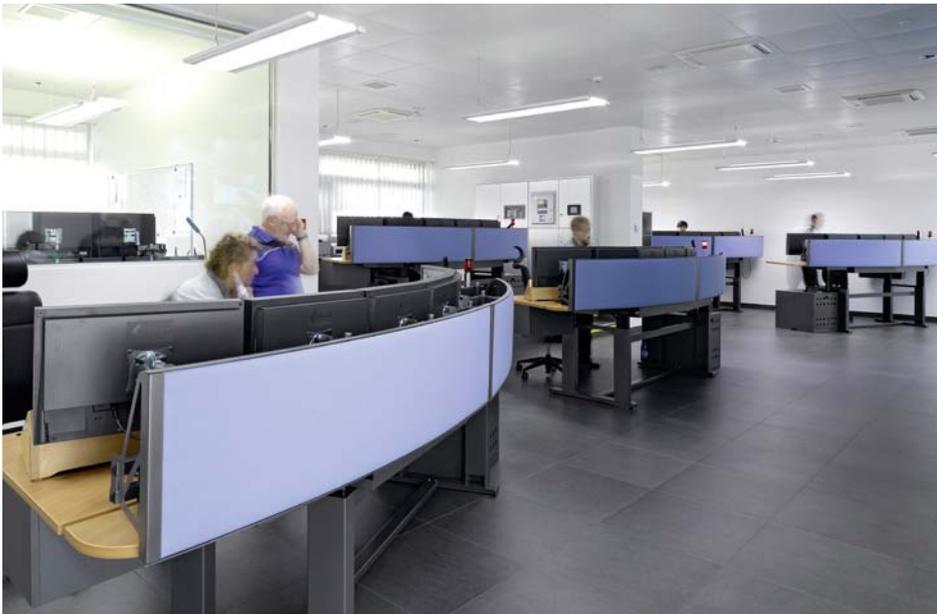
Over the years the technological equipment of the old operations center became more and more complex through many new requirements without having a suitable integration concept to simplify and standardize the handling. Operative process changes and numerous new tasks additionally lead to an increase of the number of operators in the center.

The latest example of this trend is the project of the new tunnel Veduggio-Cassa-

rate which forced the city of Lugano to redesign their road and traffic light control system. In addition 118 emergency calls recently have to be received and processed for the whole canton. To face those tasks, conditions and the control concept as well as the ergonomic situation of the operations center appeared to be more and more overstrained – a solution had to be found. Lugano City Police in the framework of an advertisement decided to go with the “WEY-Distribution-Platform”, since it perfectly meets the requirements of the advertising criteria for the new operations center with its comprehensive integration concept.

Now the operators have seven workstations with up to six monitors available that can each be controlled with a single multifunctional WEY keyboard. All integrated systems as well as large scale image displays are conveniently controllable from any workstation. Thanks to WEY-Event-Management-Systems all results (alarms, system reports, failures etc.) are automatically displayed at the workstation and/or on a large scale video display.





Also new: all computers of the integrated systems are now placed in a central, air conditioned system room and the computer signal distribution of video, keyboard, mouse and audio is handled by the "WEY-Distribution-Platform". Due to that, noise and heat emissions in the operations center are reduced, ergonomics at the work stations are increased, maintenance is facilitated and CO₂ emissions are reduced considerably.

The large scale video screen

For the large scale screen six WUXGA-LED rear projection Cubes in 56" (2x3 configuration) were put into operation. With this the large scale video screen provides an almost bezel-free total image area of 3.63 x 1.51 m. Currently the large scale video screen is used to display the 47 available video cameras. In the near future 200 more video cameras are supposed to be added for the surveillance of pedestrian zones and parking lots (Project Security). Besides the video camera images computer video images from the "WEY-Distribution-Platform" are connected to the large scale video screen as well.

The large scale video screen is controlled by a high-performance Netpix graphic controller with five eyevis-IP-Streaming-Video-Decoder-Boards. The IP-Decoder-Boards allow for the simultaneous depiction of up to 40 video streams of different origin. The management of camera and computer video sources on the large scale video screen is assumed by the eyecon wall management software. The special feature: the WEY-IP-Remote-Extenders are completely

integrated into the eyecon wall management software. In this way the signals of the WEY-IP-Remote-Transmitters can already directly be used by the eyecon wall management software for controlling a large scale video wall and the controllers, as well as of the WEY-Distribution-Platform-Components, guarantee for a high failure safety.

