)eyevis
PERFECT VISUAL SOLUTIONS

"A rear-projection display system with outstanding image characteristics and versatile shapes for sophisticated, creative applications. That was the idea."
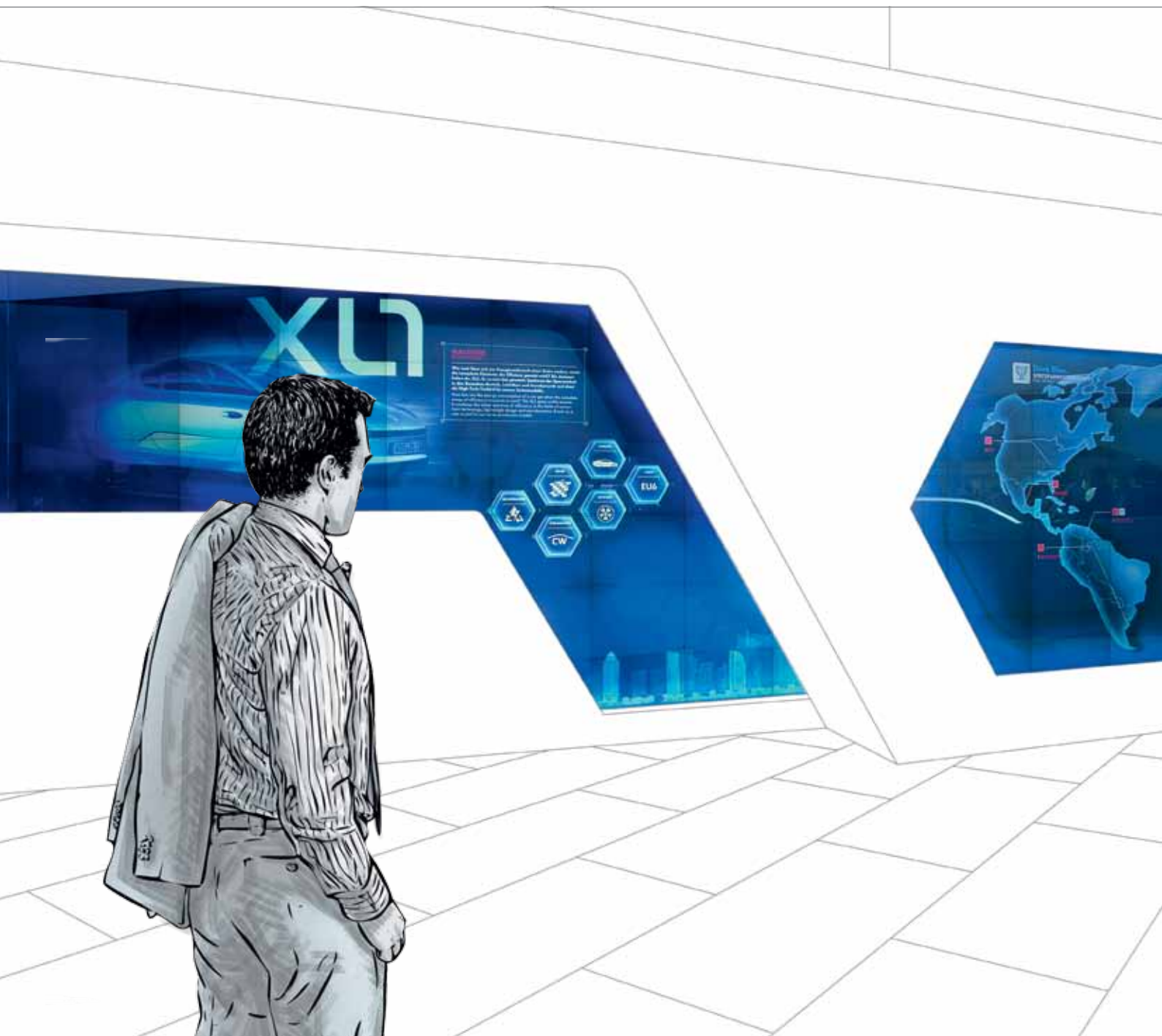
Hans-Günther Nusseck, Product Development, eyevis GmbH

IT'S TIME FOR A NEW SHAPE!

BECAUSE CREATIVE IDEAS ALWAYS CAUSE SENSATIONS!

