



PROJECTION SCREENS

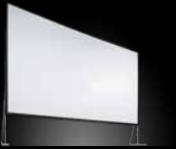
PROJECTION SCREENS BY AV STUMPFL

Perfection in Projection Screens | Mobile | Roll Up | Fixed Frame | Custom

AV Stumpfl projection screens feature an unequalled design and manufacturing precision, lowest operating economics and best picture quality, perfect for high resolution projections up to and beyond 8K.
Improve your way of projecting.



THE AV STUMPFL PHILOSOPHY



MOBILE PROJECTION SCREENS

SHIFT Technology | Monoblox | MonoClip | Vario | VarioClip



ROLL UP

Inline | Inline tensioned | Magnum



FIXED FRAME

Decoframe | Fullwhite



CUSTOM MADE

Curve | Fullwhite Curve | Desertscreen |
Surfaces with eyelets | Green Screen | Inviframe |
MultiPanel | VarioClip Duplex

EVEN SMARTER SCREEN ASSEMBLY



Developing, manufacturing and servicing the best possible products for the AV market has always been our passion. Together with our constantly growing team of enthusiastic and motivated colleagues on one side, and our international partner network in over 60 countries on the other side, we have been collectively pushing the limits of what is technically possible for over 40 years now.

As always we have been very busy with testing, developing and building new products and are proudly presenting news from our company: Our key innovation this year is not a new screen but an important accessory which turns existing screens into a totally different product.

Our revolutionary SHIFT screen system leg allows for a totally new assembly workflow resulting in a height adjustable mobile projection screen.

With new surface materials and new options for customization, we further expanded and broadened our possibilities for made-to-measure quality manufacturing with the shortest lead times possible.

We and our growing team are looking forward to exciting new projects combining your professionalism and creativity with our leading edge tools and service.

Tobias & Fabian Stumpf

avstumpfl.com/team

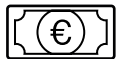
Handwritten signatures of Tobias and Fabian Stumpf in white ink.



WHY AV STUMPFL?

Designed and manufactured in Austria. 40 years of experience.
Best service and support.

Developing and manufacturing has always been the passion that drives us, so why not offer our technical expertise to the public? Creating something unique is a challenge we like. In addition to a lot of standard out-of-the-box solutions we have a huge toolkit for creating custom solutions. Our experienced product specialist team would be happy to assist, if you have any projects coming up.



BEST TOTAL
OPERATING
ECONOMICS



QUALITY MADE IN
AUSTRIA



BEST SERVICE
& SUPPORT



PREMIUM QUALITY
MATERIAL





SHIFT TECHNOLOGY

AT64-SHIFT & T32-SHIFT

The truly revolutionary SHIFTECH screen system legs make it possible to easily adjust a mobile projection screen's height, without having to disassemble it first.

No extra measuring is needed to ensure the frame is level, due to a clearly marked height scale.

The SHIFTECH screen system legs can be combined with all existing AV Stumpfl mobile screen systems.

To adjust the screen height, one can start at the bottom of the scale and simply move the screen up to one's preferred position. The SHIFTECH leg will lock automatically. To move the frame further down, one can just use the locking mechanism for releasing the frame.

It is now possible to assemble a complete mobile projection screen system and then to adjust its' height in a matter of minutes. Save time AND save money with premium quality components made in Austria.



Adjusting a mobile projection screen's height has never been easier.

REASONS WHY SHIFT TECHNOLOGY IS TRULY REVOLUTIONARY:

1. **Assembly** and **height adjustment** of a complete screen system **in a matter of minutes**
2. **No additional measuring** needed
3. Can be **combined with all existing AV Stumpfl mobile screen systems**
4. One-inch increment **fine adjustment** possible
5. Clearly marked **height scale**
6. Ultra **robust** components for rental & staging environments
7. Height adjustment possible in upright position
8. **Legs do not protrude** beyond the screen frame borders
9. Just **ONE person** needed for adjusting the screen height (T32-SHIFT)
10. **Tool-free** assembly



Standard Monoblox32 Frame



T32-SHIFT Adapter



Standard Monoblox64 Frame



AT64-SHIFT Adapter

Save time AND save money with premium quality components made in Austria.



T32-SHIFT

Depending on the screen frame height and the desired set-up height, the T32-SHIFT leg can be assembled using four different lengths: 111" (283cm), 90" (228cm), 68" (173cm), 46" (118cm).



One person
assembly in less
than 5 minutes

extension 55cm

extension 110cm

base module



To allow a single person to lift and move the screen, optional transport lock bolts can be attached. In this case, turn the transport lock bolt against the T32-SHIFT leg.

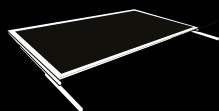


- One-inch increment **fine adjustment** possible
- Clearly marked **height scale**



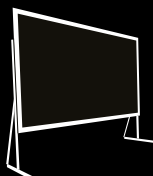
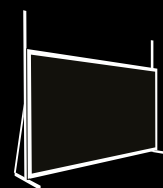
AT64-SHIFT

Depending on the screen frame height and the desired set-up height, the AT64-SHIFT leg can be assembled using eight different lengths: 217" (550cm), 196" (500cm), 175" (444cm), 154" (390cm), 133" (338cm), 112" (284cm), 91" (230cm), 70" (180cm).



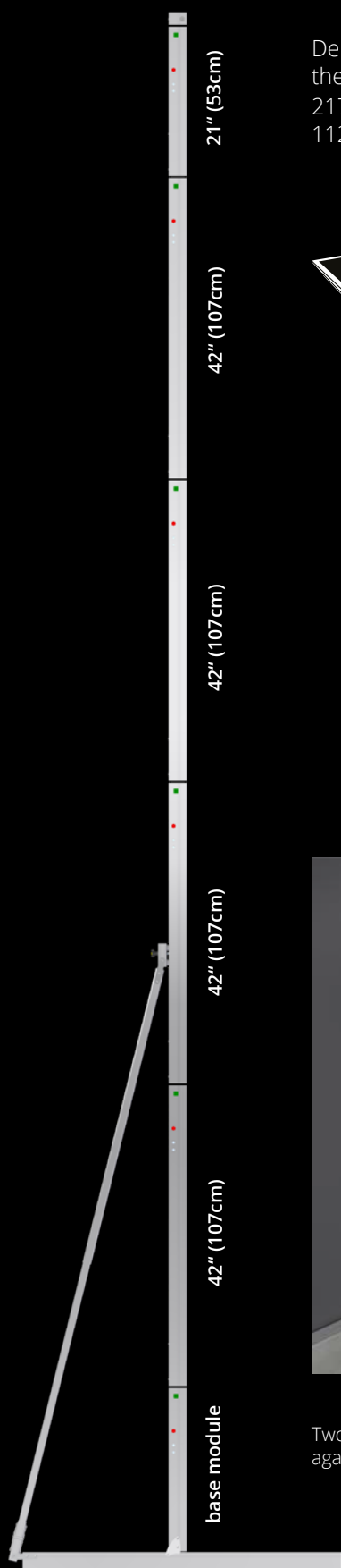
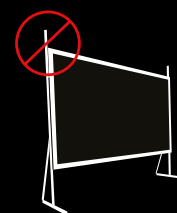
Larger projection screens can be assembled and screen surfaces can be attached with the system being in a horizontal position.

The screen system can be moved to a vertical position, with the screen frame on the lowest leg level.



The screen system's height can now be adjusted by simply lifting the frame.

Legs do not protrude beyond the screen frame borders. Different sizes possible.



Two locking mechanisms protect against accidental sliding.



The locking mechanism is flexible and slides up and down next to the fixed leg-support.



MOBILE PROJECTION SCREENS

Small packing dimensions. Lightweight. Quick set up
and breakdown. Long lifetime. Mobile.

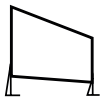
All AV Stumpfl mobile projection screens feature an unequalled life time, lowest total cost of ownership and Austrian development and manufacturing precision. 5 year warranty included. Large display solutions simplified.

avstumpfl.com/mobile

WHAT IS A MOBILE PROJECTION SCREEN?

The mobile display solution featuring highest picture quality at lowest operating economics.

Have you thought about a display solution which is portable and can be set up by a single person? A mobile projection screen is exactly what you are looking for. In combination with modern projector technologies, these products are used to create large scale but bright and crisp pictures within shortest time and can be used virtually as often as needed without any maintenance work. Mobile projection screens are used in a variety of applications such as:



PRESENTATIONS
CORPORATE BUILDINGS
CUSTOMER EVENTS



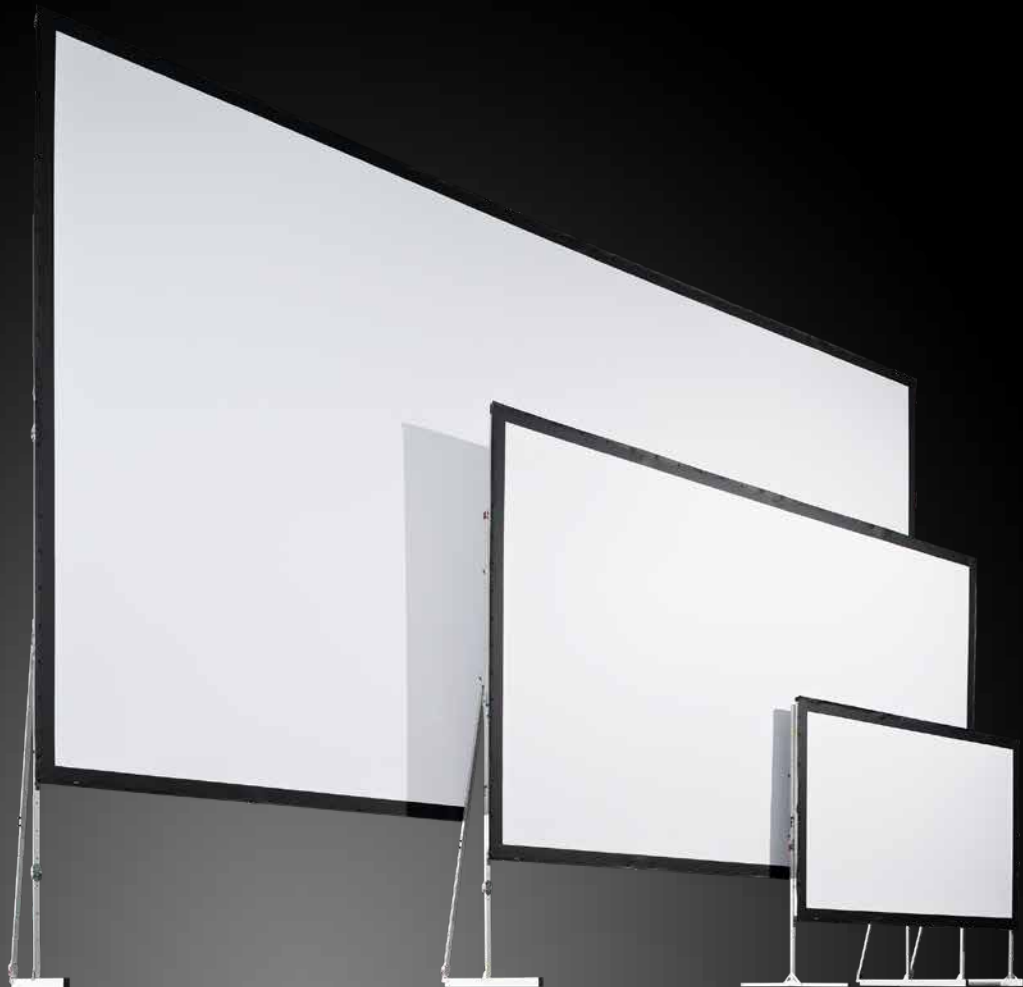
CONCERTS
SHOWS
TRADE SHOWS
HOTELS



EDUCATION
UNIVERSITY
TRAINING



MOBILE CINEMA
HDAV PRESENTATIONS



MONOBLOX®

Large scale projection simplified

Monoblox® is the mobile projection screen choice of the world's leading rental & staging companies, with a foldable aluminum frame. Lowest total cost of ownership, Austrian manufacturing precision, best picture quality and intuitive operation are the key features of this award winning product.

