A POWERHOUSE OF PERFORMANCE

SERVER STAGE / STUDIO / STADIUM

arKaos | PRO

arKaos | PRO

A letter from ArKaos CEO and Software Architect, Marco Hinic

Welcome! At ArKaos, we have spent more than 20 years developing real-time visual processing technologies that integrate and synchronize video and music, visual shows and live performances.

Basically… we work, so you can play.

Our software and unique hardware media servers have earned a well-deserved reputation for unrivalled performance in speed, effects and manipulation of simultaneous high-definition videostreams. We continually work to develop a product portfolio which is based on operational simplicity and accessibility for users of all levels of ability – a philosophy which sets us apart from other media software manufacturers.

Our simplicity doesn't compromise performance.

All our products are united by the same ethos: the real-time manipulation of media with the best possible controller integration, blistering performance and rock solid stability and guaranteed support from our team.

Our innovations meet real time needs.

We continue to develop tools to keep ahead of technology, adding LED fixture control to our skills with the introduction of our Kling-Net protocol and LEDMaster, an all-in-one solution for the control of LED lighting, in three easy steps, that anyone can master.

We are proud of our contributions to the industry.

We were among the first to come up with cross-platform software that runs on everything from laptops to powerful servers, and have succeeded in educating the market with a totally new product that gives flexibility to all, from the independent light designer to rental companies.

We will never stand still.

We keep innovating with new developments and improving on existing products. But above all, we continue to keep our software affordable, intuitive and flexible.
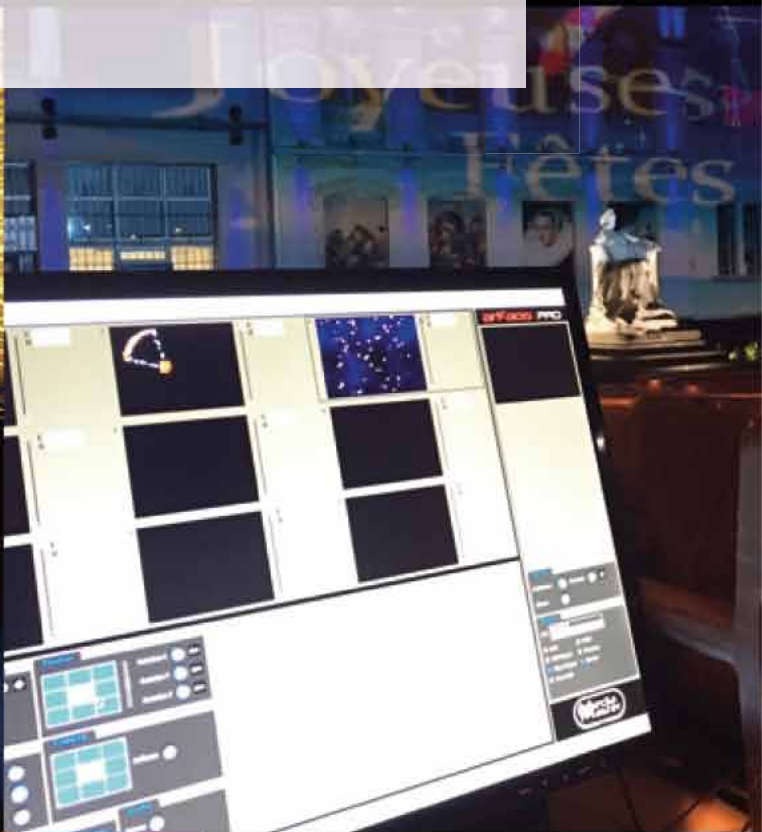
We look forward to working with you.

ArKaos PRO media servers and software products deliver blistering performance in speed, effects and manipulation of simultaneous high-definition video streams.

Arkaos Servers – Built to deliver

Arkaos Media Servers are designed to be a high performing turnkey solution for running seamless real-time video shows.

- Thoroughly tested in terms of performance, structural strength, and toleration of heat and vibration.
- Access to a vast library of high quality digital media from the world's best visual content providers.
- Equipped with a fast recovery system by Acronis allowing users to simply reset from the boot menu.
- Pre-configured to work directly with all market leading DMX lighting desks.
- Provided with full software.

ArKaos Software – Summon your creativity

MediaMaster is a software solution for professional control of real-time visuals and effects that has been specifically developed for light designers and operators.

- Independent video layers (8 in MediaMaster Express, 12 in MediaMaster PRO)
- Optimized for HD movies with HD output support
- User-friendly and accessible interface
- Minimal setup time
- More than 60 effects
- More than 50 text animations
- Multiple video inputs (PCI card, FireWire DV / HDV, USB, etc.)
- Cue Player (Theatre mode)
- Multi-Screen and Wide-Screen with Soft-Edge and Geometric Correction
- Support of all common media formats (AVI, MPEG, QuickTime MOV, Flash, WMV, Picture Files etc.)
- Windows and Mac OS X Compatible
- Video Mapper (In MediaMaster PRO)
- LED Mapper and Kling-Net
- MSEX compatible: thumbnail preview and live output on your MSEX compatible lighting desk (in MediaMaster PRO Fixture mode)
- Controlled through a computer keyboard, a MIDI controller or a DMX lighting desk
- Plug and Play simplicity – we put in the work so you just plug and play

What Our Clients Say…

"MediaMaster is rock stable; at this point we have done about 50 shows and it has never failed on us."

