





THE GENERATIONS CHANGE, OUR PASSION FOR QUALITY REMAINS

Since our company was founded by Reinhold and Ulrike Stumpfl 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 and versatile STAGE media server, 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 Stumpfl

AVstumpfl.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

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.**

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

▶ 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.

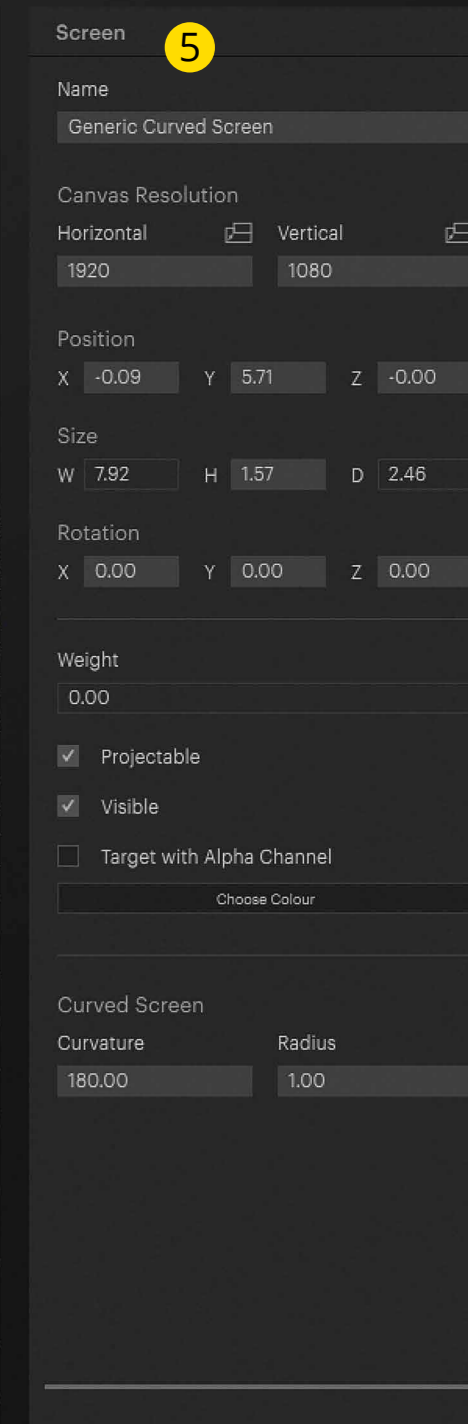
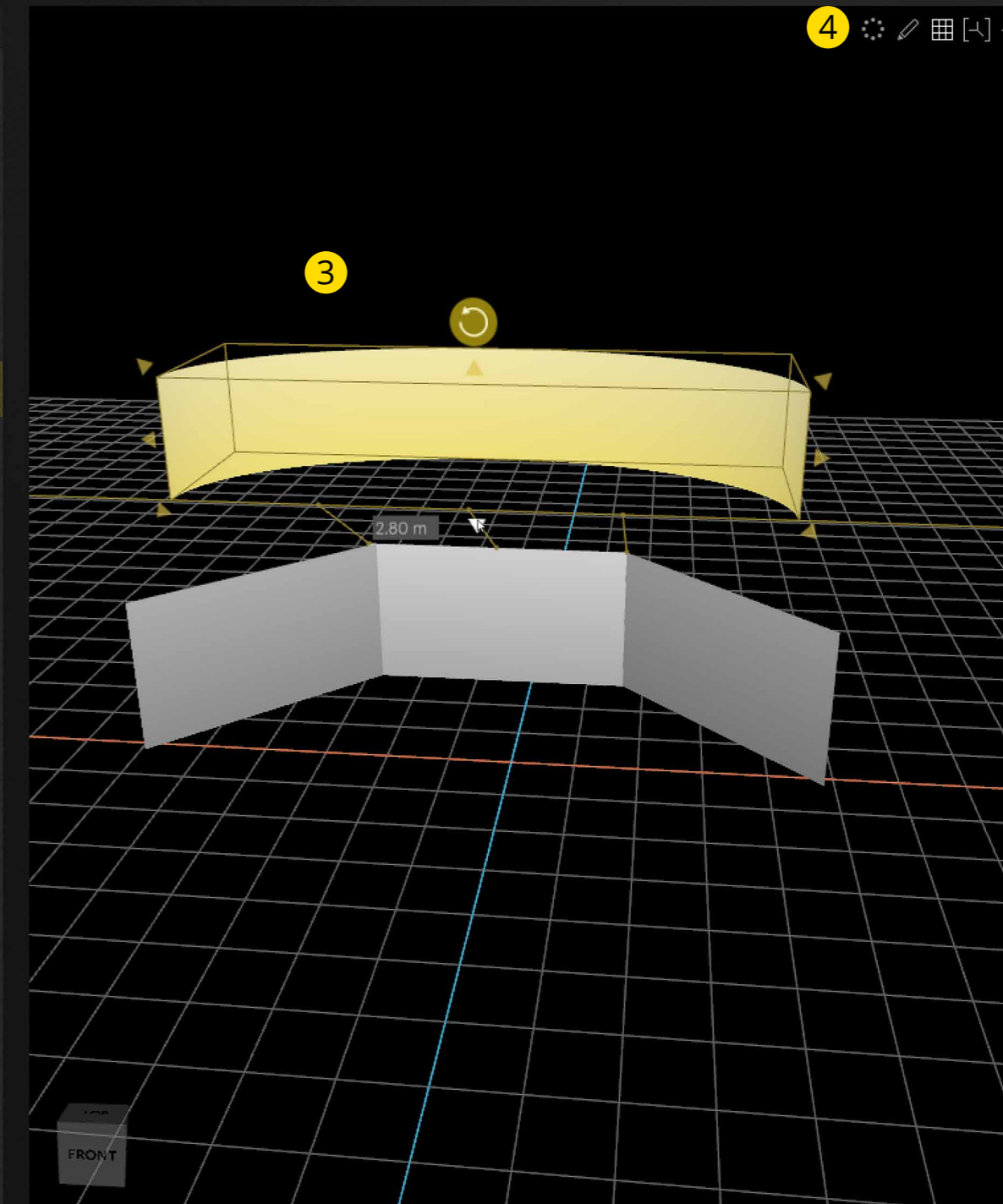
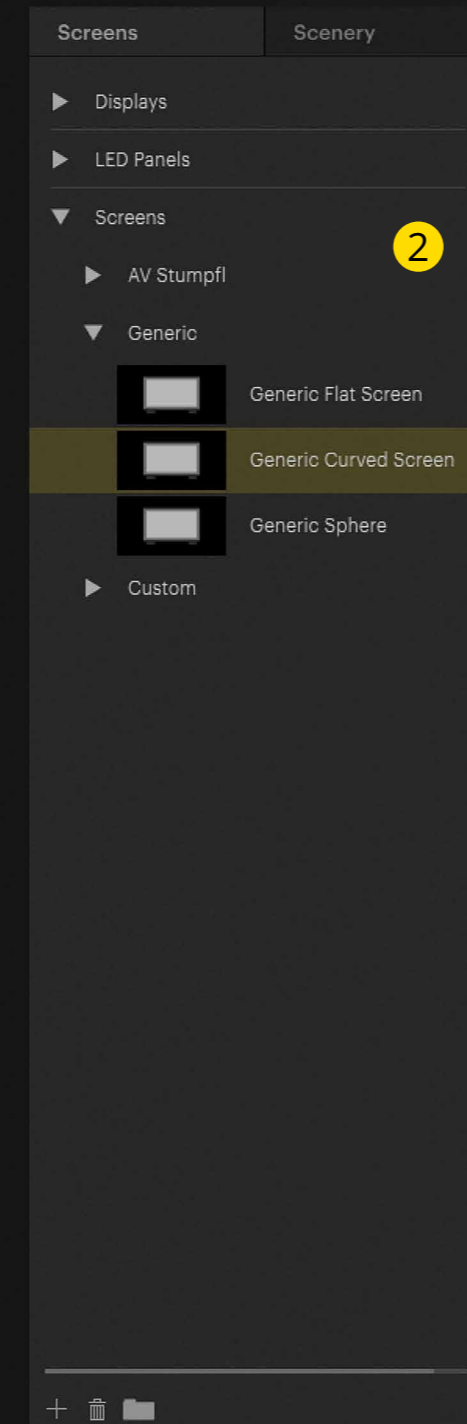