)omniSHAPES
EYEVIS MICROLINE

A good idea which has come to fruition makes everything possible. **eyevis omniSHAPES: Ingeniously simple, simply ingenious!**

The newly developed multi-cube color brightness adjustment option allows fully automatic adjustment and balancing of all cubes in a connected video wall. This means there is no longer any need for manual readjustments. The modular concept of omniSHAPES from the three main components – projection screen, base frame and projector – provides great advantages.

For example, AV-suppliers only need to have a certain number of projectors in stock, which can then be fitted out and supplied from a larger choice of base frames and projection screens in different shapes. The maintenance of the unit is possible both from the front and from the back. Furthermore, for maintenance and repairs which cannot be done on site it is usually sufficient to replace the projector unit only, instead of having to dismantle the entire system. Simple assembly, operation and maintenance are the obvious advantages as well as the long service life expectation and high operational safety due to the use of high quality components. Convincing, leading edge technology – that is what eyevis is known for.

Wide range of models to a great effect

The high practical value of eyevis omniSHAPES – and that is the real innovation – comes from the many different sizes and shapes in which the omniSHAPES are available. Whether in classic 4:3 format, five-sided polygon, hexagon, or other customer-specific shapes – they are ideally suited for use in advertising, events and information.

This design concept means omniSHAPES are predestined for the installation of different project surfaces, sizes and forms. Even curved or bent walls are feasible without problems. And due to the small dimension of the individual displays, they can be used in almost any room – unlimited options for limited spaces with a surprising effect – because simply rectangular was yesterday!

Clear solutions for demanding applications

eyevis omniSHAPES are so versatile that they can always offer the right configuration, no matter in what size or shape and for what kind of occasion - they are always the main attraction during any show. The high variability of the omniSHAPES also allows for a range of special shapes for particularly demanding purposes. This allows you to realise original and unexpected presentation concepts with the best possible performance. Self-supporting or suspended superstructures can be fitted without the need for additional material since the interlocking connections between the shapes are sufficient. Concave, straight or convex arrangements of the omniSHAPES are possible due to the funnel-like assembly of the base frame and the variability of the shapes – there are practically no limits to your creativity!

Get inspired by the surprising flexibility and effects of these small miraculous display units. It's time for new shapes!

Surprisingly small but superior in their flexible use!

With the new omniSHAPES display system eyevis has developed a new visual display solution capable of realising video wall installations of the most versatile shapes. eyevis omniSHAPES are rear projection display modules which, thanks to their small size and their capability to combine into virtually unlimited video wall shapes are ideally suited for creating projection surfaces in almost infinite configurations.

omniSHAPES work both as a stand alone unit but also combined together in larger display walls since every module has its own internal signal processing unit for the perfect geometrical adjustment of the input image to the displayed part. The projected images are – thanks to eyevis LED technology – pin sharp and in perfect, impressively bright color quality. Furthermore, they are ideally suited for any color temperature. Since the latest eyevis LED technology offers lasting true colors and extended color adjustment options.

SCREEN OPTIONS

Different rear-projection screens types provide different characteristics regarding brightness and viewing angles (e.g. Black Bead screens or Cross Prism screens). Depending on the specific requirements of your application, eyevis provides the ideal screen type for your omniSHAPES.

LED PROJECTION

MODULAR SYSTEM

ZERO BEZEL DESIGN

TOUCH SYSTEMS AVAILABLE

DLP® TECHNOLOGY

BEST RELIABILITY

ECO-FRIENDLY

OUTSTANDING IMAGES

LONG-LIFE CONCEPT

**ERGONOMIC DESIGN**

OPTIMISING FUNCTIONS

24/7 OPERABLE

) Pin-sharp images even when viewed from short distances

) Rectangular shapes, six sided shapes, five sided shapes, and customized shapes on request

) Concave, straight or convex arrangements

) DVI loop-through, DVI Single Link input up to 2K resolution

) Internal Processing, no external device required

) Automatic color tracking for long term color and brightness stability on all modules in a video wall set-up

) Building block architecture: projector unit is independent and can easily be dismantled from the base frame to the rear or the front

) LED: individual LEDs for red, green and blue guarantee best color gamut

) LED powered: more than 60,000 hours durability, no projector lamps, no color wheel