Koen De Puysseleir, LD – Tiesto Tour

Dynamic Research and Development

- In-House development team
- Worldwide feedback and Beta-testing
- U.S. patented technology

STADIUM SERVER

The Stadium Server is the most powerful and versatile of the ArKaos Media Server Product Line designed for Professional Lighting Designers

Plug and Play Simplicity

- Access to a vast library of high quality digital media from the world's best visual content providers
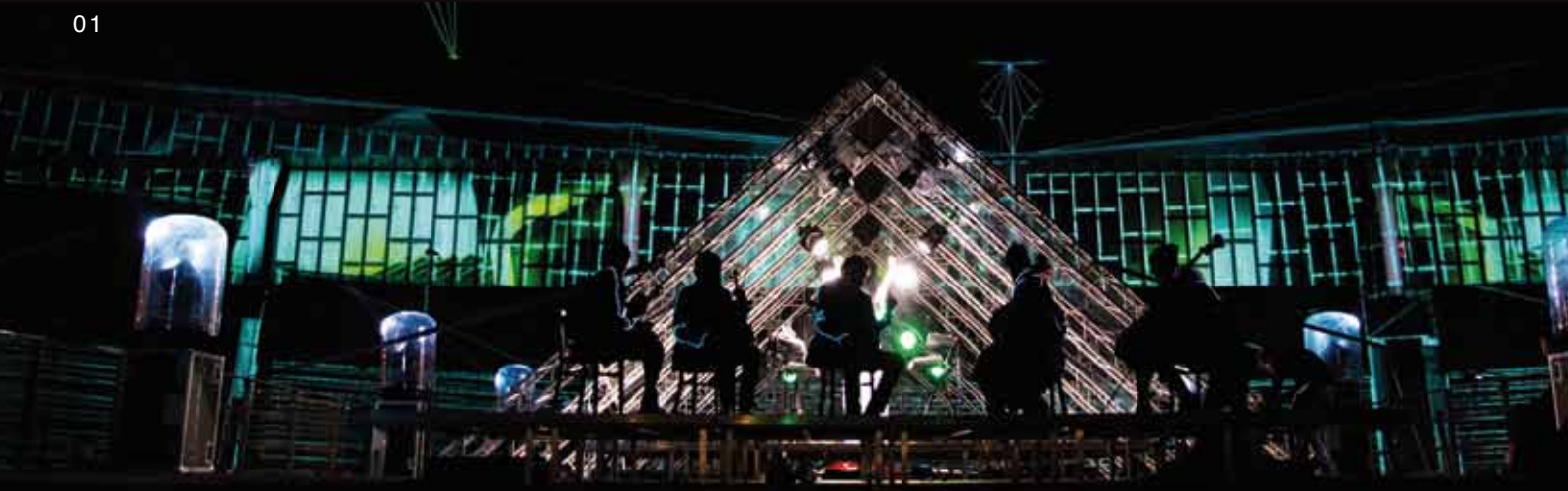
- Comes installed with MediaMaster Pro

Smart Design

- Full-option media server

- Runs full HD video on up to six EDID managed outputs

- Two HD-SDI inputs and fast SSD drives as standard

- Large LED strip for quick visual feedback on the server's state of operation at any time

- Front display allows use of server without the need of additional screens

- Fast recovery system by Acronis allows extremely simple reset from the boot menu

- Pre-configured to work directly with all market-leading DMX lighting desks

Blistering Performance

- Shock-resistant up to 2G

- Easy access to fans and filters

- Thoroughly tested in structural strength, and toleration of heat and vibration

- Totally road-ready

01

02

03

STADIUM SERVER

01:Charleroi, Smoke on the Water, Dirty Monitor, 2015. Photo: Leslie Artamonow
02:Collioure, ESL France, 2015
03:Channel 4 Television Studio, Paramympics, UK 2012
04:Showpower, China

04

STUDIO SERVER

The Studio Server is a powerful system designed for
Professional Lighting Designers

Plug and Play Simplicity

- Access to a vast library of high quality digital media from the world's best visual content providers

- Comes installed with MediaMaster Pro

Smart Design

- Runs full HD video on up to four EDID managed outputs

- One HD-SDI input and fast SSD drive

- Large LED strip for quick visual feedback on the server's state of operation at any time

- Front display allows use of server without the need of additional screens

- Fast recovery system by Acronis allows extremely simple reset from the boot menu