THREE MAIN INTERFACE TABS - SCREENS

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





Projectors Live Systems

1 Favorites

- ▶ Panasonic
- ▶ Barco
- ▶ Epson
- ▶ Sony
- ▶ Optoma
- ▶ Philips
- ▶ Canon
- ▶ JVC
- ▶ LG
- ▶ Casio
- ▶ Norxe
- ▶ Benq
- ▶ Christie
- ▶ Hitachi
- ▶ NEC
- ▶ Pearl
- ▶ Vivitek
- ▶ Acer
- ▶ Generic
- ▶ Digital Projection
- ▶ Coolux

2

Projector

3 Warp 4 Softedge 5 Marker

Resolution

Horizontal	Vertical
1920	1080

Brightness

6000

Contrast

Position

X	Y	Z
-0.19	3.09	5.19

Rotation

X	Y	Z
-6.37	-0.24	0.03

Case Dimensions

W	H	D
0.00	0.00	0.00

Output

None

Lens

Generic Lens

Fov Ratio

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.

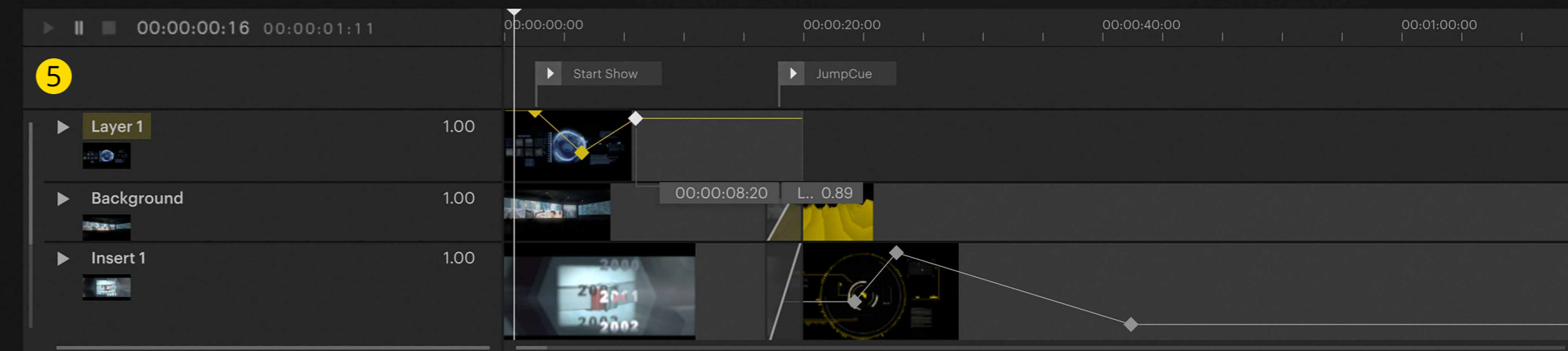
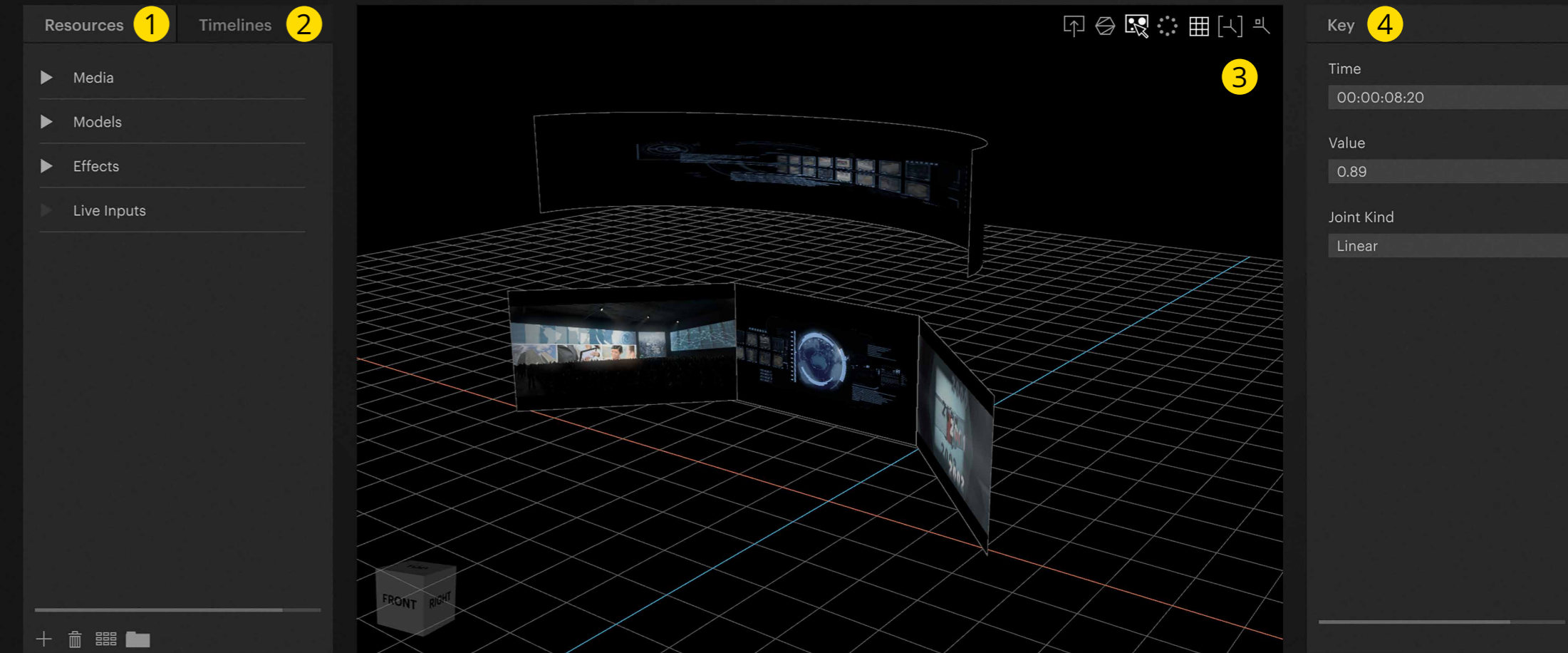