Monoblox® is available in various different sizes up to 752 x 569 cm (24'8" x 18'8") in 4:3, 16:9 and 16:10 aspect ratios.

avstumpfl.com/monoblox



THE MONOBLOX® SNAP JOINT

The original

In order to fit a large scale projection screen into a tiny case, its frame has to be folded. In order to ensure precision for the projection screen and an ultra long lifetime with thousands of cycles, we dedicated a lot of effort to the joint's development.

The result is our award winning, internationally patented and high precision engineered auto locking snap joint with one touch push button release. Internal stabilizers provide for greater durability at the folding hinge points.

MONOCLIP

Best of both worlds

The new MonoClip projection screen combines all the advantages of AV Stumpfl's highly acclaimed Monoblox mobile projection screens with the added advantage of a full clean profile without studs and press snaps.

avstumpfl.com/monoclip



THE MONOCLIP DIFFERENCE

Combining innovation and experience

The MonoClip's entire frame block unfolds and the snap joints lock automatically, which also means that no parts can get lost during the intuitive setup process. A very low total cost of ownership and European manufacturing precision add to the appeal of this innovative projection screen system.

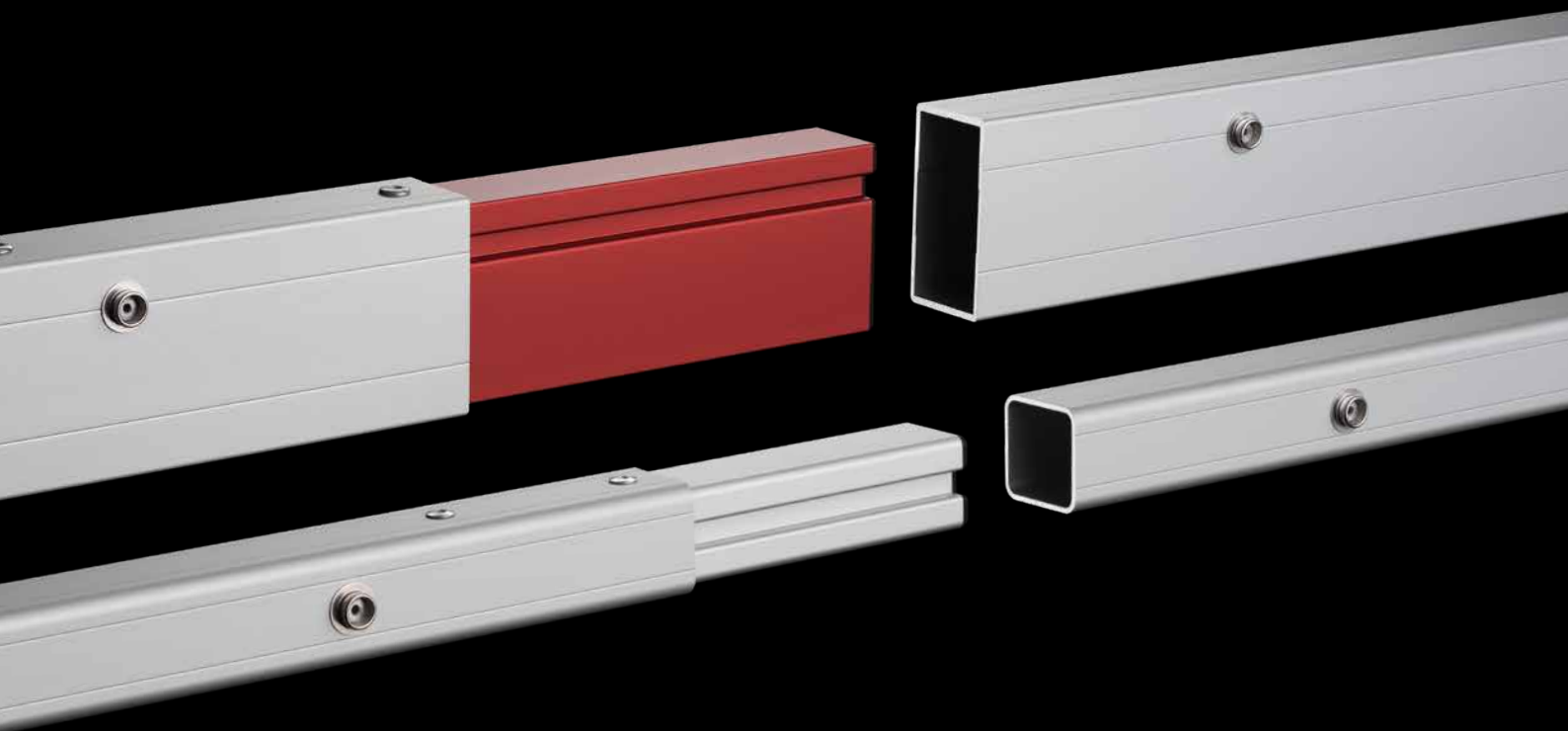
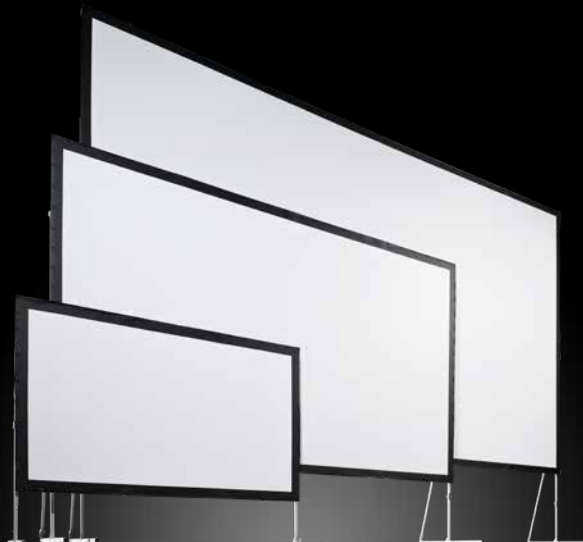


VARIO

The classic mobile projection screen

Vario is the original mobile projection screen featuring a modular structure. When we entered the rental & staging market over 40 years ago Vario was the product with which we built our reputation. Precisely manufactured and lasting virtually forever this product has continuously been improved and will keep its place in the international rental & staging industry in future especially for custom sizes or long term set ups.

avstumpfl.com/vario



THE VARIO SYSTEM

Variable and custom in size

Vario® can be made to measure since it is a modular system consisting of a basic frame that can be sized to any format by adding or removing plug-in elements.

Three different connections are available to connect the plug-in elements together depending on the projection screen's application and size:

- ✓ Plug-in connection
- ✓ Screw connection
- ✓ VarioLock™ connection

VARIOCLIP®

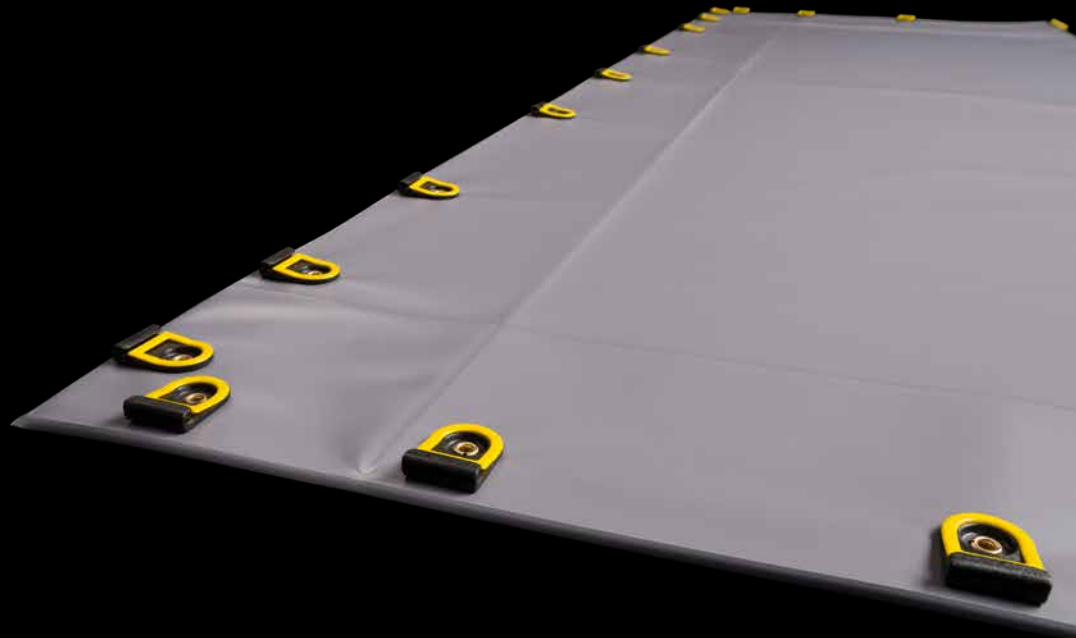
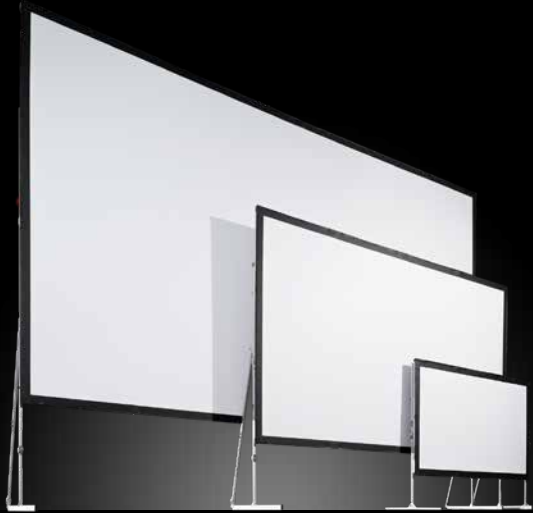
Redefining the mobile projection screen

Further developed from the original Vario product VarioClip® is the world's first mobile projection screen featuring a full clean profile without any studs and press snaps. Surface tension can be adjusted to ambient temperature with best frame stability and accuracy.