EXAMPLE APPLICATION

BASE FRAME
PROJECTION ENGINE
SCREEN UNIT

360,6 mm

480,6 mm
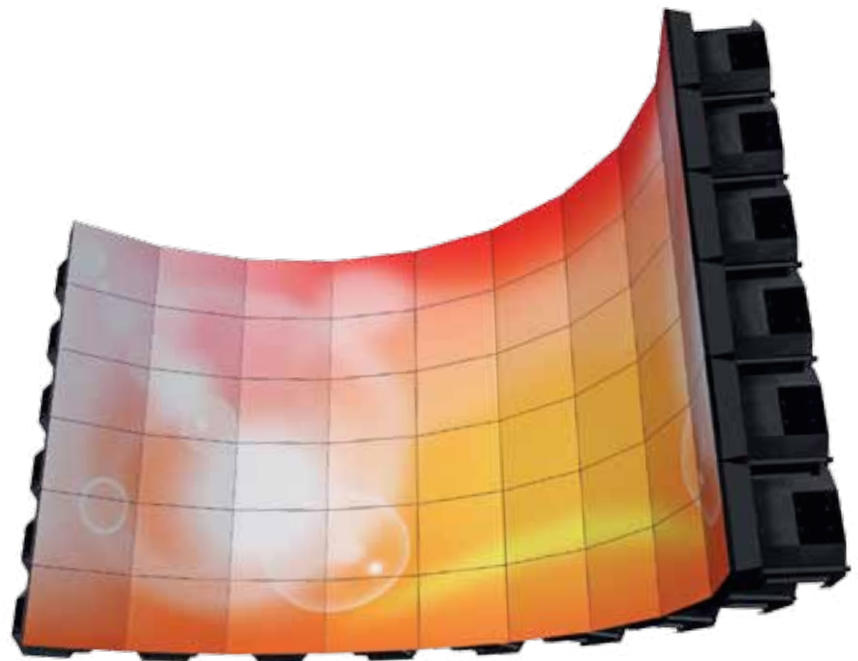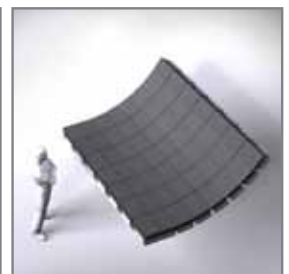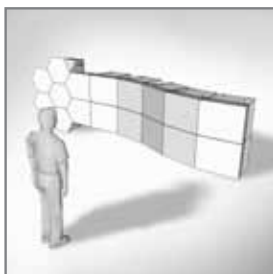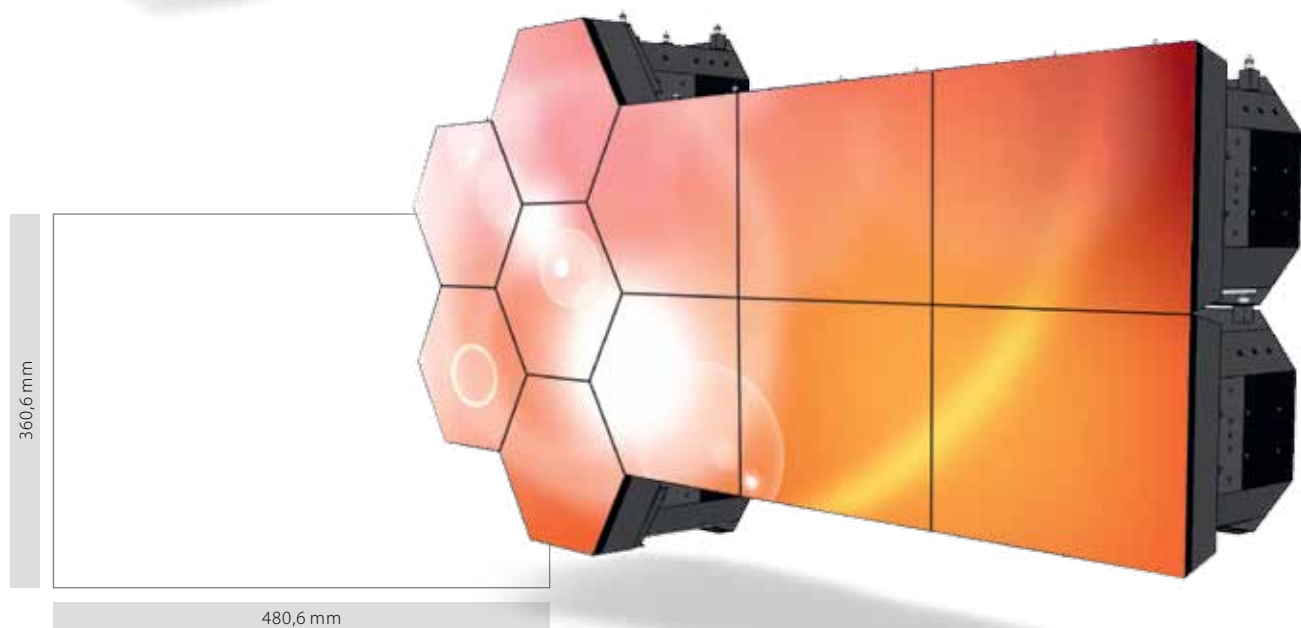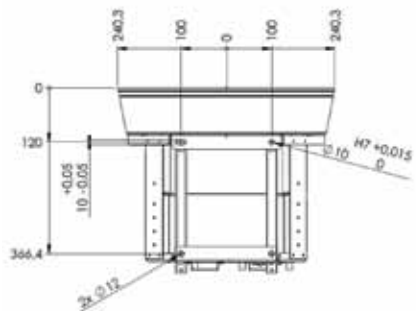
THE EIGHT DIFFERENT omniSHAPES *(further shapes available on request)*