THREE MAIN INTERFACE TABS - COMPOSITING

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

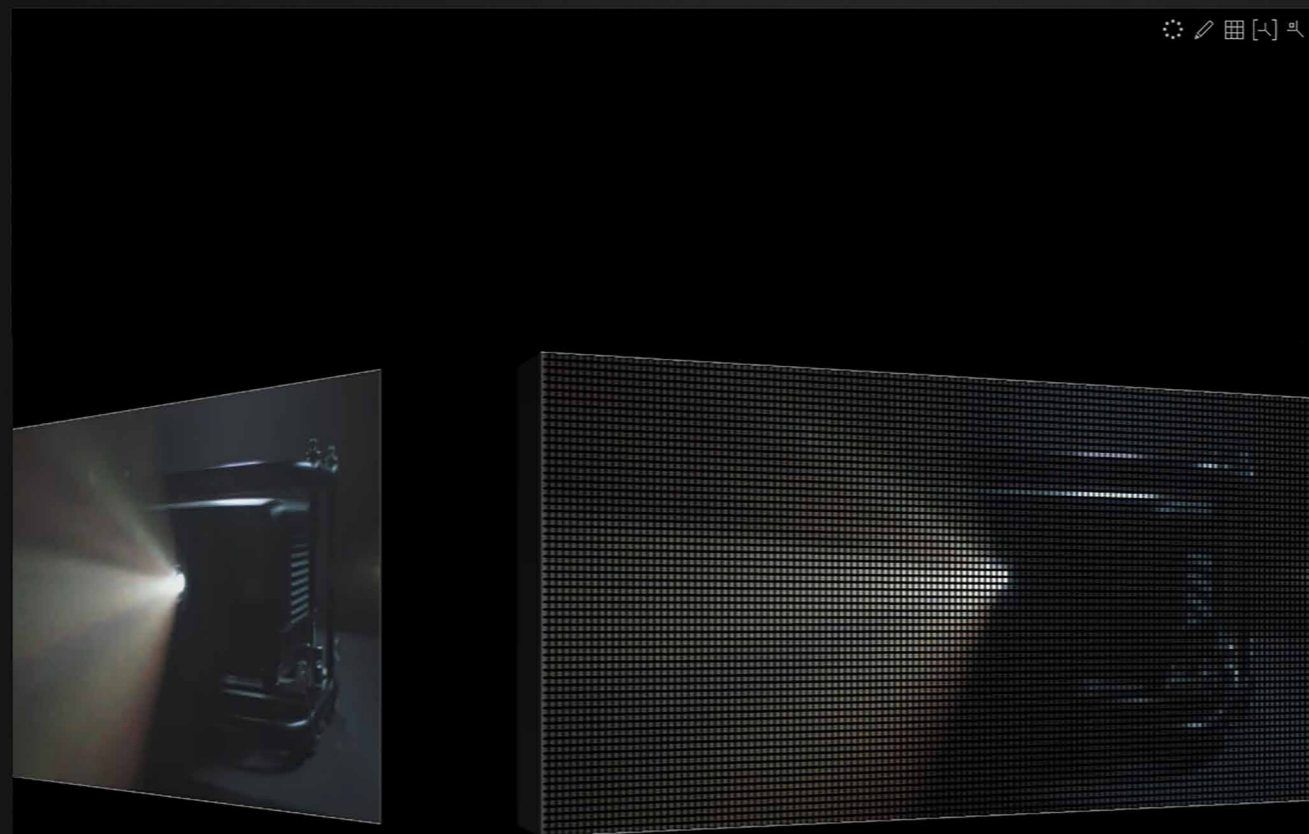
PIXERA includes projector and LED databases, so that you can easily simulate the real-life environments and technology components you will be working with. Just choose the appropriate projector or LED display model and drag&drop them into your project. Detailed information like „field of view“ etc. will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

3D PROJECTION MAPPING

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Screens Mapping Compositing

- Screens
- Scenery
- 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 0.40 H 0.40 D 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

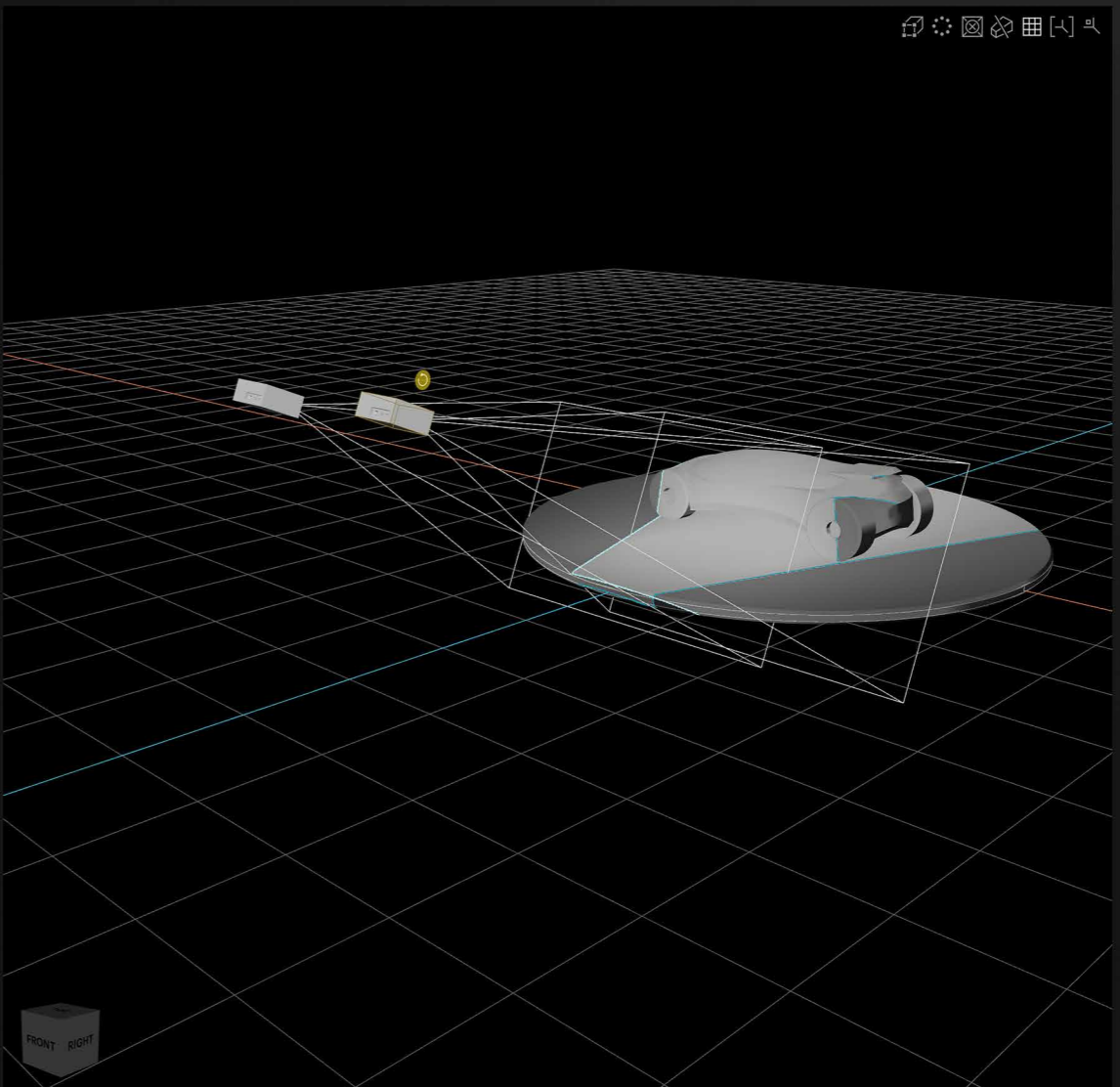
Viewing Angles: Horizontal 120.00 Vertical 120.00