The complexity of the task, the technical and financial conditions as well as the tight schedule imposed a considerable challenge for all involved parties. WEY sees the outstanding project organization and the extraordinarily good communication of the city of Lugano as extremely important for the successful implementation. About the cooperation with WEY, Mr. Enos Escher, head of the IT department of Lugano City Police, says: "WEY instantaneously had the distinction of being able to integrate complex systems and still keep the simplicity and lightness of the handling that is absolutely necessary in terms of operability." He further elaborates: "The company met our needs in a competent and flexible way."



Who is WEY?

The Swiss WEY Group with its innovative solutions has been world market leader in the technical equipment of trading floors for over 25 years. For several years to different demands adjusted developments are present which allow for individualized and integrated solutions for control rooms and operations centers. These solutions have been able to achieve growing success in Europe. Numerous operations centers in the sectors of transportation (flight, rail, traffic), energy (power stations, supply), industrial production and blue light organizations were equipped with WEY solutions ever since.

www.weytec.com

WHAT IS THE WEY-DISTRIBUTION-PLATFORM?

The WEY-Distribution-Platform is a system that allows for the connection and distribution of standard interfaces. This can be computer video signals, serial signals, audio signals and data signals (KB/MS). Through this intelligent architecture it is possible to connect the aforementioned signals individually or together to workstations or the large scale video wall for work process changes without large adjustments. This guarantees highest flexibility.

EYEVIS omniSHAPES ROCK THE ISLAND!

First omniSHAPES
installation in Great Britain
completed



■ **Telefonica Digital, the parent group of O₂ is an important participant on the European telecommunications market. The secret to success: Telefonica bundles up abilities and experience of all sister companies within the group and through that is able to always provide the right solutions. In the Telefonica Digital headquarters in London the first omniSHAPES installation was put into operation.**

What makes this installation special is the creative check board design that was created by Christian Bozeat of Emergent AV and that was configured to a video wall including 28 omniSHAPES.

The innovative design of the omniSHAPES videowall complements the high-tech theme of the newly acquired Air Street Project near Piccadilly Circus in London. This features impressive office accommodation, with conference and meeting facilities for the new headquarters of the digital media business of multinational telecommunications.

The client chose the revolutionary technology following the launch of omniSHAPES to the UK market at Screenmedia Expo in May. Smartcomm has an outstanding track record, offering a consultative service and

providing the very latest AV technologies for commercial, residential and communications solutions.

Mark Allen, Commercial Systems Consultant at Smartcomm said: "The omniSHAPES videowall has created a unique technologically-advanced experience for the project; with its pin sharp images, incredible viewing angle and low power consumption, making it the ideal solution. Other features of the project include an amphitheatre fully-equipped for high-tech presentations, an assortment of displays ranging from 40 inch to 103 inch screen diagonal and advanced projection imagery in the reception area, which provides an incredible tunnel effect."

PSCo Technical Distribution, the UK's leading AV distributor, has been working closely with a dedicated consultant to supply much of the AV technology for the project including the omniSHAPES videowall. The company's expertise lies within large format display and videowall technology which has enabled them to provide additional advice and assistance within the set-up, calibration, configuration and aftersales care of this new technology to Smartcomm.

Paul O'Reilly, former Managing Director of PSCo Technical Distribution said: "We are delighted to be working with Smartcomm on this exciting project to supply some of the most visually innovative display technology available. As the UK's exclusive distributor of the newly-launched eyevis omniSHAPES, this revolutionary new product is the perfect solution for the brief, which combines the very latest AV applications with a creative aesthetic for a truly inspiring technologically advanced installation."

A nice compliment for eyevis, who were drawing worldwide attention ever since the introduction of the omniSHAPES.