VarioClip® surfaces are attached to the frame using the patented hook technology QuickClip which simplifies handling to a maximum.

VarioClip® is the most technologically advanced modular mobile projection screen. Engineered and manufactured with 40 years of experience as the market leader. VarioClip can also be made to measure.

avstumpfl.com/varioclip

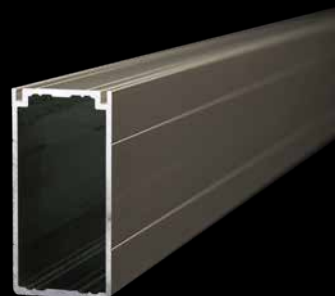


SURFACE ATTACHMENT WITH QUICKCLIP

The revolution

Our patented QuickClip hooks define the core of our new mobile projection screen development. This new surface attachment technology has been engineered and intensively tested for more than 5 years. Among the features of QuickClip surfaces are:

- ✓ Simple and stress-free attachment
- ✓ Easiest set up
- ✓ Automatic tension distribution
- ✓ Hook made of glassfibre reinforced material
- ✓ Integrated spring element to prevent unintended hooking
- ✓ Anti-reflective rubber coated cover caps

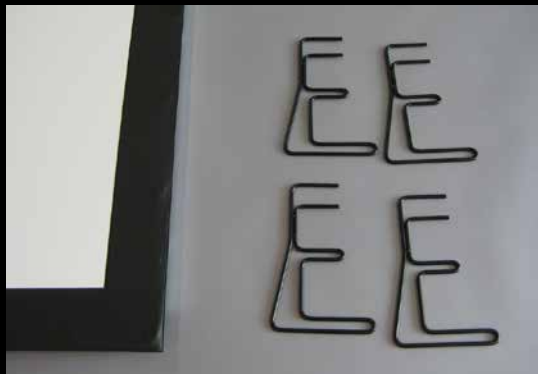


ACCESSORIES

EASY FLY

Quick mounting.

EasyFly has been developed especially for flying screen applications and features maximum flexibility. This adapter with an eyelet for mobile projection screens can be attached quickly and easily anywhere on the projection screen frame. Available for profile sizes 32x32mm and 64x32mm, max. load 30 kg/60 lbs.



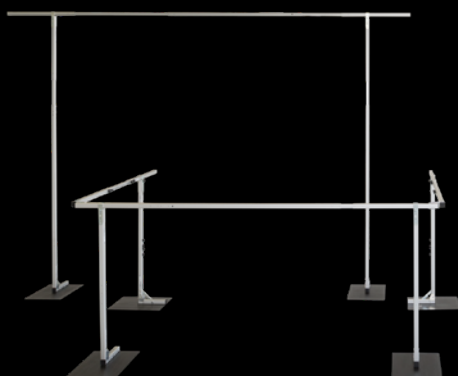
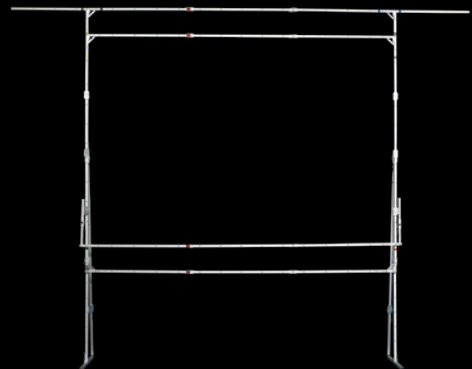
SET-UP SUPPORT

The new, optional set-up support allows for easy mounting of the legs. By means of the 4 round bar holders, the wing screws can be bolted by one person only without holding the frame and leg in position manually.

DRAPE KIT

Traditional. Simple.

The Drape Kit turns your projection screen into a stage. Simple but effective.



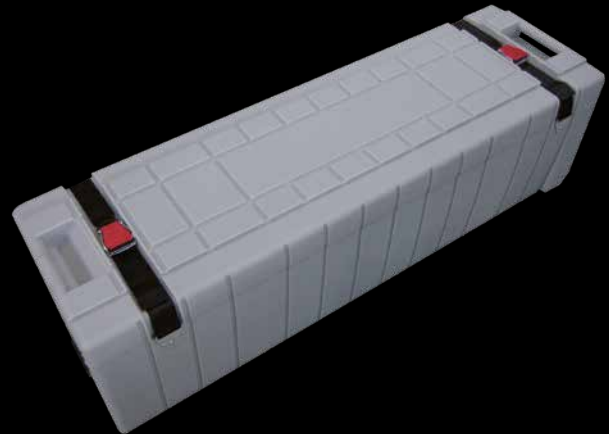
DRAPE RUNOFF

This universal and transportable Drape System can be used as an independent partition, to mark out control areas or to allow flexible room design. A few elements combined with the telescopic system suffice to accomplish a variety of decorative purposes – no tools required. The decoration material is attached using Velcro fasteners.

TRANSPORT

CASE

The stackable and sturdy flight cases with integrated rollers are available in two sizes. The woven strap with a buckle belt, well known from the aircraft industry, ensures maximum safety and stability.



SOFTBAG WITH WHEELS

In addition to our sturdy flight cases, you also have the option of choosing a dedicated roller bag, lined with protective foam and featuring a hard bottom. Smooth-running rubber wheels ensure ease of transport wherever you take your mobile projection screen.



BUCKLE-BELT

Strong woven belts keep the case's top cover in place. Inspired by the aviation industry, we have applied a buckle to ensure simple and safe operation.



SURFACE BAG

The surface is shipped folded in special foam lined sheaths which can be opened quick and easy using a zip fastener. The surface sheaths feature a pocket for the type label, surface dimensions and the projection screen assembly guide.



INLINE

High functionality, attractive design

Inline is the roll up projection screen choice of Europe's audio visual system integration companies. Lowest installation cost, Austrian manufacturing precision, ecoTex and flame resistance certification, best picture quality and long lifetime are the key features of this innovative product.

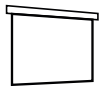
Inline can be made to measure up to 13' x 16' in any aspect ratio. As an option, Inline can be shipped with matt black masking and different lengths of black drop.

avstumpfl.com/inline

WHAT IS A ROLL UP PROJECTION SCREEN?

The display solution that shows when needed and hides when not.

Most people nowadays are familiar with roll up projection screens since these display solutions are installed in quite a few places: What we call a roll up screen is a projection screen which is permanently installed but the projection surface can automatically hide in a casing when it is not needed. Roll up projection screens are usually mounted on or within the ceiling construction, or on the wall. There are three main drives available: Electric motors, crank drives or spring roller drives. Roll up projection screens are used in a variety of applications such as:



HOTELS
CORPORATE BUILDINGS



MUSEUMS
THEATERS



EDUCATION
TRAINING



HOME THEATER





ROLL UP SCREENS FOR DEMANDING APPLICATIONS

- ✓ One projection screen for various mounting options
- ✓ Virtually noiseless electric drives
- ✓ B1 and ecoTex certified surface materials
- ✓ Sleek and stylish design and premium quality raw materials
- ✓ Custom paint options

NEW

INLINE TENSIONED

Premium quality for perfect flatness.

Whether you are looking to create the perfect corporate installation or to upgrade your state of the art home cinema setup, AV Stumpfl's INLINE tensioned screens combine a truly flat projection surface with ultra-durable components made in Austria.

INLINE tensioned screens are short throw compatible and are available with a great number of different screen surface materials.

Easy to install and built to last.

avstumpfl.com/inlinetensioned



MAGNUM

Large screen. Seamless. Without compromises. European design.

Magnum is the projection screen solution for large scale applications. High precision carbon fiber tubes ensure perfectly flat projection surfaces without bulky structural aids.

Flat large scale but seamless surfaces, Austrian manufacturing precision, flame resistance certification, best picture quality and long lifetime are the key features of this innovative product.

Magnum can be made to measure up to 900 cm in width.

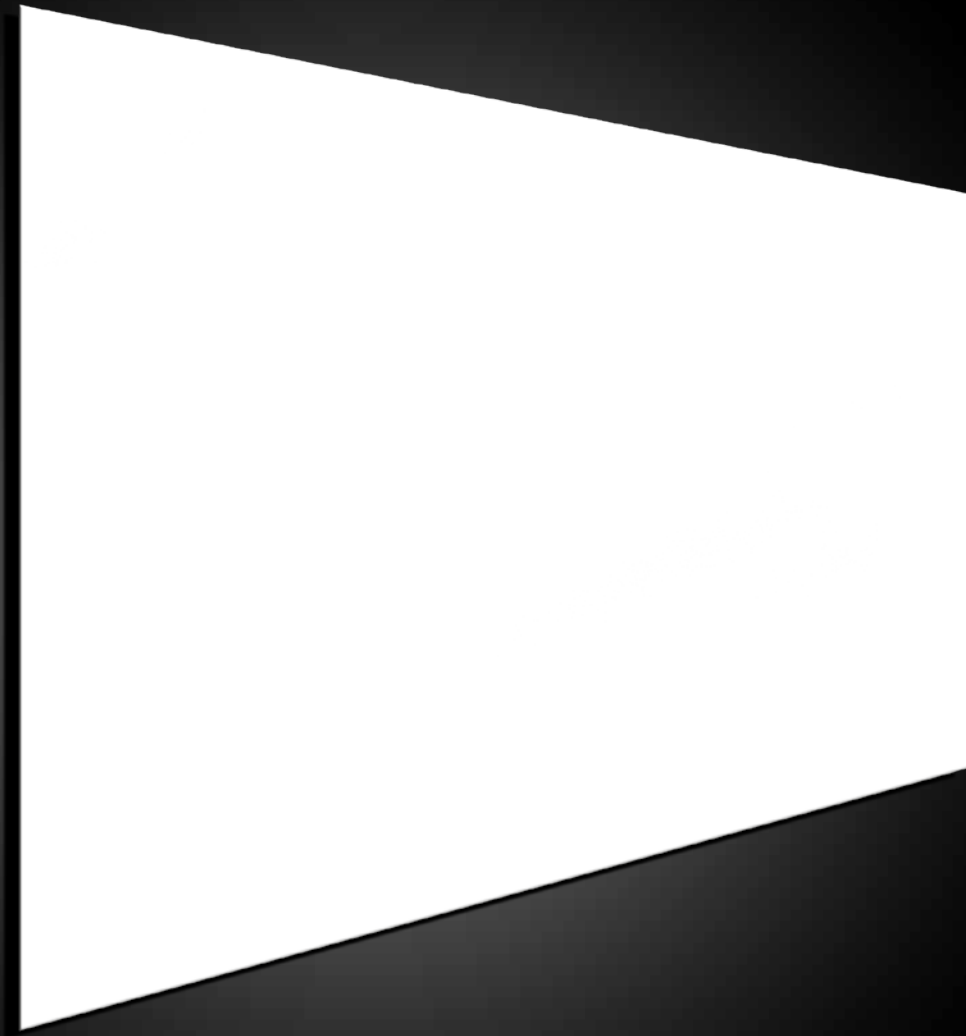
avstumpfl.com/magnum



BIG, BIGGER, MAGNUM

The roll up projection screen made of aviation technology

- ✓ High precision carbon shafts
- ✓ Perfect surface flatness
- ✓ Sleek design
- ✓ Up to 900cm wide
- ✓ Premium quality flame resistance surface materials
- ✓ Virtually seamless surfaces due to especially developed welding process



FIXED FRAME PROJECTION SCREENS

Stylish and sleek design. High precision. Quick and safe installation. Long lifetime.