Brightness (nits): 2000 Weight: 5.00

Power Average: 40 Power Max: 120

Screens Mapping Compositing

- Projectors
- Live Systems
- Barco
- Canon
- Casio
- Christie
- Digital Projection
- Epson
- Hitachi
- JVC
- LG
- NEC
- Norxe
- Optoma
- Sony
- Philips
- Benq
- Pearl
- Vivitek
- Acer
- Generic
- Panasonic**
- CoolLux
- Everest
- Favi
- Wolf Cinema



Projector

Warp Softedge Marker

Warp Settings

Screens Visible to Projector: car_export1

Screen Mapping is Active

FFD Modifier

Segments: X 1 Y 1 Z 1

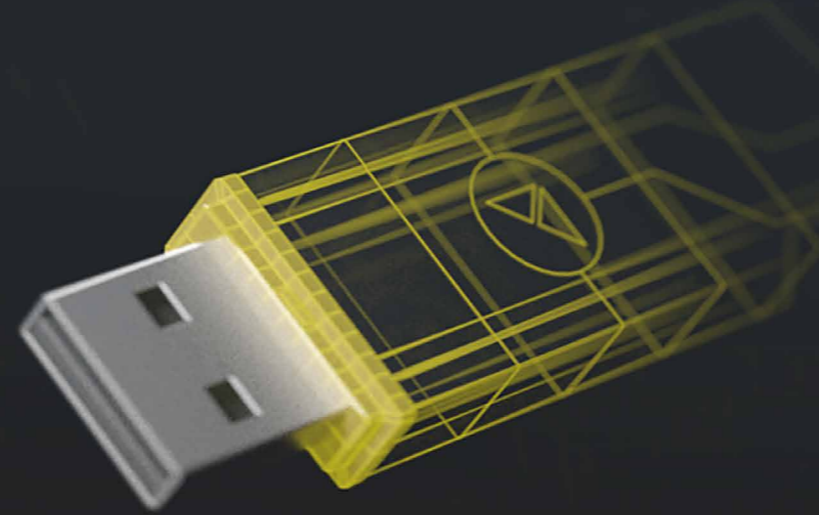
Name: PT RZ21K #1

Feed Mode: As Projected

Resolution: Horizontal 1920 Vertical 1200

Brightness Contrast

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, SOFTWARE ONLY

The PIXERA software is available in a variety of different licenses for compressed and/or uncompressed content.

Please contact AV Stumpfl for further details: pro-sales@AVstumpfl.com



DEMO VERSION

INSTALLATION GUIDE PIXERA DEMO VERSION:

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

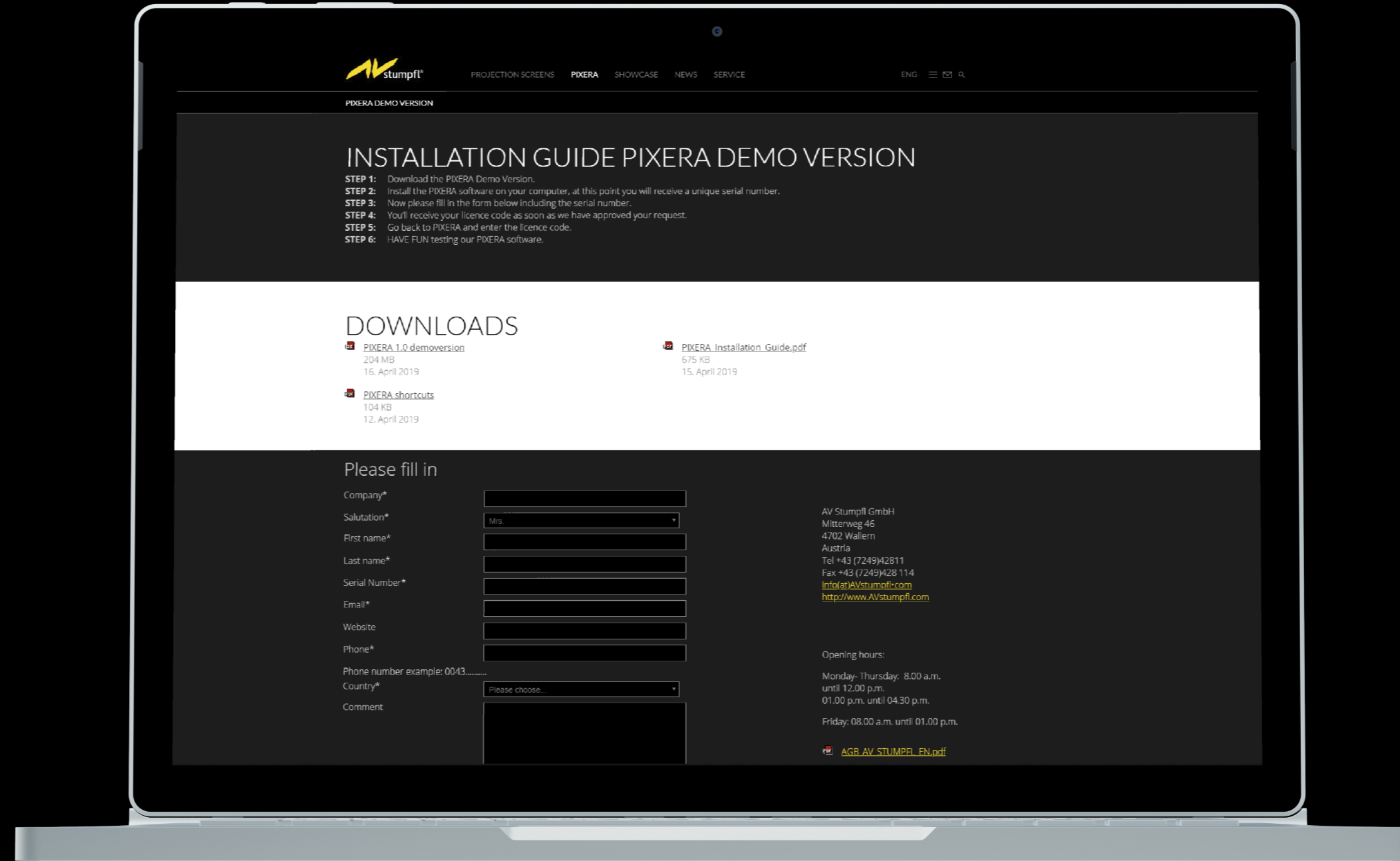
STEP 2: Install the PIXERA software on your computer, at this point you will receive a unique serial number.