C'EST FANTASTIQUE EN BELGIQUE

Flemish Public
Broadcaster
(of Belgium)
relies on eyevis
technology

*Turnable and in this way
very flexible – that is how
squareTILES are supposed
to be applied*

■ **Canvas is a popular Flemish Public Broadcaster (of Belgium) which is part of the Vlaamse Radio-en Televisieomroep (VRT). Since October 2012 the network presents its shows from its newly established studio that features flexible eyevis squareTILES for the special visual kick.**

Those LCD monitors that are highly unusual due to their relatively small and mainly square design with 21.6 Inches screen diagonal pleasantly set themselves apart from conventional displays on the market. They offer a high application flexibility and many other advantages that make them first choice when it comes to unusual installations with "special effect".

Like in many other projects eyevis this time again cooperated with Fisheye. For the Belgian enterprise with highly valued expertise for demanding tasks in the area of AV was in charge of design and technical implementation. For the concept of the new Canvas studio Fisheye decided to go with the eyevis squareTILES. Put onto a movable construction the entire installation is highly flexible and in this way can meet different demands. In that way the installation in the studio became a seamless integration of display and light.



Wedding in Taiwanese

omniSHAPES wish
the bridal couple the very best

■ **How unusual and original eyevis omniSHAPES can be applied all over the world is demonstrated by this story that actually started off quite harmless. “We want to build a Chinese character out of omniSHAPES for a wedding” – that is what the e-mail said. A couple of first drafts were attached as well.**

The character double luck (Shuangxi) represents luck in marriage in China and consists of the interweaved characters for the words luck and joy (Xi). Hans-Günther Nusseck, developer and product manager of the omniSHAPES, is going to give an account on how the story went on:

“The Chinese language is all Greek to me, but the shape of the characters can indeed be realized quite well with the omniSHAPES. At least for my technical European eye, but the request is from Taiwan and calligraphy is almost their mother tongue. Likewise I received a second and a third e-mail. Improvements and changes were discussed and the project has taken concrete shape in the course of the following weeks. As to be expected, the time available was – as always – extremely limited. Generally it seems to be a natural law that there is always less time in project business, even if it was scheduled generously from the beginning. That the time factor this time would be completely different did not become clear until, after a couple of e-mails, the installment time came up: ‘It should be doable in one day, but we better allow for some extra time’ was my self-evident estimation. The response was quick and intense: *‘We only have three hours!’* Ouch! For a video wall with a height of over four meters, consisting of 52 omniSHAPES, three hours for installation and startup were a real challenge.

In order to realize the project under the given circumstances, a local team had to be put together and trained. Frankly: Book a flight, fly over there and set up the wall three times for practice with the team on site. That should do it...

No sooner said than done – A week before the wedding we were sitting on a plane. The plan was done, the material was on site. Media players and the content were supposed to be ready, as well as numerous technicians. A Truss-System out of fair construction was used as a frame that was attached to the wall so it would not tip over. A rolling scaffolding was available for set up. An important detail for a height of over four meters.

The first setup took us over a day, but the second setup was already in time. Meanwhile everyone knew what to do and the setup went smoothly. But our joy was rather short lived, for after the successful second setup the plan had to be changed: *‘The wall is not going to fit the design in that shape. It has to be set up differently.’* This information threatened to knock us out of balance. Instead of two separate towers, it was now going to be a single closed shape. Technically this was not a problem and luckily it could be realized with the available material. So the wall was set up for a third time for practice in a warehouse. The schedule accounted for another practice setup on site together with all the media technology two days prior to the event. There, the new concept would be visible as a complete video wall for the first time. The setup went smoothly: 40 minutes for mechanics and 50 minutes for the discs, while the modules were wired simultaneously. So the targeted time of three hours on the day of the event should be doable.

The event should turn out to be a sweeping blow in terms of media technology: sound system, live band, stage lighting. 18 projectors for the side parts of the stage and the ceiling. Additionally there was the video wall out of 52 omniSHAPES as stage background. In short: a really sophisticated project. Luckily everything went well during our practice on site.

