PROJECTION SCREENS
PROJECTION SCREENS BY AV STUMPFL
Perfection in Projection Screens | Mobile | Roll Up | Fixed Frame | Custom

AV Stumpfl projection screens feature an unequaled 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
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 Stumpfl
avstumpfl.com/team
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
The truly revolutionary SHIFT 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 SHIFT 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 SHIFT 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.
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

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-inch increment **fine adjustment** possible
- Clearly marked **height scale**
- Clearly marked height scale
- One person assembly in less than 5 minutes
- 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.
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


All AV Stumpfl mobile projection screens feature an unequaled 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.

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.

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.

SURFACE BAG
The surface is shipped folded in special foam lined sheets which can be opened quick and easy using a zip fastener. The surface sheets 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 Stumpf’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

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 900 cm wide
- Premium quality flame resistance surface materials
- Virtually seamless surfaces due to especially developed welding process
FIXED FRAME PROJECTION SCREENS


All AV Stumpfl fixed frame projection screens feature a stylish design, unequaled 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


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

DESSERTSCREEN

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
THE GENERATIONS CHANGE, OUR PASSION FOR QUALITY REMAINS

Since our company was founded by Berndt and Ute Stumpff 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 network in over 40 countries on the other side, we have been collectively pursuing the same goal: to make it technically possible for even 20 years now.

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

Most of our childhood was spent in the various departments of our company. This means, 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 parent’s 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 MEDIA software and hardware, our powerful MEDIA live AV server for demanding media-grapics-scenarios, as well as our award winning 5600 servers for uncompressed B4 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 Stumpff

 MEDIA SERVER
SOFTWARE & HARDWARE

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

Our media server hardware 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
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 intuitively discover the operations and features and can smoothly transition from being a beginner to becoming a pro specialized. 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 vast of ease interface logic enables even first-time users to intuitively understand the main software mechanics.

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
POWERFUL REAL-TIME RENDER ENGINE
The renderer engine inside PIXERA is based on a 64-bit system architecture and is so powerful that it allows users to play back uncompressed 4K, 8K and 16K content streams (60fps) when using AV-Scalable MXF media servers. The engine includes several base-level algorithms, including standard OpenGL, spatial and driver functions. Power and reliability make PIXERA a great choice when dealing with large and synchronizing content for multi-projector and multi-display setups.

PREVISUALIZATION
Using a procedurally correct 3D-space and having the ability to import high resolution 2D graphics/customer rendered content, it is easy to previsualize projects without the option of importing your design as a 2D file. With PIXERA, you can preview your project in 3D and inspire your customer even before your show has started.

THREE MAIN INTERFACE TABS
PIXERA’s three main interface tabs are called SCREENING, MAPPING and CODING. Each of these is a different point of view and point of access to the overall creative setup.

SUPERIOR USABILITY
Whether you are working in a 2D or 3D world, understanding this software’s functionality is easy. The toolchain design allows users to build your rendering 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 design actions can be performed following drag & drop functionality.

PROJECTOR & LED DATABASES
PIXERA includes projector and LED databases, so that you can easily simulate the geometry of any environment and modify the rendering accordingly. By working with Lux, choose the appropriate projector or LED display that is available, drop it into your scene, and set your parameters. Projector information like field of view or aspect ratio can be adjusted while preparing software panoply 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 building advanced 3D projection mapping setups. PBK import marker calibration and the use of LPS perspective affordances are just some of the features that will help users create breathtaking projection mapping projects.
THREE MAIN INTERFACE TABS - SCREENS

PIXERA's three main interface tabs are called SCREENS, MAPPING, and COMPOSING. Every single tab allows for a different purpose of viewing and working with screens in the tool.

SCREENS: Offers an overview of your project space where you can arrange your screens, LED walls, objects, etc. The tabs in this section show all screens placed within the 3D space.

MAPPING: Offers an overview of your project space where you can arrange your screens, LED walls, objects, etc.

COMPOSING: Offers an overview of your project space where you can arrange your screens, LED walls, objects, etc.

Inspector: Screens, LED, and display properties as well as additional information can be found here.
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 warping 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

1. Resources: Users can manage and import resources, e.g., content, effects, live inputs, 3D models, N частики, 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.

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Timeline: A layer-based timeline.
PROJECTOR & LED DATABASES

P500A 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-and-drop them into your project. Detailed information like Field of view etc., will make your life even easier when preparing software panoramas or most display installations.