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

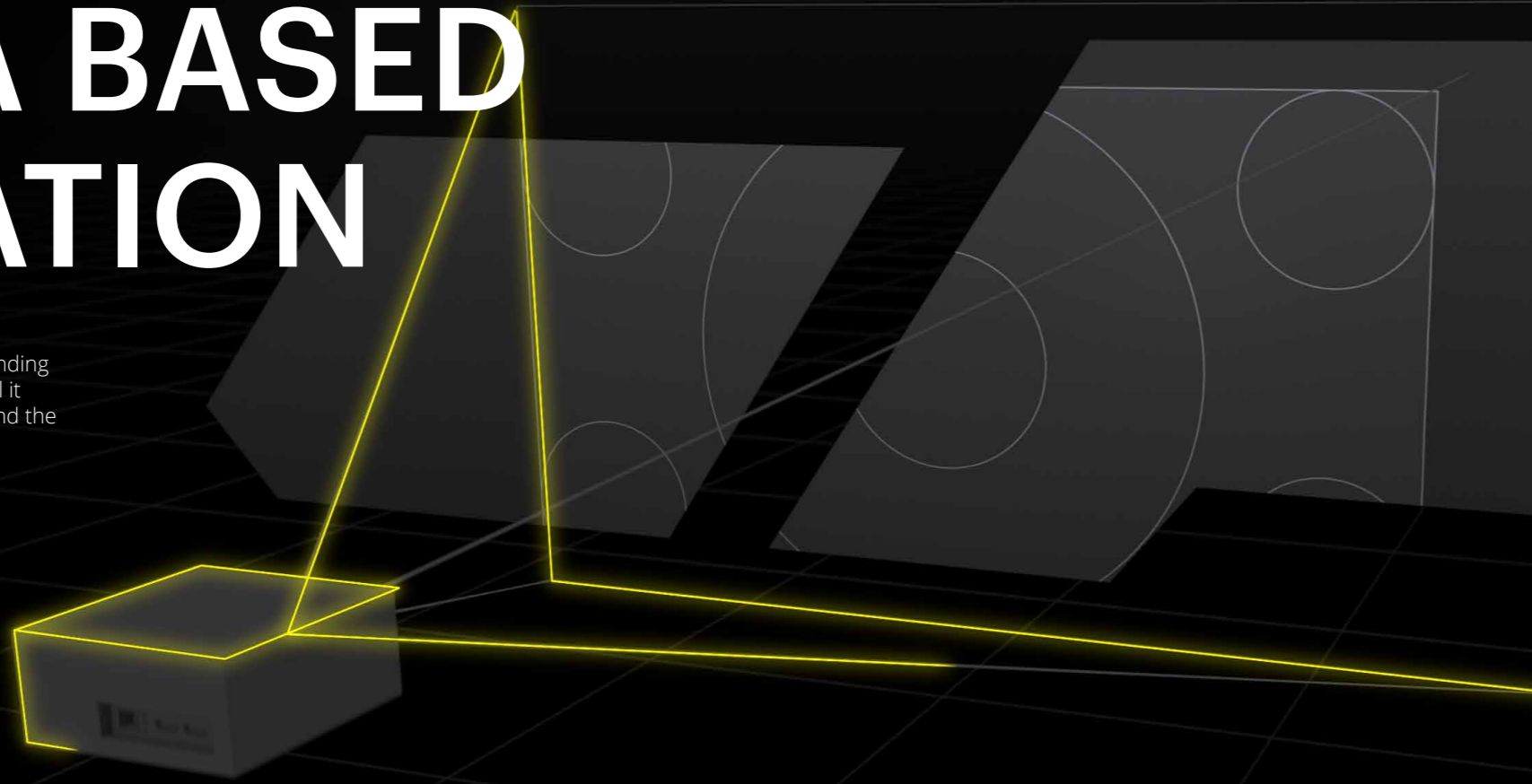


NEWSLETTER
AVstumpfl.com/newsletter

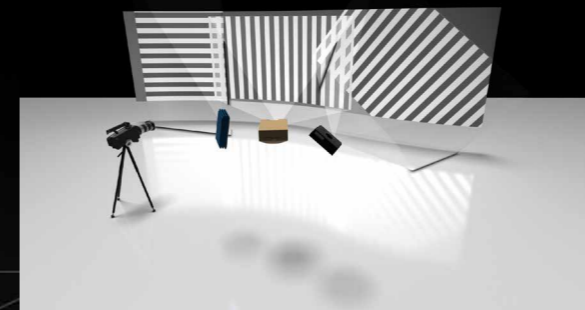
VIOSO®

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 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.