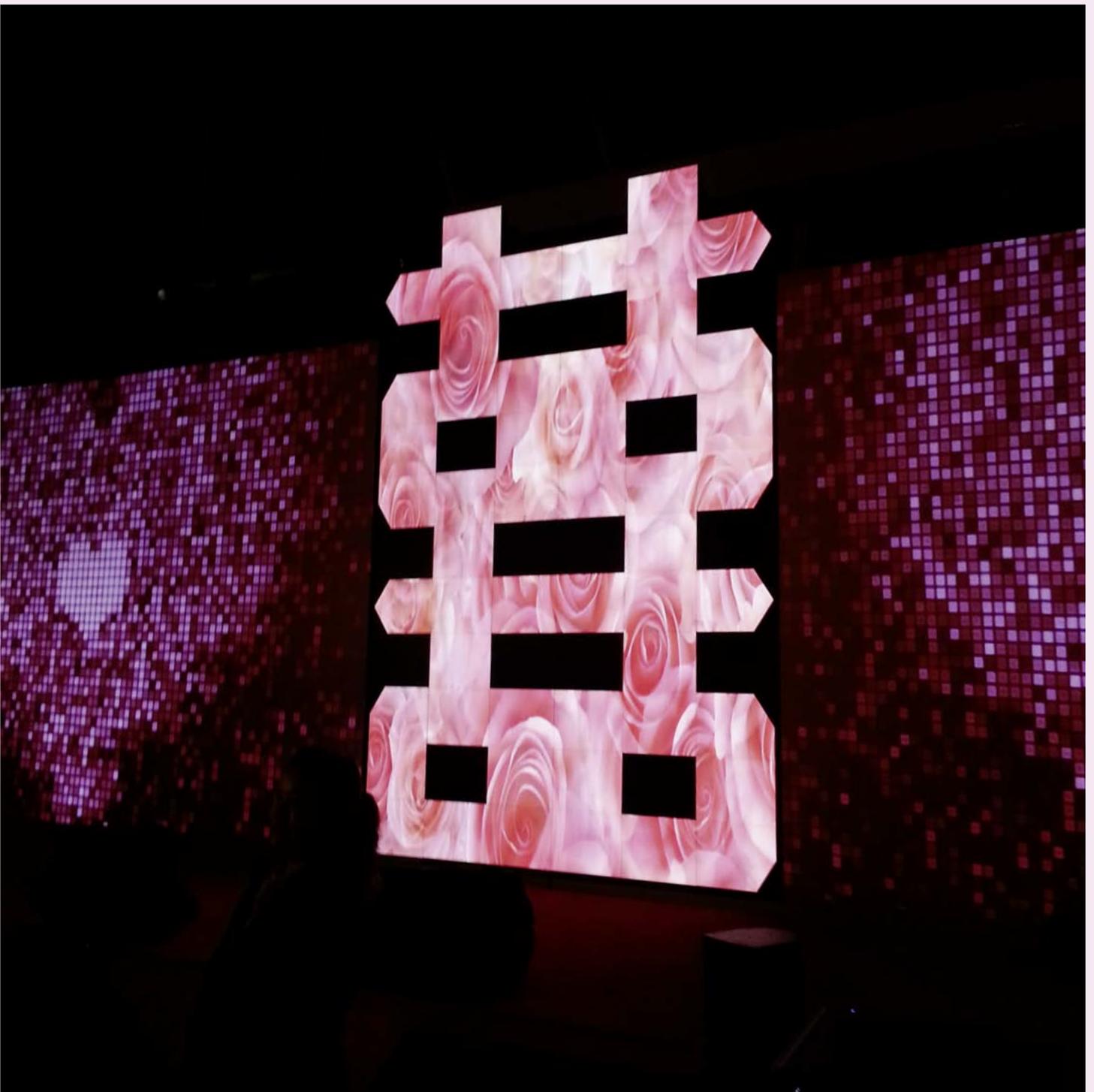
Then there was good news: The wall did not have to be disassembled but could stay there until the day of the event. In this way there was more time for details and to really make the event perfect.

And that is what it was: an outright successful festivity. The stage background with 52 omniSHAPES in the shape of a Chinese character for double luck displayed different sequences matching the program of the event and the stage projection. The show was more than successful and we were able to look into the bright eyes of an overjoyed bridal couple.”