All AV Stumpfl fixed frame projection screens feature a stylish design, unequalled life time, highest precision components with certified materials. 5 year warranty included. Projection installation perfected.

avstumpfl.com/fixedframe

WHAT IS A FIXED FRAME PROJECTION SCREEN?

A display solution that perfects the projected image.

Fixed frame projection screens have similar roots like mobile projection screens from a technological perspective: High precision extruded aluminum frames create the basic structure which holds the projection surface. Fixed frame projection screens are optimized for optical appearance and quick and safe permanent installation and depending on the application the client may choose between a variety of different surface materials. Our fixed frame projection screens are used in a variety of applications such as:



HOTELS
CORPORATE BUILDINGS



MUSEUMS
THEATER

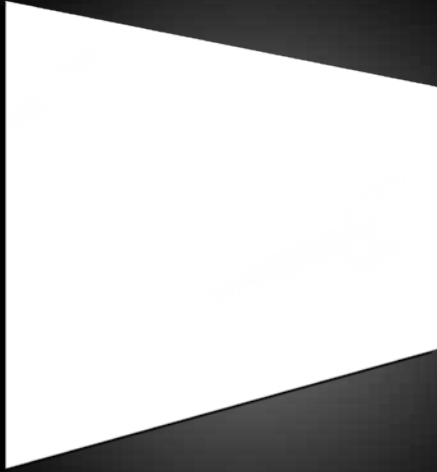


EDUCATION
TRAINING



HOME THEATER
LIVE SHOWS & EVENTS
EXHIBITIONS





FULLWHITE®

Purely the picture

Have you ever thought of an invisible projection screen? No borders. No depth. Fullwhite® makes the picture float in space. This pure design product is very popular for flying screen applications but features numerous different mounting solutions.

Multiple Fullwhite® projection screens can also be connected to create projected walls or cubes. Fullwhite® projection screens can be made to measure in any aspect ratio.

avstumpfl.com/fullwhite



THE FULLWHITE® FRAME

Unique shape. Unique result.

The uniquely shaped Fullwhite® basic profile is made of high precision extruded aluminum. The SafetyClamp connection ensures highest possible precision.

- ✓ Modular multi-element frame made of special extruded and hardened aluminum alloy
- ✓ Special shape profile cross section with 45 degree edge
- ✓ Most popular design for architectural projection installation and flying projection screens
- ✓ Manufactured in various formats in custom sizes

DECOFRAME

The perfect surrounding

Decoframe are top-quality and highly attractive fixed frame projection screens that are available for every image format, for both professional and private uses. Decoframe lends an elegant and professional appearance to your home cinema, conference room or any other permanent installation leaving nothing to be desired.

avstumpfl.com/decoframe



THE DECOFRAME

The framed projection on the wall

Our unique surface attachment solution with hooks ensures a homogenous surface tension.
Decoframe projection screens can be made to measure in any aspect ratio.



CUSTOM DESIGN PROJECTION SCREENS

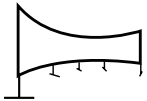
Any size. Any aspect ratio. Any radius. Any border. Any shape.

Whatever your projection screen requirements are, we are eager to work hard developing and manufacturing a perfect solution. No standard standardized.

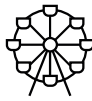
avstumpfl.com/custom

WHAT IS A CUSTOM DESIGN PROJECTION SCREEN?

Are you looking for a projection screen that has to meet some special requirements? Do you want a screen which has enormous dimensions, a curved shape, an extra wide border (or no border) and special mounting options? This is what we call a custom design projection screen and this is what we do every day. During the past 40 years of projection screen manufacturing we gathered quite a lot of experience in terms of what is technically possible and what should be done in a different way. Our custom design projection screens are used in a variety of applications such as:



HOTELS
CORPORATE BUILDINGS
MUSEUMS



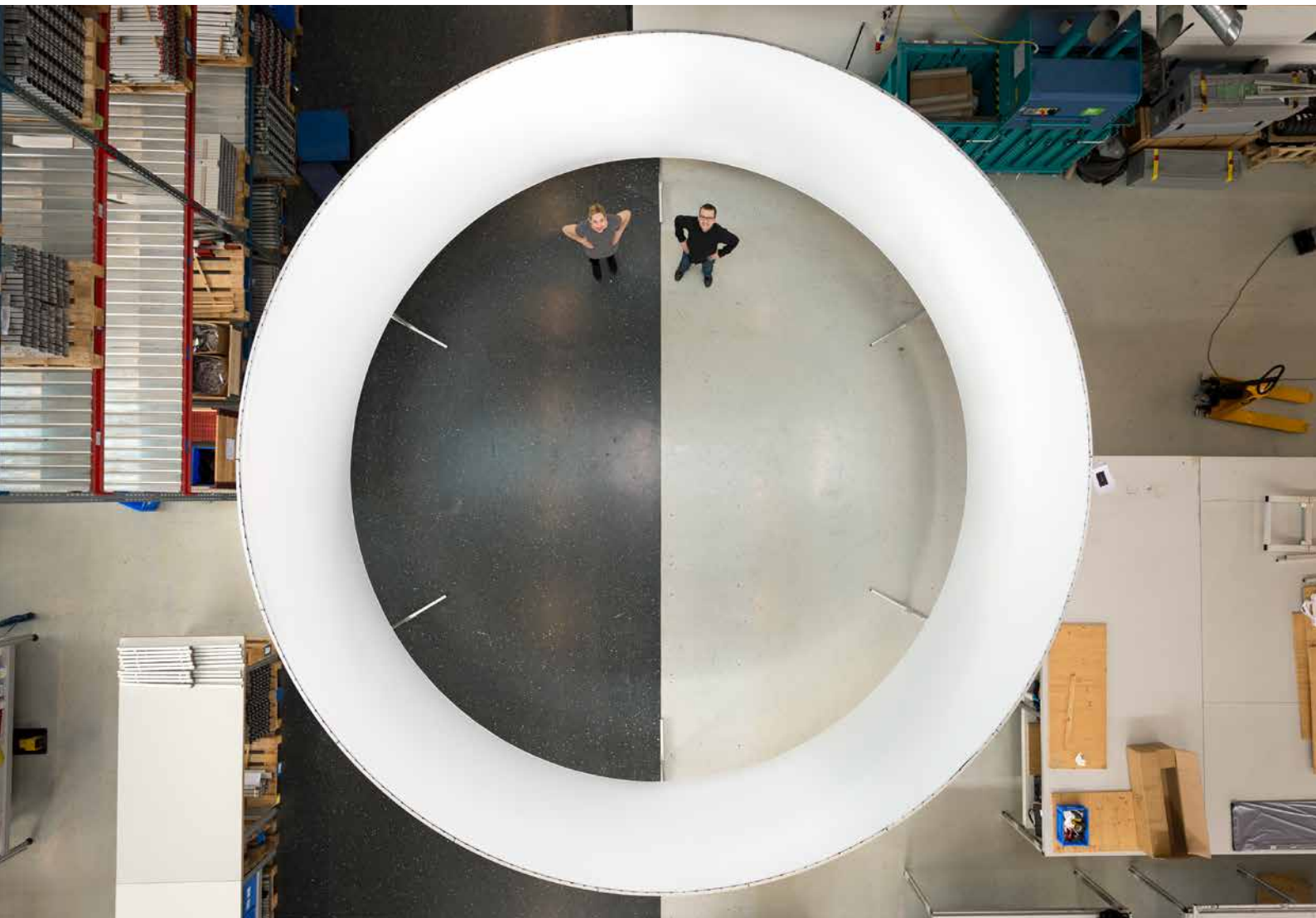
THEMED
ATTRACTION &
PARKS



SIMULATION &
TRAINING



EXHIBITIONS
LIVE SHOWS &
EVENTS



CURVE

Let the projection
surround you

Are you looking for something irregular? Our award winning mobile projection screens can be curved to almost any radius. The lightweight design derives from our mobile projection screen products which are in use at the world's leading rental and staging companies. Curve features the same slim design and easy setup with our unequaled quality. Change your way of projecting.

avstumpfl.com/curve



THE CURVE SYSTEM

The curved projection screen for your event or installation

- ✓ Simple setup
- ✓ Made to measure for your application
- ✓ Compact packing dimensions
- ✓ Various bending radius and surface materials available

FULLWHITE CURVE

Our design masterpiece

You are already familiar with curved projection screens but you're looking for a more architecture-compatible solution which completely hides all technology? Fullwhite Curve is a custom-made projection screen for design conscious applications.

avstumpfl.com/fullwhitecurve



FULLWHITE CURVE FEATURES

Custom made to the highest standards

- ✓ Solid frame construction and a flexible projection surface
- ✓ Creates unique border- and depthless appearance
- ✓ Wedge clamps ensure a gap-free profile part alignment
- ✓ Various surface and size options

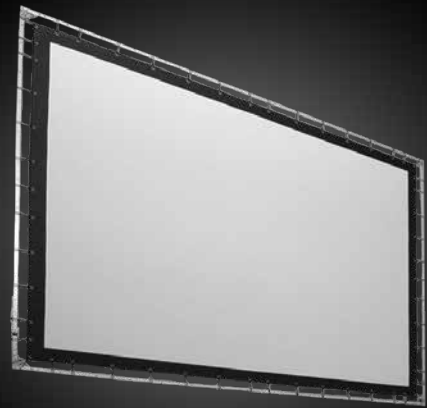


SURFACE WITH EYELETS

Professional projection surfaces for professional structures

Do you want to attach a projection screen surface to an existing truss structure? We do have a quick, safe and cost efficient solution. We do have flame resistant materials to meet strict requirements and a unique welding process that generates virtually no seams which enables us to create really large seamless surfaces.

avstumpfl.com/eyelets



DESERTSCREEN

Ultra mobile use

Which ways do you know to bring the projector into the proper position in front of the projection screen? Now there is definitely a new way to do so: A mounting solution to directly attach the projector to the projection screen. Desertscreen is a development based on our Monoblox®64 product, featuring the same high precision automatic snap joints. It is available in various standard sizes, but we are happy to manufacture a Desertscreen with your custom dimensions as well.