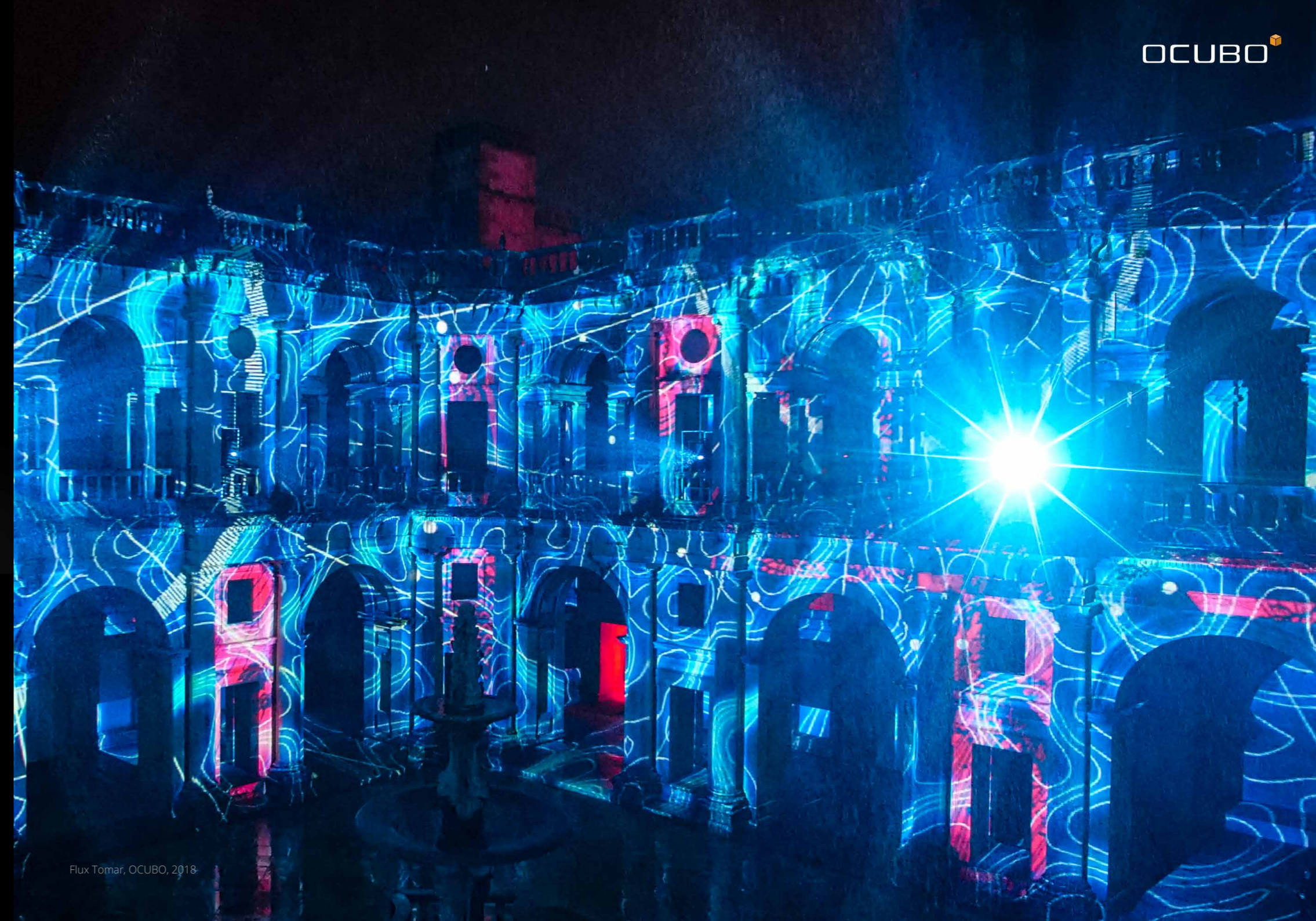
PIXERA one is available with 2 or 4 outputs.
AVstumpfl.com/PIXERAone



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**



Flux Tomar, OCUBO, 2018



Lisbon Under Stars, OCUBO, 2018

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 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





OCUBO®
lumina
 Festival da Luz

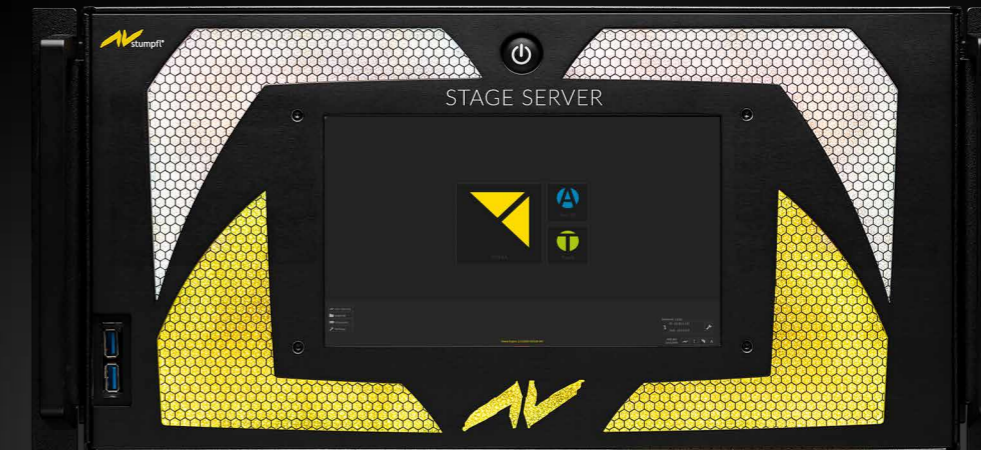
LUMINA Light Festival, OCUBO, 2018

STAGE SERVER

Versatile, Powerful and Robust

STAGE Server is a technologically advanced media server system featuring a solid hardware platform, automatic camera based softedge and warping calibration, as well as DVI/3G-SDI Live inputs and virtually no resolution and content limitations. Whether as part of live events, corporate presentations or themed installations, the wide ranging feature set combines hardware reliability with software flexibility.

AVstumpfl.com/stage



HIGHLIGHTS

- Shockproof, ultra robust housing
- Powerful processor (Xeon)
- ECC Memory (64GB)
- 4x DisplayPort 1.2 outputs (with options for additional ports)
- DVI + Display Port GUI
- Multiple SSD based hard drive options
- 6x symmetrical audio outputs, ADAT, AES and SPDIF
- USB 3.0 (3x at the back, 2x on front)

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



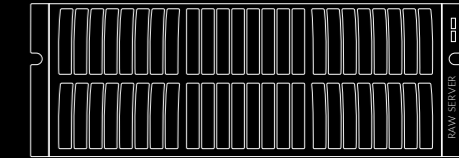
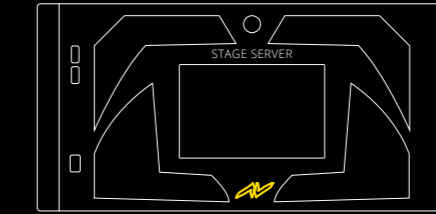
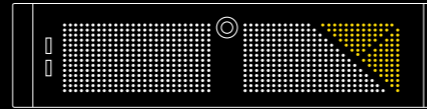
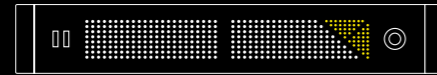
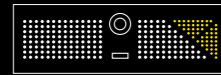
HIGHLIGHTS