Video wall with contents as stage background. The side areas are lighted with projectors

*Practice setup in a warehouse.
Training to keep up
with the targeted time
of three hours*

*Practice setup
on site*



Awarded – eyevis omniSHAPES

The Kreissparkasse Reutlingen
Innovation Award for eyevis

*Hans-Günther Nusseck,
developer and product manager
of the omniSHAPES,
proudly received the award*



■ After being awarded with the title of “Flat Panel Display Product of the Year” at the AV-Magazine “AV Awards” in Great Britain, eyevis omniSHAPES now also received regional recognition as an outstanding and innovative product.

With the Innovation Award, Kreissparkasse Reutlingen in cooperation with the Reutlingen Chamber of Crafts annually supports innovative achievements in the field of crafts. Even though eyevis at this year’s 25th awards for the first time submitted a product, the foundation’s jury instantly chose it to be first prize. In addition to the honor of being awarded and an according certificate, eyevis received a premium of 5000 Euros to promote development performances. The certificate and the prize money were presented within the framework of an evening event on November 13th in the Listhalle in Reutlingen in the presence of representatives of the Bank, the Chamber

of Crafts, all competition participants and winners as well as numerous invited guests from the fields of economy and politics.

The awards were presented by Peter Hofelich, Member of the state government and commissary of crafts of the state government, State Crafts President Joachim Möhrle and Eugen Schäuferle, executive chairman of Kreissparkasse Reutlingen. Hans-Günther Nusseck of eyevis’ development department received the prize with visible pride.

The ceremony was framed by an exhibition of all submitted products and performances, for which eyevis especially designed an omniSHAPES installation in the shape of the Kreissparkasse logo that displayed Kreissparkasse contents in accordance with the occasion.

Subsequent to the official part of the event many opportunities presented themselves to introduce the omniSHAPES and eyevis to the guests. In this way Barbara Bosch, Reutlingen’s mayor, was comprehensively introduced by omniSHAPES developer Hans-Günther Nusseck.

Besides the first prize, second and third prizes as well as special prizes were presented that evening. The company STP Stahltechnik from Pliezhausen with their chopper with a cylindrical instead of conical screw for the

production of wood chips won the second prize. The third prize was awarded twice. Graffiti Siebdruck from Reutlingen developed a screen printing process that allows for a high-quality reproduction of artworks and the energy management system “Sunbrain” of the company Stiehle from Hayingen-Oberwilzingen helps to optimize the use of energy produced by photovoltaic systems. Special prizes were awarded to the company Max Steinhart from Reutlingen for their excavator turning device for stone slabs and cobblestones as well as to Musikhaus Beck from Dettingen for a flugelhorn equipped with a glass bead blasted copper bell.

Among the submitted products, many examples for the developmental force of the region could be found, including an anti theft system for woodpiles or an expressive furniture series made of regional massive wood.



The Kreissparkasse logo shone in a new gleam that evening



Communication is everything

Catwalk of possibilities –
the Viscom 2012 in Madrid



■ **The unique world of communications with all that comes with it – this is what is shown at the annual Viscom in Spain. eyevis is not only in the middle, but on top.**

Since even at this outstanding event eyevis was again good for many discussion topics. A walkable floor? Should be the usual, shouldn't it? It should, but if it is made out of displays that changes the situation. And if the whole platform is made of 4x4 omniSHAPES, walking on it reaches new dimensions. Since in this way it becomes literally possible to walk on water or stand above clouds.

Fittingly, a wall of eleven omniSHAPES in different screen shapes sent friendly and pleasant images into the crowd and drew the gazes of experts and curious onlookers. In the same way the squareTILES wall with two separate and angularly hanging models and the 46 inch transparent LCD provided many eye-catchers for innovative products of the visualization experts from the 'Ländle'.

THE EXHIBITED EQUIPMENT

-) 1x EYE-LC- 4600-TP-CO
46" transparent LCD, transformed to a showcase
-) omniSHAPES as accessible platform and as exhibit with different screen shapes
-) squareTILES

IT GROWS AND GROWS AND GROWS

and eyevis
grows with it –
the PMRExpo
in Cologne

■ For years this important special trade fair has shown continuous growth. And this year as well the PMRExpo was in the annual trade fair calendar of the eyevis GmbH.

Glamor, size and many pixels – this is how the 2x2-60-inch-cube-wall, which drew the audience's attention, presented itself. The fascinating resolution und color harmony of the wall impressively demonstrated the know-how of eyevis.