RECTANGULAR   HEXAGONAL   PENTAGONAL   ONE CORNER CUT OFF
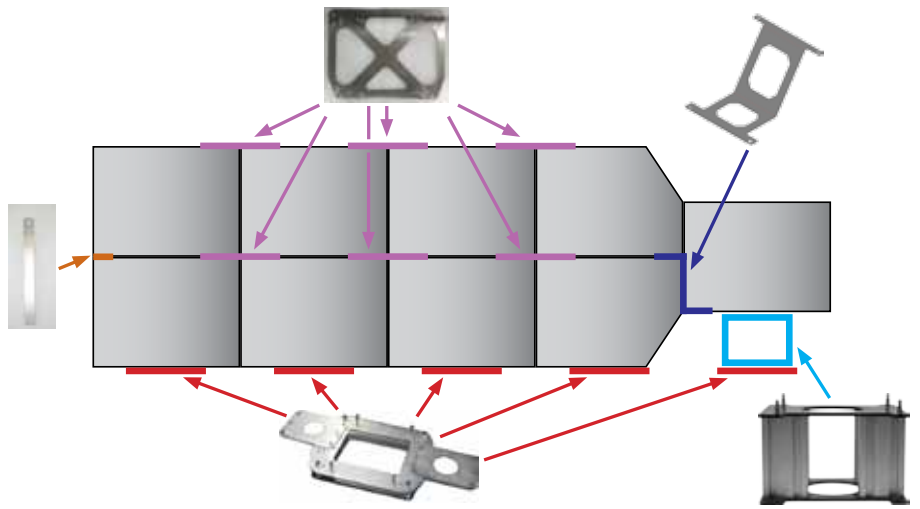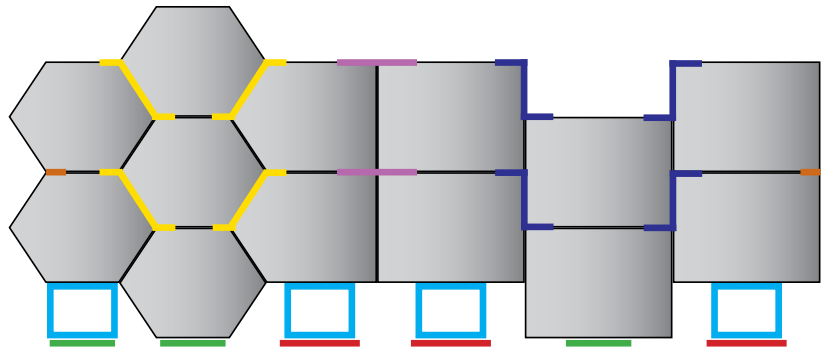
AVAILABLE BASEMENT COMPONENTS