- 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

TECHNICAL SPECIFICATIONS



Product	PIXERA mini	PIXERA one	PIXERA two	
Available models	PIXERA two Dual Quad	PIXERA one Dual Quad	PIXERA two Dual Quad	PIXERA two Octo
Physical				
Case Dimension (WxDxH)	215 x 230 x 44,4mm	447 x 441 x 44,4mm	445 x 468 x 88,9mm	445 x 468 x 88,9mm
Product Weight	PXM: 2,5kg PSU: 0,6kg	8,3kg	13,1kg	13,1kg
Hardware				
Server Grade Hardware Components	-	Yes	Yes	Yes
CPU Type	Intel Core i5	Intel Xeon SP	Intel Xeon SP	Intel Xeon SP
CPU # of Cores / # of Threads	6/6	8/8 (Optional: 10/20, 14/28)	8/8 (Optional: 10/20, 14/28, 18/36)	10/20 (Optional: 14/28, 18/36)
CPU Min/Max Frequency	2,8/2,8GHz	1,7/1,7GHz (Optional: 2,2/3,0GHz, 2,2/3,2GHz)	1,7/1,7GHz (Optional: 2,2/3,0GHz, 2,2/3,2GHz, 3,0/3,7GHz)	2,2/3,0GHz (Optional: 2,2/3,2GHz, 3,0/3,7GHz)
RAM	8GB	24GB (Optional: 32GB, 48GB)	24GB (Optional: 32GB, 48GB, 96GB)	32GB (Optional: 48GB, 96GB)
RAM Channels used	1	3 (Optional: 4, 6)	3 (Optional: 4, 6)	4 (Optional: 6)
ECC RAM	-	Yes	Yes	Yes
Touch Display	-	-	-	-
Power				
Power Supply	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Power Consumption Peak	tba	500W	800W	800W
Power Consumption Average (with High Load*)	tba	350W (Value higher with optional upgrades*)	450W (Value higher with optional upgrades*)	500W (Value higher with optional upgrades*)
Redundant Power Supply Hot-Plug	-	-	Yes	Yes
Operating System Storage				
Operating System Amount of Physical SSDs	-	1	1	1
Operating System Capacity (Net)	-	240GB	240GB	240GB
Operating System RAID Level	-	-	-	-

Product Type	STAGE	RAW
Available models	Quad	4K1 4K2 4K3 4K4
Physical		
Case Dimension (WxDxH)	434 x 720 x 222mm	446 x 715 x 178mm
Product Weight	34kg	25,4kg 27,4kg 29,4kg 31,4kg
Hardware		
Server Grade Hardware Components	Yes	Yes
CPU Type	Intel Xeon	Intel Xeon
CPU # of Cores/# of Threads	8/16	8/16
CPU Frequency	3,4GHz	3,4GHz
ECC RAM	Yes	Yes
RAM	64GB	64GB
RAM Channels used	4	4
Touch Display	8,9" with full GUI	-
Power		
Power Supply	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Power Consumption Peak	1000W	1000W
Power Consumption Average with High Load*)	410W	
Redundant Power Supply Hot-Plug	-	Yes
Operating System Storage		
Operating System Amount of Physical SSDs	1	2
Operating System Capacity (Net)	240 GB	480GB
Operating System RAID Level	-	RAID 1

Product specifications cont.	PIXERA mini	PIXERA one	PIXERA two Dual Quad	PIXERA two Octo
Data Storage SSD				
Data SSD Amount of Physical Drives	-	1	1	1
Data SSD Capacity (Net)	-	480GB (Optional: 960GB, 1,92TB, 3,84TB)	480GB (Optional: 960GB, 1,92TB, 3,84TB)	480GB (Optional: 960GB, 1,92TB, 3,84TB)
Data SSD RAID Level	-	-	-	-
Data SSD Max. Read Rate	-	500MB/s	500MB/s	500MB/s
Data Storage NVMe				
Data NVMe Capacity (Net)	Optional (1TB, 2TB)	Optional (1TB, 2TB, 4TB)	Optional (1TB, 2TB, 4TB)	Optional (1TB, 2TB, 4TB)
Uncompressed Content Playback	-	Optional	Optional	Optional
Operating System + Data Storage NVMe				
OS+Data NVMe Amount of Physical Drives	1	-	-	-
OS+Data SSD Capacity (Net)	500GB	-	-	-
OS+Data SSD RAID Level	-	-	-	-
OS+Data SSD Max. Read Rate	900MB/s	-	-	-
Video Outputs				
Licensed Video Outputs	2 4	1-2 3-4	1-2 3-4	5-8
Video Output Standard	mDP1.4	DP1.4	DP1.4	DP1.4
Video Output Resolution (Max.)	4096x2160 @60Hz	4096x2160 @60Hz	4096x2160 @60Hz	4096x2160 @60Hz
EDID Management	Yes	Yes	Yes	Yes
Genlock	-	Optional	Optional	Yes
Framelock	-	Optional	Optional	Yes
GUI Outputs				
GUI Outputs	-	Optional	Optional	Optional
Connection				
USB	1x USB2 Front, 4x USB3 Rear	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear
Network	2x 1Gbps	2x 10Gbps	2x 10Gbps	2x 10Gbps
IPMI	-	1x IPMI LAN	1x IPMI LAN	1x IPMI LAN
Video Inputs (Not all configs possible*)				
DVI/RGB/YUV	-	-	Optional	Optional
HDMI 2.0	-	Optional	Optional	Optional
3G-SDI	-	Optional	Optional	Optional

Product specifications cont.	STAGE	RAW
Data Storage SSD		
Data Storage Amount of Physical SSDs	2	8 - 32
Data Storage Capacity (Net)	1,9TB	1,92 - 7,68 TB
Data Storage RAID Level	RAID 0	RAID 10
Data Storage Max. Read Rate	1GB/s	1,8GB/s 3,6GB/s 5,4GB/s 7,2GB/s
Seamless Playback with Defective SSD	-	Yes
Uncompressed Content Playback	2x FHD60	1x 4K60 2x 4K60 3x 4K60 4x 4K60
Playback Duration Uncompressed Content (Single Stream)	92min (FHD60)	21min (4k60) 42min (4k60) 63min (4k60) 84min (4k60)
Operating System + Data Storage NVMe		
OS+Data NVMe AMount of Physical Drives	-	-
OS+Data SSD Capacity (Net)	-	-
OS+Data SSD RAID Level	-	-
OS+Data SSD Max. Read Rate	-	-
Video Outputs		
Licensed Video Outputs	4	4
Video Output Standard	DP1.2	DP1.2
Video Output Resolution (Max.)	4096x2160 @60Hz	4096x2160 @60Hz
EDID Management	Yes	Yes
Genlock	Yes	Yes
Framelock	Yes	Yes
GUI Outputs		
GUI Outputs	2	2
Connection		
USB	2x USB3.0 Front, 3x USB3.0 Back	2x USB2.0 Front, 6x USB3.0 Back
Network (Not all configs possible*)	2x Gbps	2x 10 Gbps
IPMI	1x IPMI LAN shared with 1xGbps LAN	1x IPMI LAN shared with 1xGbps LAN
Video Inputs (Not all configs possible*)		
DVI/RGB/YUV	2	Optional
HDMI 2.0	-	-
3G-SDI	2	Optional