The swabian display experts did not leave it at this single eye-catcher: in the same way the precision of a high-class 2x2 46-inch-LCD-wall was impressive. The cherry on top of the cake was a 55-inch-LCD-monitor which displayed the possibility of interactive use and not only perfected the overall image of the booth, but made it an appealing attraction for big and small entrepreneurs. The typical eyevis signature *Made in Germany* and the dedicated young team at the three days of the fair left a lasting impression with a great part of the 3000 expert visitors with eyevis products and solutions as well as many consulting conversations.

THE EXHIBITED EQUIPMENT

-) 4x EC-60-LHD-CP: 60"-DLP-rear-projection-Cube with LED light source
-) 1x EYE-LCD-6000-QHD-LD-V2
60"-QUAD-HDTV-LCD-Screen
-) 4x EYE-LCD-4600-M-USN-LD: 46"-LCD-Screen-Module with extra thin bezel and Direct-LED-Backlight
-) 1x EYE-LCD-5500-LE-TOUCH(AG)-32IR
55"-LCD-Display with Edge-LED backlight and super flat design with integrated touch surface (32 points), infrared based, anti-glare foil coating

 PMRExpo

PROFESSIONAL MOBILE RADIO
AND CONTROL ROOMS





NETWORKED IN BERLIN eyevis technology in the framework of the IMPRESS3D 2012

■ Under the slogan "Networked Working" PI-VR GmbH invited to their company fair IMPRESS3D in the Meilenwerk in Berlin. On October 11th and 12th, 2012 numerous exhibitors presented innovative VR technologies that mainly concentrate complex work processes and achieve higher efficiency through networked working.

The event particularly addressed a specific international expert audience of virtual reality experts. eyevis seized the event to present innovative products like the new Touch-LCDs. With a clear commitment to absolute top quality "Made in Germany" the company underscores its leading role in visualization systems for VR. This quality claim and the fact that eyevis products always represent the latest standards of technology, once again made this event a great success for the Swabian company.

THE EXHIBITED EQUIPMENT

-) 1x EYE-LCD-6000-QHD-LD-V2
60"-QUAD-HDTV-LCD-display
-) 1x EYE-LCD-5500-LE-TOUCH(AG)-32IR
55"-LCD-Display with Edge-LED backlight and super flat design with integrated touch surface (32 points), infrared based, anti-glare foil coating

THE LATEST IN TERMS OF SAFETY eyevis equipment in Kuwait

■ The SEEDiS Academy Expo, presented by the Security Equipment Distribution Company (SEEDiS), in Kuwait is a presentation platform for partner companies of SEEDiS. The event is of some importance, since there is no other security fair in Kuwait.

Six times a year changing exhibitors present their products and solutions in the field of security technology. At the latest event on October 16th, 2012 eyevis was on site and seized the opportunity at the Arabian Gulf to call the audience's attention to high-class products in the eyevis portfolio and their application possibilities.

THE EXHIBITED EQUIPMENT

-) 2x EYE-LCD-5500-LHD
55"-HD-LCD-Bildschirm with LED Backlight

FOCUS ON ENERGY REVOLUTION eyevis solutions at the ABB Forum

■ This year's Network Management Forum of ABB took place October 16th through 18th, 2012 in Heidelberg. The thematic focus was amongst others placed on the connection of systems according to the Renewable Energy Law and automation solutions for the energy turnaround.

Around 200 business partners, customers and interested persons followed the invitation to the Heidelberg Marriott Hotel to inform themselves about novelties in the field of network control, telecontrol, protection and station control technology as well as medium voltage service. eyevis also travelled to the university city to introduce product innovations and solutions for the future of energy economy in Germany. The eyevis staff was able to answer to the many questions of the expert audience about technology and visualization systems and establish numerous business contacts. The visitors of the top-class event showed great interests in eyevis products and solutions.