1. **OSH-BSM-STD (Art. Nr. 17016)**
) Standard basement for omniSHAPES
) 4:3 (rectangular) and pentagonal shapes (transfer shapes)
) Levelling feet with 4× set screws M10 × 60 mm mounting plate 6 mm, incl. 4× location bolts 10 mm zinc-plated and connection element
2. **OSH-BSM-HEX (Art. Nr. 17017)**
) Basement for hexagonal omniSHAPES
) Levelling feet with 4× set screws M10 × 60 mm
) mounting plate 6 mm, incl. 4× location bolts 10 mm zinc-plated and connection element
3. **OSH-BSM-Spacer-180 (Art. Nr. 17018)**
) Intermediate basement for hexagonal omniSHAPES or elevation
) Intermediate basement 180 mm, 300 × 400 mm, zinc-plated
4. **OSH-CON-HEX (Art. Nr. 17019)**
) Connection element for omniSHAPES Hexagon-to-Hexagon or Hexagon-to-Pentagon
) 3 mm steel, 2× emarginated, zinc-plated
5. **OSH-CON-STD (Art. Nr. 17020)**
) Format plate for omniSHAPE connection
) 3 mm thick, size 300 × 400 mm
) Uncoated aluminium
6. **OSH-CON-BAR (Art. Nr. 17021)**
) Format bar for omniSHAPES to level the used OSH-CON-STD
) 3 mm thick
) Uncoated aluminium
7. **OSH-CON-STEP (Art. Nr. 17133)**
) Connection element for omniSHAPES "rectangular to rectangular" or "rectangular to one corner cut off" with height difference of 180 mm
) 3 mm steel, 2× emarginated , zinc-plated
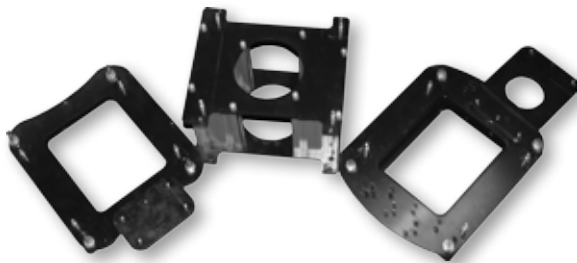
Art. No.:

#17016
#17017
#17018
#17019
#17020
#17021
#17133

Display Properties

) **Brightness:** typ. 530 cd/m² @ 6500K (calibrated system with CP Screen) max. 650 cd/m²

) **Color temperature:** 2800 K to 15000 K

) **Color Space:** Wide (120% NTSC) / Normal (sRGB) / High Brightness

) **Contrast:** typ. 800 : 1 (static full on / full off)

) **Resolution:** Native: 1280 × 800 pixel, effective screen resolution (rectangular 4 : 3 SHAPE): 1024 × 768 pixel

) **Pixel Pitch:** 0,469 × 0,469 mm

) **Screen:** CrossPrism, BlackBead or ISE Screen

) **Mullion (gap distance):** typ. 0.8 mm (+0.5 / -0.1) between adjacent omniSHAPES: typical at 25°C (77°F) ambient

) **LED Life-time:** ≥60,000 hours (time till 50% brightness)

Environmental

) **Operating Conditions:** Temperature: recommended 15 – 25°C; 5 – 35°C; for seamless screen 15 – 28°C, Humidity: 0 – 80 % not condensating

) **Storing:** 0 – 50°C

) **Thermal Dissipation:** approx. 200 BTU/h (typical), approx. 270 BTU/h (all full brightness)

) **Noise Level:** typ. ≤30 dBA

Communication

) **Connection:** RS232 or LAN

) **Loop-through:** RS232 loop-through for inter-connectivity

) **Software:** omniSHAPES Designer Software for management and adjustment (offline design also possible)

Input Signal

) **Type:** Single Link DVI-D input and loop-through. Resolution up to 2K (2048 × 1200 @ 60 Hz)

) **Framerate:** 48 Hz to 75 Hz (resolution dependent)

) **Matrix/Tiling:** Internal scaling and image mapping. No external controller is needed

Electrical

) **Power Supply:** AC 110V / 220V, 50Hz / 60Hz

) **Power Consumption:** 58W (typ., i. e. adjusted system @ 70% brightness), 80W (max.; i. e. adjusted system @ full brightness)

Mechanical

) **Screen Dimensions:** Rectangular (4 : 3): 480mm × 360mm (23.6" diagonal)

) **Required Space:** Minimum installation depth 550 mm (entire unit + required space for ventilation)

) **Weight:** 12,9 kg (without cable and connection parts)

Technical specification subject to change

) CONTACT

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