Product specifications cont.	PIXERA mini	PIXERA one	PIXERA two Dual Quad	PIXERA two Octo
Audio Outputs (Not all configs possible*)				
Analog Unbalanced Out	Stereo (3,5mm TRS)	Stereo (3,5mm TRS)	Stereo (3,5mm TRS)	Stereo (3,5mm TRS)
Analog Balanced Out	-	Optional	Optional	Optional
SPDIF Out	-	Optional	Optional	Optional
AES/EBU	-	Optional	Optional	Optional
ADAT In/Out	-	Optional	Optional	Optional
MADI	-	-	Optional	Optional
MIDI	-	Optional	Optional	Optional
General				
Warranty	2 years (Optional: 3, 4, 5 years)	2 years (Optional: 3, 4, 5 years)	2 years (Optional: 3, 4, 5 years)	2 years (Optional: 3, 4, 5 years)
Software - OS				
Operating System	AV Stumpfl Media Server OS*	AV Stumpfl Media Server OS*	AV Stumpfl Media Server OS*	AV Stumpfl Media Server OS*
Software - PIXERA				
PIXERA Software License	PIXERA Server	PIXERA Server	PIXERA Server	PIXERA Server
Vioso Software License	Optional (Autocal, Autocal Plus)	Optional (Autocal, Autocal Plus)	Optional (Autocal, Autocal Plus)	Optional (Autocal, Autocal Plus)
Layers	Unlimited	Unlimited	Unlimited	Unlimited
Playout	Unlimited	Unlimited	Unlimited	Unlimited
Local Editing	Yes, Not recommended during playpack! (Via Video Outputs)	Yes (GUI Card recommended)	Yes (GUI Card recommended)	Yes (GUI Card recommended)
3D Visualisation	Yes, Not recommended during playpack! (Via Video Outputs)	Yes (GUI Card recommended)	Yes (GUI Card recommended)	Yes (GUI Card recommended)
Network Master / Manager	Yes	Yes	Yes	Yes
Rendering (Output, Visu)	Yes, Not recommended during playpack! (Via Video Outputs)	Yes (GUI Card recommended, planned 2019)	Yes (GUI Card recommended, planned 2019)	Yes (GUI Card recommended, planned 2019)
Avio Free License and Avio Manager	Yes	Yes	Yes	Yes

Product specifications cont.	STAGE	RAW
Audio (Not all configs possible*)		
Analog Unbalanced Out	Stereo-Phones (6,3mm TRS)	Stereo (3,5mm TRS)
Analog Balanced Out	6 (6,3mm TRS)	-
SPDIF Out	1 (RCA)	-
AES/EBU	1 (XLR)	-
ADAT In/Out	1 (Optical)	-
MADI	Optional	Optional
MIDI	Optional	Optional
General		
Warranty (Optional: 3, 4, 5 years)	2 years (Optional: 3, 4, 5 years)	2 years (Optional: 3, 4, 5 years)
Software		
Operating System	AV Stumpfl Media Server OS*	AV Stumpfl Media Server OS*
Software - Wings AV-Suite		
Wings Vioso Software	Wings Vioso RX Pro	Wings Vioso RX Pro
Vioso Camera Calibration	Vioso Pro (Any surface, Multi Client)	Vioso Pro (Any surface, Multi Client)
Video Layers	Unlimited	Unlimited
Image Layers	Unlimited	Unlimited
Audio Layers	Unlimited	Unlimited
Show Control Layers	Unlimited	Unlimited
Marker Layers	Unlimited	Unlimited
Group Layers	Unlimited	Unlimited
Performance Monitoring	Yes	Yes
Offline Preview	Yes	Yes
Avio Service	Avio Advanced	Avio Advanced
Avio Manager	Yes	Yes
Touch	Yes	Yes

FHD = 1920x1080, Uncompressed Datarate at 60fps = 375MB/s
UHD = 3840x2160, Uncompressed Datarate at 60fps = 1,5GB/s
4K = 4096x2160, Uncompressed Datarate at 60fps = 1,6GB/s

* Power Consumption Average with High Load = Tested with very high CPU, GPU and SSD load

* Heat Dissipation Average with High Load = Calculated with very high CPU, GPU and SSD workload

* Not all configs possible = Not all configurations of video input, network, audio cards are possible. Please ask.

* AV Stumpfl Media Server OS = Based on Windows embedded/IoT x64 PIXERA Server based on Windows 10 IoT

* Value higher with optional upgrades: depending on the selected options the value can be higher - please check manual for exact value

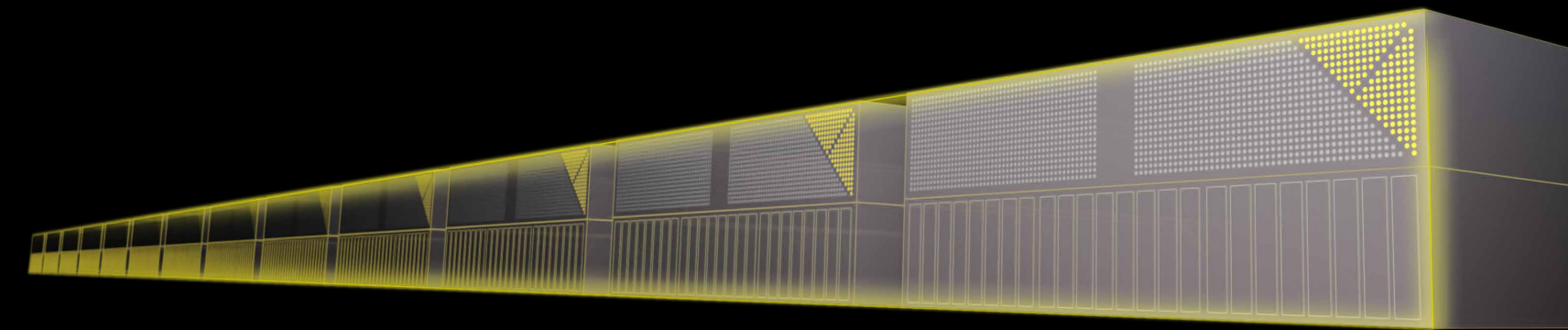
With every new media server, you get free software updates until Dec. 2020!

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





AV Stumpfl GmbH | Mitterweg 46 | 4702 Wallern | Austria

AVstumpfl@AVstumpfl.com | www.AVstumpfl.com

tel.: +43 (0) 7249 / 42811 | fax: +43 (0) 7249 / 42811-4

Edition InfoComm 2019. We reserve the right to make modifications in the interest of technical progress.