THE EXHIBITED EQUIPMENT

-) 2x EYE-LCD-5500-M-USN-LD
55"-LCD-Display modul with super narrow bezel and direct-LED Backlight
-) 1x EC-60-LHD-CP: 60"-rear-projection-Cube with LED light source

ONE HIGHLIGHT AFTER ANOTHER eyevis visualization solutions out of the entire product portfolio at the ISE 2013

■ At the same booth as in 2011 eyevis is going to present its entire range of visualization solutions for presentation, information, control and simulation at the upcoming Integrated Systems Europe 2013 in Amsterdam at the end of January.

eyevis particularly focuses on the further development of the depiction of three-dimensional contents, the interaction with digital displays and the presentation of contents with highest resolution. 3D becomes a central topic for two display technologies. Firstly, the innovative eyevis "shapeshifters", the omniSHAPES rear projection displays, through 120Hz-technology are available as active stereo version. Due to the omniSHAPES' flexibility, the new 3D versions allow for the realization of different shapes that, in combination with active 3D shutter goggles, make the depiction of three-dimensional contents in breathtaking reality and image quality possible.

Another novelty in the 3D sector are the new 55-inch-seamless-LCDs with passive stereo depiction which display 3D images in any size on video walls, if the respective goggles with polarized filters are worn.

In terms of creativity the eyevis omniSHAPES (small LED based DLP rear projection units), the eyevis squareTILES (quadratic 21.6" LCD modules) and the transparent eyevis LCD monitors will prove to be real all-rounders. An installation of omniSHAPES as floor space with an overlapping omniSHAPES video wall in front of it provides the visitor with the possibility to walk around in a room completely covered by displays. The presentation of the omniSHAPES is completed by an info-point installation ("i") and a free-standing design that is constantly rearranged to show the flexibility of the

Visit us on the
ISE 2013
in Amsterdam in hall 2,
booth 2A73



units and the possibilities of the Microline-Designer – the planning and control software. The latter also is applied for the creative arrangement of the squareTILES.

The topic of interactivity will be addressed with a wall of 3x2 55"-seamless-LCDs with touch frame and the new touch versions of the slim, large-format eyevis Edge-LED-LCD. The field of Digital Signage will be represented by new High-Brightness-LCDs – for indoor as well as outdoor applications.

The new high brightness rear projection cubes in the 60"-full-HD-version will predominantly be seen at the ISE in the context of application in control and surveillance. In addition there will be new generations of the Netpix video wall controllers and Video-over-IP-eStreaming-solutions from the 'Ländle'. Sharpest images can be expected of the Quad-Full-HD-Displays in 31.5" and 60" and the new WQXGA-DLP-Projector. In addition to the presence at the own booth 2A73 eyevis with a presentation and product exhibition is also participating in the MegaPixel Summit taking place in the framework of the ISE.

At this supporting event organized by Insight Media, Hans-Günther Nussek of eyevis' development department will address the topic of "The omniSHAPES Approach for High Resolution Video Walls" and give practical examples on a 4x4 omniSHAPES installation on January 28

at 3.30 to 4 p.m. Who wants to get to know eyevis, one of the leading providers and integrators of visualization systems for professional applications in control rooms as well as Virtual Reality and simulation, can get detailed insight at the ISE.

DUBAI UNDER THE BANNER OF SECURITY eyevis at the Intersec 2013

■ eyevis in 2013 will again be represented in Dubai at the Intersec, the international platform for safety and security. An extensive product portfolio with latest developments from the house of eyevis and a competent distribution team await the visitors at booth 3-727C in hall 3.

intersec
trade fair and conference



Simply Important

Fundraising campaign for "Hilfe für Kranke Kinder e.V."

■ With a donation of 5000 Euros the German manufacturer of visualization solutions this year again supports one of the fund-raising associations at the University Hospital Tübingen. Instead of sending expensive Christmas presents to customers around the world, the large screen systems specialist prefers to show commitment in the region. "Hilfe für kranke Kinder e.V. (Help for Sick Children e.V.)", in collaboration with other support organizations, attempts to fill the gaps everywhere where public funds for holistic care were reduced, or where help beyond the normal is needed.

After last year's Christmas donation went to another association at the Tübingen University Hospital, this year the management chose "Help for Sick Children e.V." as beneficiaries. During a visit to the Children's Hospital Sabrina Raschke and Max Winck from eyevis' marketing department were convinced of the comprehensive and meaningful work of the association. The donations that the club collects are used to sponsor purchases of necessary medical equipment, to support work in prevention and aftercare, or to give unbureaucratic help, for example, if a visit to a sick child fails by the lack of money for the train.