One or multiple projector mounts can be attached directly to the projection screen which eliminates the need for a dedicated projector stand.

avstumpfl.com/desertscreen

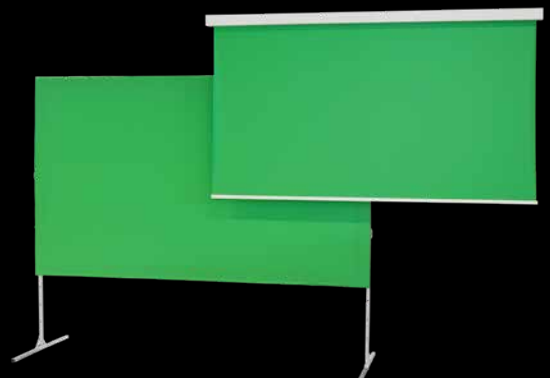


GREEN SCREEN

Chroma keying surfaces

Trust the proven quality of AV Stumpfl projection screens for your professional chroma keying requirements.

avstumpfl.com/greenscreen

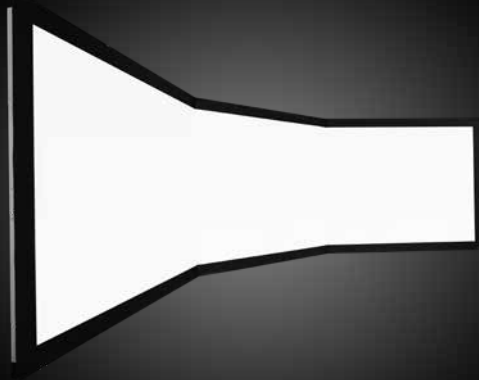


INVIFRAME

The modular solution for stage backdrops and trade show booths

Do you want to replace wooden and painted constructions? Inviframe is a robust construction system to build spectacular trade show booths and stage backdrops. All components are modular and can be reused again and again.

avstumpfl.com/inviframe



MULTIPANEL

Different angles, superior quality

The AV Stumpfl MultiPanel frame parts allow for flexible angle changes to create breathtaking simulation environments and similar setups in different sizes.

avstumpfl.com/multipanel



VARIOCLIP DUPLEX

Twice the visual impact

VarioClip Duplex is the perfect choice for unique environments that require the use of double sided projection screen systems.

avstumpfl.com/duplex



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Edition ISE 2020. We reserve the right to make modifications in the interest of technical progress.





THE GENERATIONS CHANGE, OUR PASSION FOR QUALITY REMAINS

Since our company was founded by Reinhold and Ulrike Stumpf in the 1970s, they have always been passionate about developing, manufacturing and servicing the best possible products for the AV market.

Together with a constantly growing team of enthusiastic and motivated individuals on one side, and an international partner network in over 60 countries on the other side, we have been collectively pushing the limits of what is technically possible for over 40 years now.

Our company is a true family business, because we believe that the ability to independently make decisions is one of the key success factors in our industry.

Most of our childhood was spent in the various departments of our company. This meant, that when the time came, we did not take over a business from a third party, but were able to conduct a smooth transition, which started many years ago and will continue for some time.

It is wonderful to be able to grow our business with our parents' original values in mind.

In this catalogue, we proudly present our latest media server product line up, which contains truly groundbreaking products, like the new PIXERA software and hardware, our powerful PIXERA two RT server for demanding realtime-graphics scenarios, as well as our award winning RAW servers for uncompressed 8K playback.

Our thanks go out to our partners and friends for their great support.

Our growing team and ourselves are looking forward to exciting new projects, combining your professionalism and creativity with our products and service.

Let's get started!

Tobias & Fabian Stumpf
[AVstumpf.com/team](https://www.avstumpf.com/team)

MEDIA SERVER SOFTWARE & HARDWARE

Live | Event | Theater | Installation | 3D Projection Mapping

Our media server hard- and software is used in a great variety of different applications and markets. Whatever your media production, installation or event production requirements are, our systems have been developed to combine premium quality with great usability.



SOFTWARE

Professional media playback | Media compositing.
3D Projection Mapping



HARDWARE

High-Performance servers | 24/7 | Uncompressed playback | Scalability | Show Control | Audio

NEXT GENERATION MEDIA SERVER SOFTWARE



HIGHLIGHTS

- Revolutionary GUI/usability concept
- Integrated projector and LED databases
- Intuitive 2D and 3D projection mapping workflows
- Powerful 8K Real-Time Render Engine
- Flexible and powerful API that allows external applications to build on PIXERA features
- NDI-Streaming
- Previsualization Video Export
- VIOSO camera calibration

PIXERA is a 64-bit system for real-time media processing, compositing and management. It is built around the **key theme of usability**. Users can gradually discover the options and features and can smoothly transition from being a beginner to becoming a true specialist. **Actions in the 2D and 3D space follow the same basic mechanisms.** The system was designed so that users can **execute the most important basic actions in record time** and with only a minimum of effort. A radical new interface logic enables even first time users to **intuitively understand the main software mechanics.**



▶ SUPERIOR USABILITY

Whether you are working in a 2D or 3D world, understanding this software's main functions is very easy. The GUI design allows for an ultra fast learning process based on a very smooth learning curve. This superior usability is the result of a holistic interface design approach that lets users focus on their actual work instead of forcing them to understand complicated menu structures. Many important basic actions can be performed following a drag & drop functionality.

▶ PROJECTOR & LED DATABASES

PIXERA includes projector and LED databases, so that you can easily simulate the real-life environments and technology components you will be working with. Just choose the appropriate projector or LED display model and drag&drop them into your project. Detailed information like „field of view“ etc. will make your life even easier when preparing softedge panoramas or multi-display installations.

▶ 3D PROJECTION MAPPING

In addition to offering a great 2D workflow, PIXERA users can also enjoy a state of the art environment for realising advanced 3D projection mapping setups. FBX import, marker calibration and the use of u/v perspective effects are just some of the features that will help users realise breathtaking projection mapping projects.



▶ THREE MAIN INTERFACE TABS

PIXERA's three main interface tabs are called SCREENS, MAPPING and COMPOSITING. Every single tab allows for a different point of view and point of access to the overall creative setup.

▶ POWERFUL REAL-TIME RENDER ENGINE

The render engine inside PIXERA is based on a 64-bit system architecture and is so powerful that it allows users to play out up to 4x uncompressed 4K (4:4:4) content streams @60 fps when using AV Stumpfl 8K RAW media servers. The engine includes several base level algorithms, replacing standard operating system and driver functions. Power and reliability make PIXERA a great choice when playing out and synchronising content for multi projector and multi display setups.

▶ PREVISUALIZATION

Using a geometrically correct 3D space and having the ability to import high resolution 3D objects becomes even more exciting as a way to previsualize projects with the option of exporting your design as a video file. With PIXERA, you can present your project vision and inspire your customer even before your show has started.