3D PROJECTION MAPPING

In addition to offering a pixel-perfect P500A, users can also enjoy a state-of-the-art environment for rendering advanced 3D projection-mapping setups. PTX import, marker calibration, and the use of uv perspective effects are just some of the features that will help users to breathe life into their mapping projects.
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.

**GAME ENGINE INTEGRATION**
Pixera and 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.

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

**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 advanced Stage Prompt tracking system has been directly integrated into PSEKA.

**NDI STREAMING**
Networked live inputs, integration of NDI streaming for distributed applications. The PSEKA outputs can also be sent via NDI.

**VIDEO EXPORT**
With the video export feature, you can render and export either the complete 3D scene or just the programmed show, or you could render the contents of specific layers to reduce the number of necessary layers as part of a complex composition.

**HIGH QUALITY TEXT**
TEXTS in PSEKA are rendered on the CPU – rendering fast and in an unlimited resolution. No matter how large the rendered letters are.

**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.

**SELECTIVE TARGET RENDERING**
Projects, rendering targets can be assigned to screens, servers, projects, they have created with these powerful authoring and rendering environments.

**UNIVERSE SHOW CONTROL**
PSEKA integrates the UNIVERSE software solution for managing show control scenarios as part of shows, events and fixed installations.

**ART-NET PIXEL PATCHING**
Patch patching tools are seamlessly synced and sync the L3. They allow users to reposition content pixels on the output as needed and to patch the result to L3's full channels.

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**NOTCH**
Pixera users can create existing Notch projects as part of their PSEKA project workflows.

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

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

**ART-NET PIXEL PATCHING**
Patch patching tools are seamlessly synced and sync the L3. They allow users to reposition content pixels on the output as needed and to patch the result to L3's full channels.

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PSEKA integrates the UNIVERSE software solution for managing show control scenarios as part of shows, events and fixed installations.
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: prosales@pixera.com

PIXERA SOFTWARE

PIXERA DIRECTOR
The PIXERA Director license can be used for pre-visualization projects and for offline programming, in order to prepare and/or program shots and create realistic camera movements. It also features SIDP functionality but it can only 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 tailored for all AI-Grupped hardware products and is perfectly suited for using uncompressed content (Full HD, 4K, 8K depending on hardware).

PIXERA SOFTWARE LICENSE OVERVIEW
INSTALLATION GUIDE PIXERA DEMO VERSION:

STEP 1: Download the PIXERA Demo Version.
(www.1stup.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.
AUTOMATIC CAMERA BASED CALIBRATION

Have you ever aligned multiple projectors with soft-edge 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.

INITIAL SETUP
All projectors are set up and mechanically roughly aligned. Better mechanical alignment kicks in once validated during the final setup. 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 soft-edge blending of the overlapping areas. There are different calibration modes available depending on the intersecting projection surface, be it flat or curved screens, 3D models and irregular surfaces such as building facades or rocks.

FINAL RESULT
Once the calibration is finished the resulting data 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 10 inches x 10 inches product. Two PIXERA mini servers can be installed in a 1U 19" rack.

PIXERA mini is available with 2 or 4 outputs.

PixeraPics.com/PXD350Mini
PIXERA one

Compact, Flexible and User-Friendly

PIXERA one is a compact 1U server model, that can playback 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.

Highlights
• Super compact with a depth of only 45cm, perfect for installations.
• Can be upgraded for 3 compressed 4K @ 48fps content playback.
• Many “à la carte” options for specifying hardware components.
• Available with 2 or 4 outputs.
• Supports this technology.
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 extensive customisation options that PIXERA one and comes with a redundant power supply.

This new media server model is available with 2, 4 or 8 outputs.

HIGHLIGHTS

• Slender compact with a depth of only 40cm, perfect for installations
• Can be upgraded for uncompressed 4K (ultra 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 PX25A two RT server offers unprecedented data read speed and processing power for extremely demanding realtime graphics projects.

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
- playing of up to nine simultaneous uncompressed 4K60 8-bit content streams or four uncompressed 4K60 10-bit content streams*
- compact chassis

* requires PX25A version 1.0

This new media server model is available with 4 outputs.

NEW AT ISE 2020
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-tier media server platform SDX, delivering up to 4 times uncompressed 4K 60 playback (4:4:4), or uncompressed 8K 3:10:6 x 4:2:0.

Adapted from a press release.

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

Adapted from a press release.
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.

#setupPIXERA/PXERACConfigurator