After the tour through the hospital guided by Mr. Hassel, we gave our donation check with great pleasure to the Executive Medical Director of the Children's Hospital Tübingen, Professor Rupert Handgretinger.

"It's just nice to see what the association achieves. Through all the donations collected by "Help for Sick Children e.V." the stay for the children in hospital can be decisively improved and new treatments can be paid for. To know that we also can contribute a little bit, is a great feeling," Sabrina Raschke summarised the social engagement of eyevis' Christmas donation in 2012.

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„Perfect visualization systems for every part of security and control. With everything that this includes.“
David Mrnak, Distribution department, eyevis GmbH

- eyevis rear projection solutions
- eyevis LCD-Monitors
- eyevis eStreaming, Controller and Software

) eyevis

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8x 70" DLP-CUBES (EC-70-LSXT+-CP)
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-) **ADP SEMERU, Airport** 
France, Paris-Orly // Security
4x 56" DLP-CUBES (EC-56-LWXT-CP)
-) **Occidental de Colombia – CLM** 
Columbia, Bogotá // Control room
6x 56" DLP-CUBES (EC-56-LWXT-CP)
1x NPX-4808-D2
1x eyecon V4 Basic
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Powerlink** 
Great Britain, London // Energy
8x 67" DLP-CUBES (EC-67-LSXT+-CP)
1x NPX-4808L
1x eyecon V4 Basic
-) **Statoil Karstö** 
Sweden, Karstö // Energy
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2x NPX-4812-D12
2x eyecon V4 Basic
-) **Ayalon Highways** 
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1x NPX-4808LC-R-V24-D18-IP32-G1.1
1x eyecon V4 Basic
-) **Eco-City Phase 2** 
China, TianJin // Security
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-) **EDF Corse, IRC** 
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6x 67" DLP-CUBES (EC-67-LHD-CP)
2x NPX-4812-D8
2x eyecon V4 Premium
-) **Polizei Hauptquartier** 
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8x 60" DLP-CUBES (EC-60-LHD-CP)
2x NPX-4804R-D8-G1.0
2x ECS-800R-G2.0
1x eyecon V4 Basic
-) **Villa Al Rayan** 
Lebanon, Beirut // Security
6x 56" DLP-CUBES (EC-56-LWXT-CP)
1x NPX-4808-D8
1x eyecon V4 Basic
-) **NHK, Master Control Room** 
Japan, Tokyo // Energy Control room
6x 60" DLP-CUBES (EC-60-LHD-CP)

-) **Traffic control, Valladolid** 
Spanien, Madrid // Verkehr
10x 55" LG-Displays (EYE-LCD-5500-M-
USN-LD) LED-Backlight
1x NPX-4812-V16
1x eyecon V4 Basic
-) **Stattnet** 
Norway, Nydalen // Energy
10x 21" LG-Displays (EYE-LCD-2160
squareTILES)
-) **Sabarmati Control Room** 
India // Control room
11x 55" LG-Displays (EYE-LCD-5500-LHD)
LED-Backlight
-) **Saipem S.p.A., I&SI ENI Videowall,
video surveillance** 
Italy, San Donato // Energy
6x 46" LG-Displays (EYE-LCD-4600-M-
USN-LD) LED-Backlight
1x NPX-4808-IP48
6x eyecon V4 Basic
-) **Universal Orlando** 
USA, Orlando // Presentation
9x 55" LG-Displays (EYE-LCD-5500-M-
USN-LD) LED-Backlight
1x eyecon V4 Premium
-) **Volkswagen AG** 
Germany, Kassel-Baunatal //
Presentation
6x 55" LG-Displays (EYE-LCD-5500-
M-USN-LD) LED-Backlight

) IMPRINT

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Members of the Reutlingen Chamber of Trades watching a 3D rear-projection cube system during their visit at eyevis.

IN THE NEXT MONTHS WE ARE REPRESENTED AT THE FOLLOWING EXHIBITIONS:

-) Intersec, Dubai, 15. – 17.01.2013
-) ISE, Amsterdam, 29. – 31.01.2013



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 on our exhibition stand 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.com
You can also watch our product videos there.

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