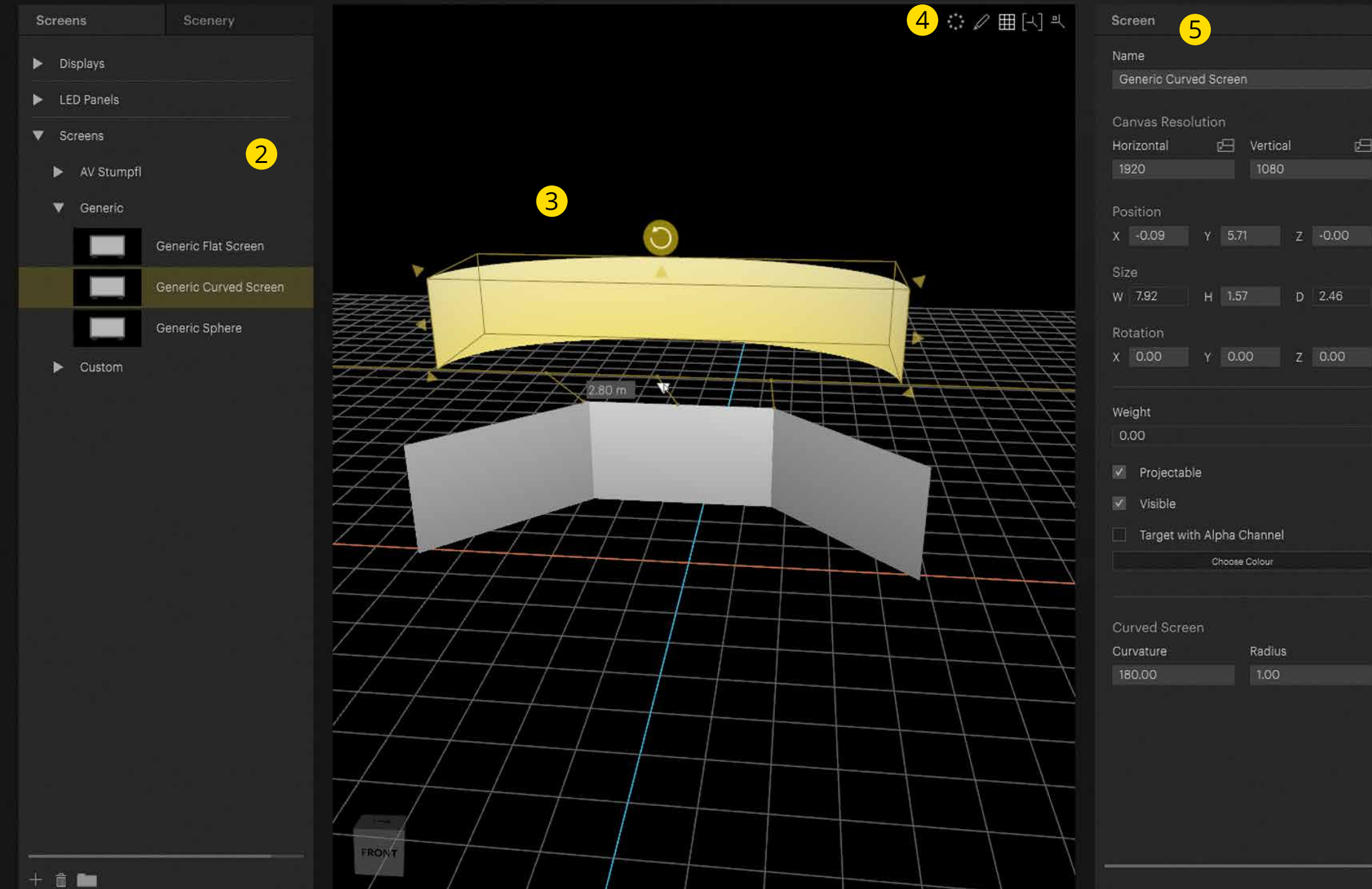


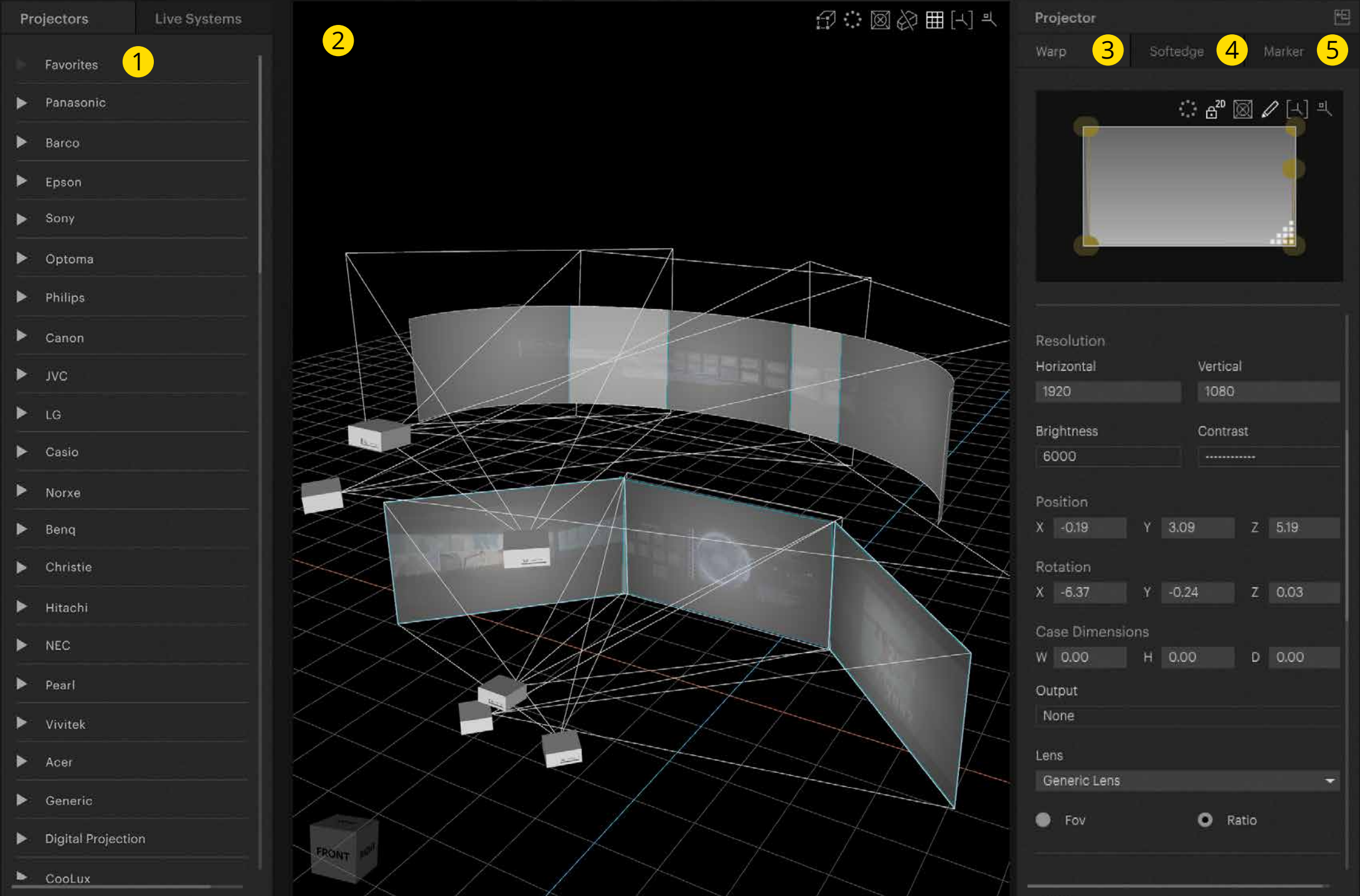
THREE MAIN INTERFACE TABS - **SCREENS**

PIXERA's three main interface tabs are called SCREENS, MAPPING and COMPOSITING. Every single tab allows for a different point of view and point of access to the overall creative setup. SCREENS offers you an overview of your project space where you can arrange your screens, LED walls, objects etc.

- 1 The sections and preference pane consists of PIXERA's main programming tabs: Screens, Mapping and Compositing.
- 2 Screens database, LED database and Scenery. Scenery shows all objects placed within the 3D space.
- 3 Geometrically correct 2D+3D Workspace including the navigation cube tool.
- 4 Workspace controls. From left to right: Auto Transform, Edit Mesh, Grid activation, Show all objects, reset camera.
- 5 Inspector: Screens, LED, and display properties as well as additional information can be found here.

Screens Mapping Compositing 1





THREE MAIN INTERFACE TABS - MAPPING

MAPPING is where warping, softedge adjustment and output routing happens.

- 1 Projector database & Live Systems. All PIXERA systems are visible here. Their outputs can be allocated to the projectors in the workspace.
- 2 The Mapping workspace refers to the exact same workspace as the one already shown as part of the Screens tab. Viewed from the Mapping tab perspective, this is where the pixel mapping, warping and projector set up happens as part of the same unified workflow.
- 3 Warping → Warping & Projector properties: e.g. position, lens, throw ratio and lens shift.
- 4 Softedge and masking for multiple projector setups.
- 5 Marker: The marker calibration can be used for calibrating projector positions within the 3D space.

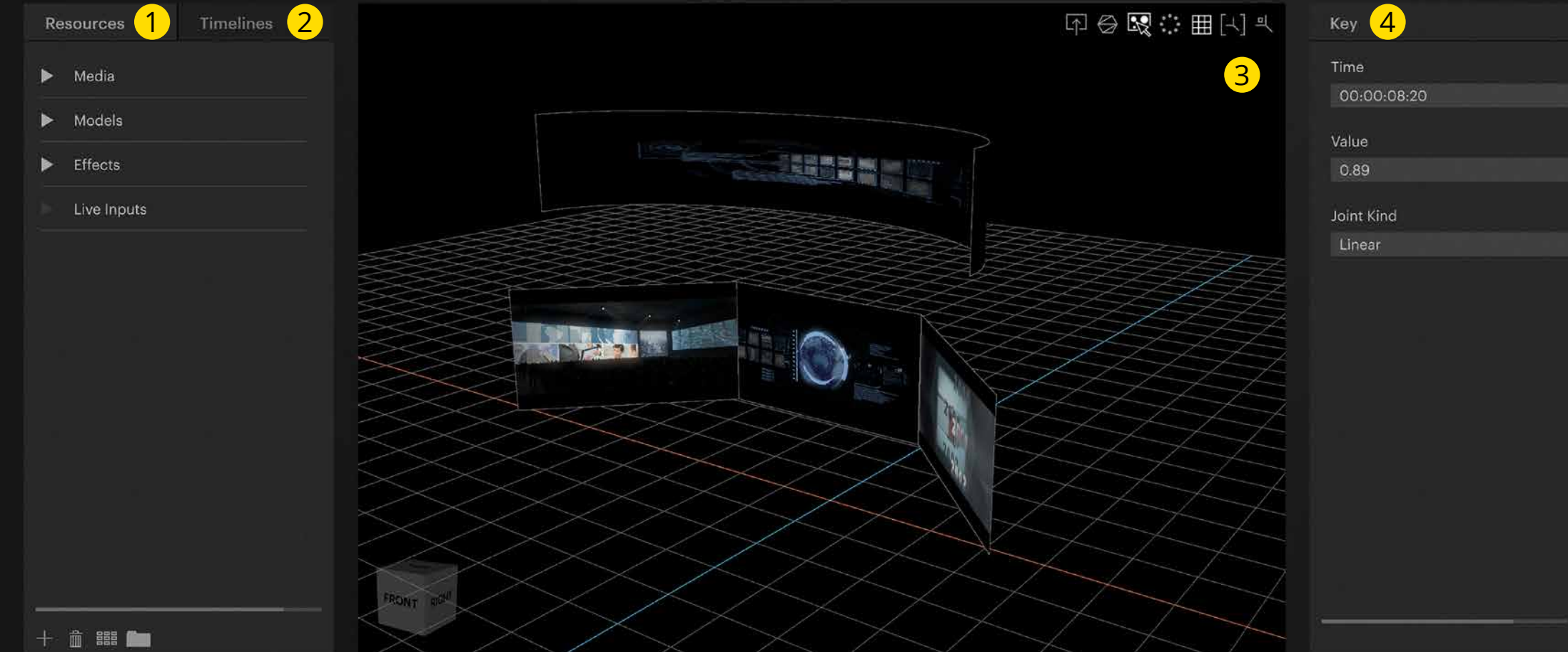


THREE MAIN INTERFACE TABS - COMPOSITING

Within the COMPOSITING tab you can be creative and use content to create and program your shows.

- 1 Resources: Users can manage and import resources -> content, effects, live inputs, 3D models, Notch Blocks etc.
- 2 Timelines: Here you can create multiple timelines and modify their settings for multi-timeline setups.
- 3 Workspace with the Compositing workspace controls
- 4 The Inspector shows information, settings and controls of the selected sub-structure, e.g. content settings, timeline settings or keyframe settings.
- 5 Timeline: A layer based timeline

Screens Mapping Compositing



PROJECTOR & LED DATABASES

PIXERA includes projector and LED databases, so that you can easily simulate the real-life environments and technology components you will be working with. Just choose the appropriate projector or LED display model and drag&drop them into your project. Detailed information like „field of view“ etc. will make your life even easier when preparing softedge panoramas or multi-display installations.

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Screens Mapping Compositing

ScreensScenery

Displays

LED Panels

Absen

Alabama

AOTO

Barco

Big-Bear

Christie

Clay-Paky

Daktronics

DigiLed

Ekta

Esdlumen

F-P

G-Lec

Galaxia

Hibino

Inarex

Infiled

Innlights

Kindwin

KINESIK

Led-Project

PRG

ROE

LED Panel

Name

C7

Size

W 0.40H 0.40D 0.07

Specifications

Display Values per Square Meter

Panel Resolution

Horizontal

52

Vertical

52

Physical Resolution

Horizontal

52

Vertical

52

Pixelcount

2704

Pixel Pitch

7

Viewing Angles

Horizontal

120.00

Vertical

120.00

Brightness (nits)

2000

Weight

5.00

Power Average

40

Power Max

120

Screens Mapping Compositing

ProjectorsLive Systems

Barco

Canon

Casio

Christie

Digital Projection

Epson

Hitachi

JVC

LG

NEC

Norxe

Optoma

Sony

Philips

Benq

Pearl

Vivitek

Acer

Generic

Panasonic

Coolux

Everest

Favi

Wolf Cinema

Projector

WarpSoftedgeMarker

Warp Settings

Screens Visible to Projector

car_export1

Screen Mapping is Active

FFD Modifier

Segments

X 1Y 1Z 1

Name

PT R221K #1

Feed Mode

As Projected

Resolution

Horizontal

1920

Vertical

1200

Brightness

Contrast

NEW PIXERA FEATURES



LIVE PREVIEW EDITING

This powerful feature lets you edit timelines in the preview window while the output shows content from a different section of the timeline. This allows changes to running shows to be previewed by the operator and then blended into the output on the fly.

DYNAMIC SOFTEDGE*

A softedge blend can be calculated automatically per frame, using the projector and screen information. This leads to a very quick setup time for static surfaces as well as giving users the ability to use blends on moving surfaces.

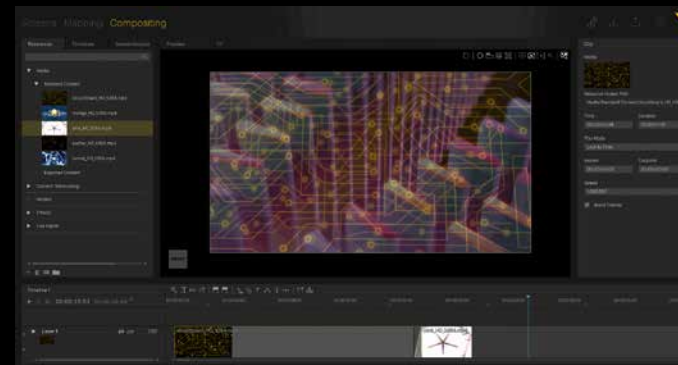


GAME ENGINE INTEGRATION*

Pixera will be able to natively host both Unity and Unreal game engines. This gives users the ability to use projects they have created with these powerful authoring and rendering environments.

DIRECT-API TRACKING SUPPORT*

A new area of the Pixera API gives more direct access to objects as they are rendered by the engine. It is now possible to realise advanced tracking scenarios. The acclaimed Stage Precision tracking system has been directly integrated into PIXERA.



BLEND TO TIME / BLEND TO CUE

Click anywhere in the timeline while the show is running and perform a smooth blend to the new position. Perfect for changes on the fly during live shows!

NDI STREAMING

Networked live inputs. Integration of NDI streaming for distributed live applications. The PIXERA outputs can also be sent via NDI.

VIDEO EXPORT

With the video export feature, you can render and export either the complete 3D venue to impress your customer with a vision of the programmed show, or you could render the content of specific screens to reduce the number of necessary layers as part of a complex composition.

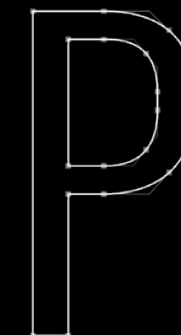
ART-NET PIXEL PATCHING

Pixel patching tools are seamlessly integrated into the UI. They allow users to reposition content pixels on the output as needed and to patch the result to Art-Net channels.



SELECTIVE TARGET RENDERING

To optimize your playback performance for large and complex projects, rendering targets can be assigned to screens, servers, or outputs. Additionally layer content playback can be limited to specific servers.



HIGH QUALITY TEXT

Texts in PIXERA are rendered on the GPU - extremely fast and in an unlimited resolution, no matter how large the individual letters are.



UNIVERSE SHOW CONTROL

PIXERA integrates the UNIVERSE software solution for realising show control scenarios as part of shows, events and fixed installations.



BITFOCUS COMPANION

The Bitfocus Companion integration allows PIXERA users to use the Elgato Streamdeck as a professional shotbox surface for switchers and broadcast equipment.

NOTCH

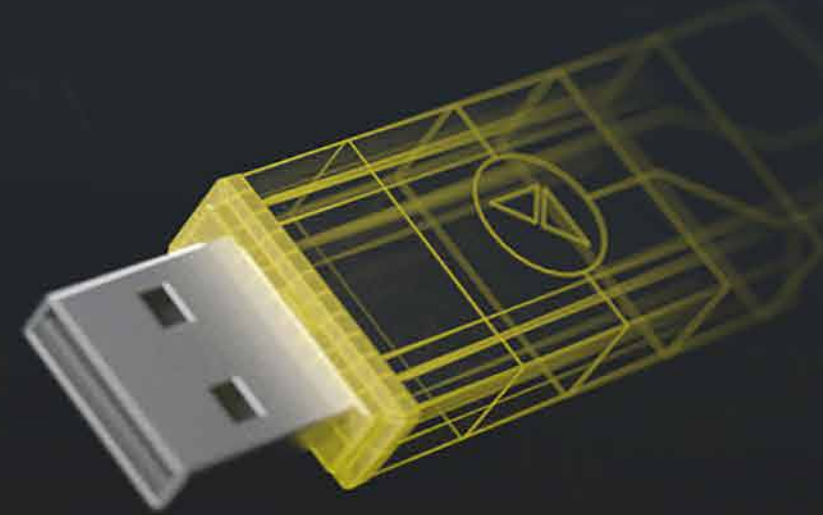
PIXERA users can use exciting Notch projects as part of their PIXERA project workflow.



***IN DEVELOPMENT**

for more details contact the AV Stumpfl team: pro-sales@avstumpfl.com

AVstumpfl.com/PIXERA/new



PIXERA SOFTWARE

PIXERA SOFTWARE LICENSE OVERVIEW

▶ PIXERA DIRECTOR

The PIXERA Director license can be used for pre-visualizing projects and for offline programming, in order to prepare and pre-program shows and content playout scenarios. It also features Master functionality, so that it can be used for controlling multiple PIXERA clients.

▶ PIXERA PLAYER

The PIXERA PLAYER license is a versatile and powerful option for a great variety of applications. Please note that image sequences cannot be imported with this license option and that users can use a maximum of two timelines.

▶ PIXERA SERVER

The PIXERA SERVER license offers users all features of a standard PLAYER license without timelines being limited and with the ability to import image sequences. This license option is installed on all AV Stumpfl hardware products and is perfectly suited for using uncompressed content (Full HD, 4K, 8K depending on hardware).

Should you have any more questions regarding license options or related topics, please contact us directly: pro-sales@avstumpfl.com



DEMO VERSION

INSTALLATION GUIDE PIXERA DEMO VERSION:

STEP 1: Download the PIXERA Demo Version.
(www.AVstumpfl.com/PIXERADemo)

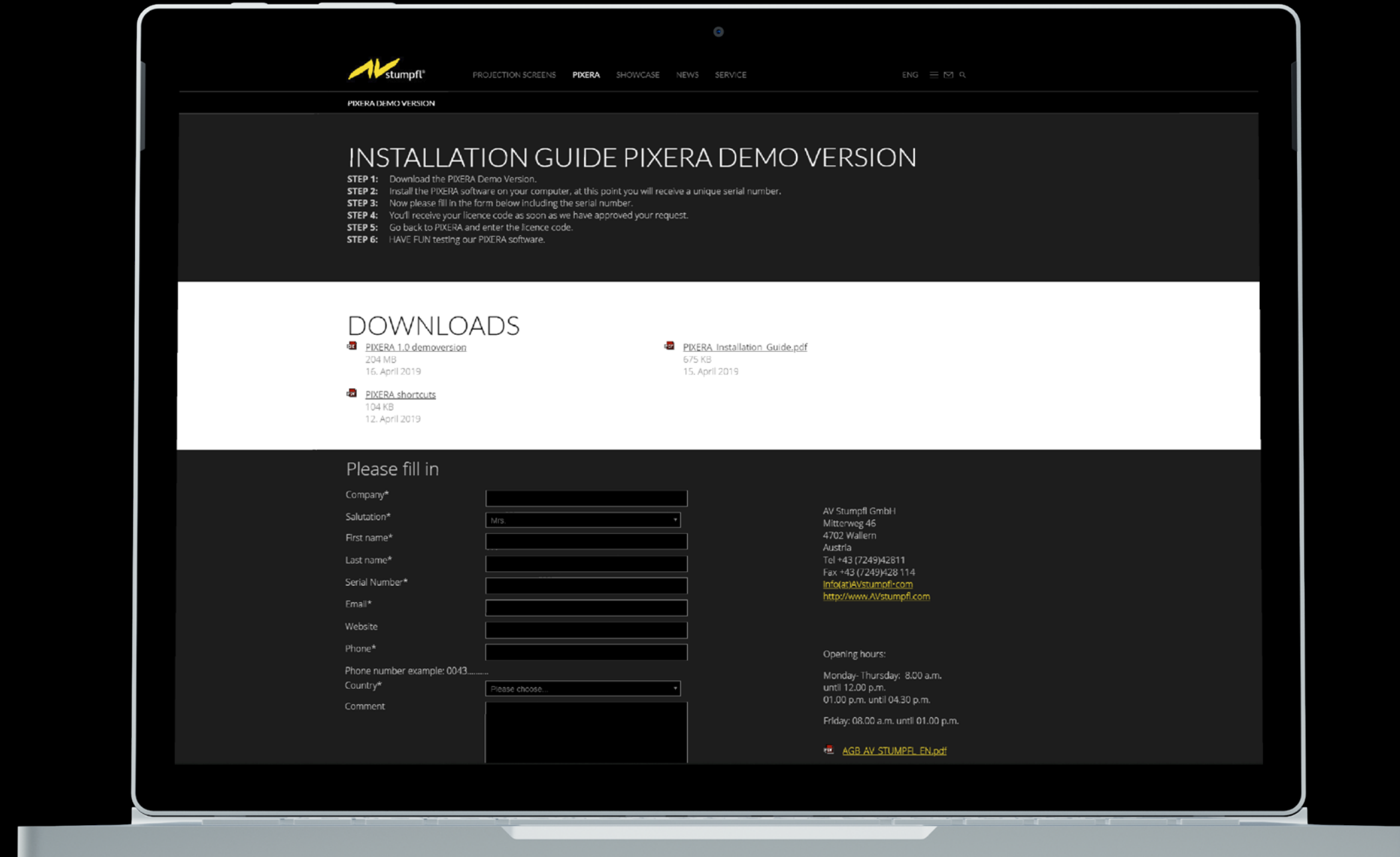
STEP 2: Install the PIXERA software on your computer, at this point you will receive a unique serial number.

STEP 3: Now please fill in the form below including the serial number.

STEP 4: You'll receive your licence code as soon as we have approved your request.

STEP 5: Go back to PIXERA and enter the licence code.

STEP 6: HAVE FUN testing our PIXERA software.



YOUR PIXERA COMMUNITY



QUICK START GUIDE
AVstumpfl.com/quickstartguide



TUTORIALS
AVstumpfl.com/tutorials



USER FORUM
Technicalforum.AVstumpfl.com



FACEBOOK
bit.ly/PIXERA_user_group

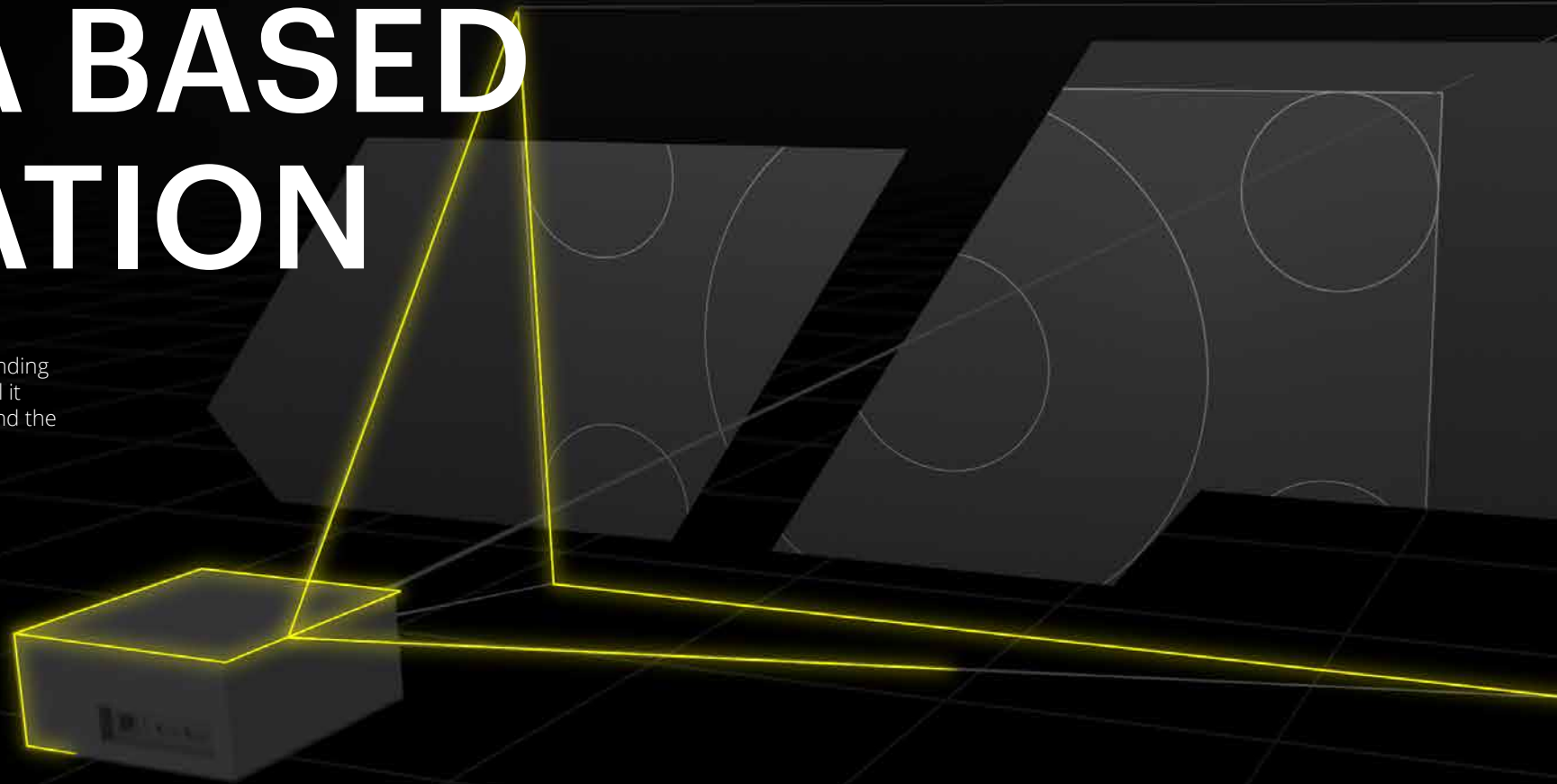


NEWSLETTER
AVstumpfl.com/newsletter

VIOSO®

AUTOMATIC CAMERA BASED CALIBRATION

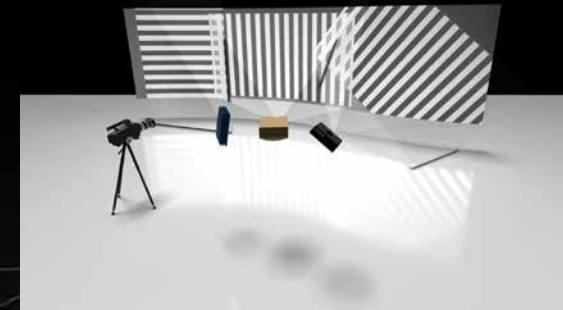
Have you ever aligned multiple projectors with softedge blending and geometry correction? Have you thought about how cool it would be if media servers could automatically warp and blend the projectors using a camera? This has become reality already.



PIXERA

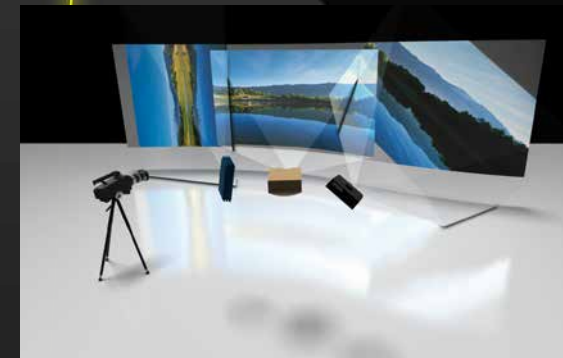
INITIAL SETUP

All projectors are set up and mechanically roughly aligned. Better mechanical alignment leads to more resolution being available for the final content. The cameras are positioned so that they can “see” the entire projection surface.



AUTOMATIC CALIBRATION

The software will now project different calibration patterns which are analyzed by the system. Based on that information the software calculates the geometry correction and the softedge blending of the overlapping areas. There are different calibration modes available depending on the intended projection surface: Flat or curved screens, 3D models and irregular surfaces such as building facades or rocks.



FINAL RESULT

Once the calibration is finished the resulting total output is mapped onto the projection surface. The calibration is stored and can be recalled anytime.



PIXERA integrates this fascinating auto-calibration technology from VIOSO.

PIXERA mini

compact and powerful

PIXERA mini is an ultra-compact media server perfect for digital signage and multi-display applications. The PIXERA mini is a 1U and ½ 19" product. Two PIXERA mini servers can be installed in a 1U 19" rack.

PIXERA mini is available with 2 or 4 outputs.

AVstumpfl.com/PIXERAmulti





PIXERA one

Compact, Flexible and User-Friendly

PIXERA one is a compact 1U server model, that can play back **uncompressed 4K at 60fps**.
With a depth of only 45cm, the PIXERA one is perfect for installation environments.

PIXERA one is available with 2 or 4 outputs.
AVstumpfl.com/PIXERAone



HIGHLIGHTS

- super compact with a depth of only 45cm, perfect for installations.
- can be upgraded for Uncompressed 4K (4:4:4) 60fps content playback.
- many à la carte options for specifying hardware components
- available with 2 or 4 outputs
- supports Flex technology

INAVATION AWARDS
TECHNOLOGY WINNER 2019

PIXERA two

Compact, Flexible and User-Friendly

PIXERA two is a compact 2U media server system, that can play back **uncompressed 4K at 60fps**. It offers even more customization options than PIXERA one and comes with a redundant power supply.

This new media server model is available with 2, 4 or 8 outputs.
AVstumpfl.com/PIXERAtwo



HIGHLIGHTS

- super compact with a depth of only 46cm, perfect for installations.
- can be upgraded for Uncompressed 4K (4:4:4) 60fps content playback.
- many à la carte options for specifying hardware components
- available with 2, 4 or 8 outputs
- redundant power supply
- supports Flex technology



PIXERA two RT

Fast and Powerful

The PIXERA two RT server offers **unprecedented data read speed and processing power** for extremely demanding **realtime graphics projects**.

This new media server model is available with 4 outputs.

AVstumpfl.com/PIXERAtwoRT



HIGHLIGHTS

- extreme processing power for ultra-demanding realtime graphics project
- fastest comparable media server on the market
- ultra fast **NVMe read speed of up to 10GB/s**
- playout of up to **six simultaneous uncompressed 4k60 8-bit** content streams or **four uncompressed 4k60 10-bit** content streams*
- compact chassis

*requires PIXERA version 1.6

RAW SERVER

Uncompromising playback quality

Tired of limited color subsampling, banding effects and jitter when presenting videos on large format displays and screens?
We are pushing the limits of current video playback solutions with our top level media server platform RAW,
delivering up to 4 times **uncompressed 4K60 playback (4:4:4)**, or **uncompressed 8K** 8192 x 4320.

AVstumpfl.com/raw



HIGHLIGHTS

- uncompressed video playback
- ultra high resolution up to 8K
- maximum color depth (12 bit)
- realtime color space transformation
- realtime frame blending
- ultra high data rate
- 120 fps playback
- advanced hardware platform



Audi Booth IAA 2015, Frankfurt, DE

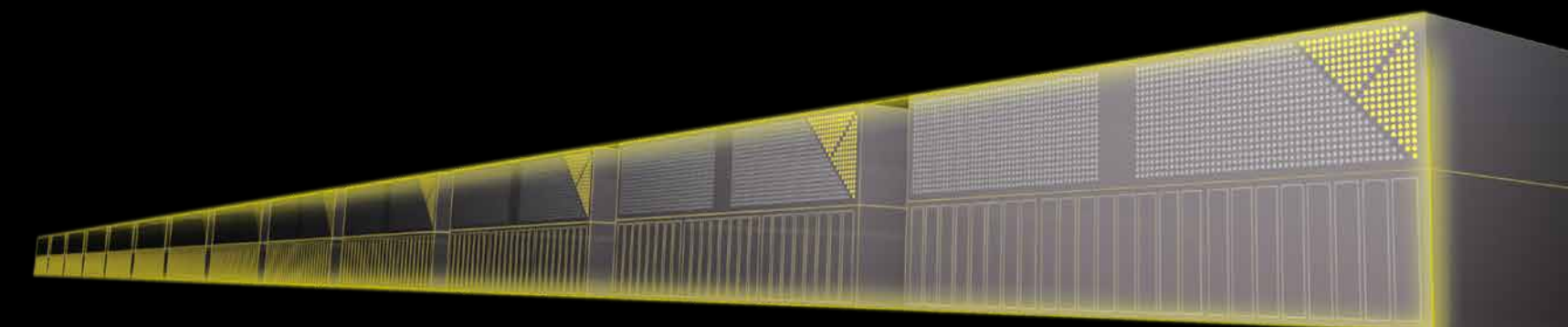


HARDWARE CONFIGURATOR

FIND THE PERFECT SERVER FOR YOUR PROJECTS

PIXERA server hardware offers you a lot of choices when it comes to the specific configuration of the server models that fit your project requirements. In order to make finding the perfect configuration easy and fun, we created a versatile hardware configurator tool, which you can access on our website.

AVstumpfl.com/PIXERA/configurator



PIXERA two

PIXERA two is a compact 2U high performance media server system with server grade hardware components.

- Xeon 13 (Intel Xeon SP, 8/8 cores, 1.7/1.7GHz)
- 24GB RAM (ECC, 3 channels)
- 240GB SSD for OS
- 480GB SSD for Data Storage (read rate 500MB/s)
- Physical Video Outputs: 4x DP1.4
- EDID Management
- Stereo Audio Output (Unbalanced, 3.5mm TRS)
- 2x 10Gbps LAN
- 1x IPMI LAN
- Redundant Power Supply

PIXERA two - Model and Output License

Choose the output license:

- PIXERA two DUAL
- PIXERA two DIRECTOR

VIOSO Camera Calibration License

- No VIOSO AutoCal License
- VIOSO AutoCal Dual License
- VIOSO AutoCal-Plus Dual License

PIXERA two

- PIXERA two DUAL (P12-2/P14)
- VIOSO AutoCal-Plus Dual License (P10-2/P14P-2)
- Xeon 54 Upgrade (P10-154)
- 3.84TB Data Storage SSD Upgrade (P10-D3T8)
- FrameLock and Genlock (P10-S1)
- GUI Output (P10-GALP/G1)
- 1TB NVMe (P10-NV08N1T0)
- 2 Channel DVI Live Input (P12-1/P12-2)
- 2 Channel DVI Live Input (P12-1/P12-2)
- 4 Channel 3G-SDI Live Input (LP2) (P12-1/LP2/154)

Configuration codes: P12-2/P14 P10-2 P10-154 P10-D3T8 P10-S1 P10-GALP/G1 P10-NV08N1T0 P12-1/P12-2 LP2/154



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Edition ISE 2020. We reserve the right to make modifications in the interest of technical progress.