- Pre-configured to work directly with all market-leading DMX lighting desks

Blistering Performance

- Shock-resistant up to 2G

- Easy access to fans and filters

- Thoroughly tested in structural strength, and toleration of heat and vibration

01

02

03

04

05
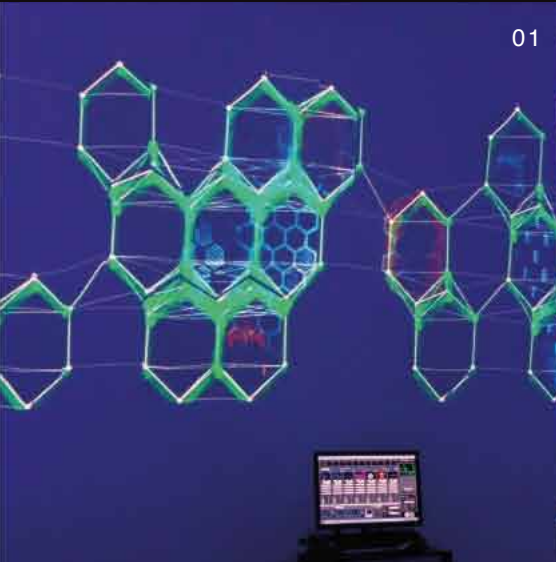
STUDIO SERVER

01:Arkaos Demo, UK 2015
02:Car Video Mapping,
   Prolight+Sound, Frankfurt, 2013
03:Big Brother, Australia
04:Kris Huberland, Pukkelpop, 2013

05:Pukkelpop, 2013
06:PSAV Video Mapping
07:Carcassonne,
   ESL France, 2016

06

07

STAGE SERVER

The Stage Server is a perfect solution
for live entertainment, theatre, educational,
audio-visual and worship applications.

Plug and Play Simplicity

- Access to a vast library of high quality digital media from the world's best visual content providers

- Comes installed with MediaMaster Express or MediaMaster Pro

- Quick and easy setup

- DMX or MIDI triggering

Smart Design

- Runs full HD video on two outputs

- Fast SSD drive as standard

- Fast recovery system by Acronis allows extremely simple reset from the boot menu

- Pre-configured to work directly with all market-leading DMX lighting desks

Blistering Performance

- Shock-resistant up to 2G

- Thoroughly tested in structural strength, and toleration of heat and vibration

- Compact design

- Scalability and creativity at an unbeatable price

STAGE SERVER

01:Tiesto at Stereosonic, LD Koen De Puysseleir. Photo: Dean Hammer.
02,03,05:Channel 4 Television Studio, Paralympics, UK 2012
04:Gouden Schoen 2014, Belgium. Design: Never Fear Shadows
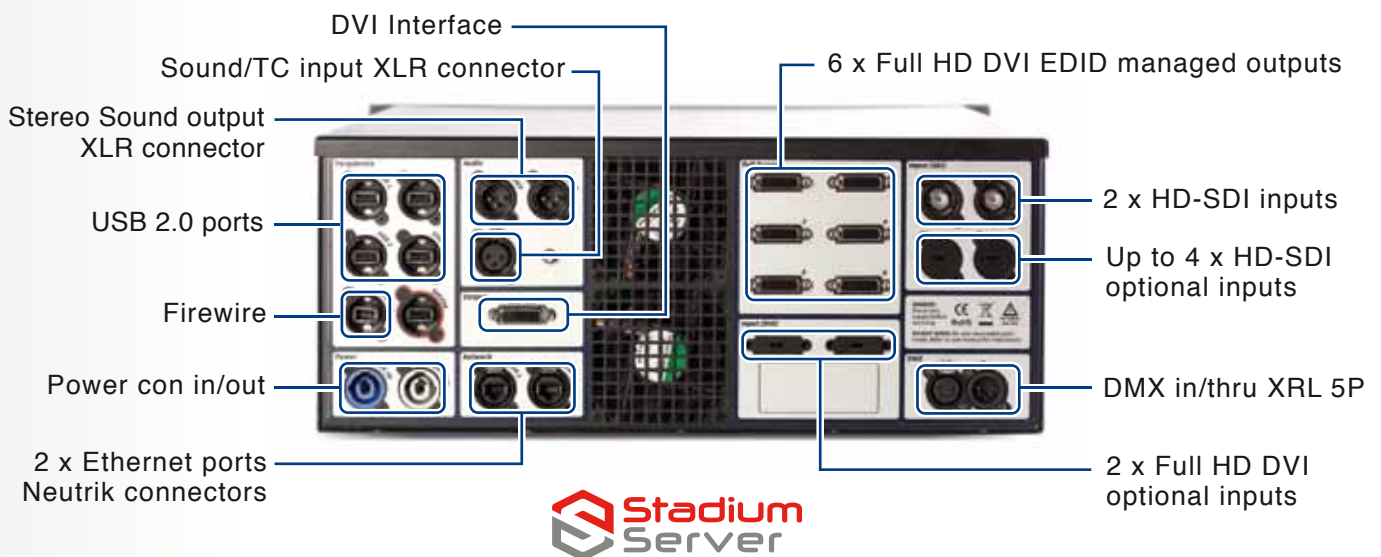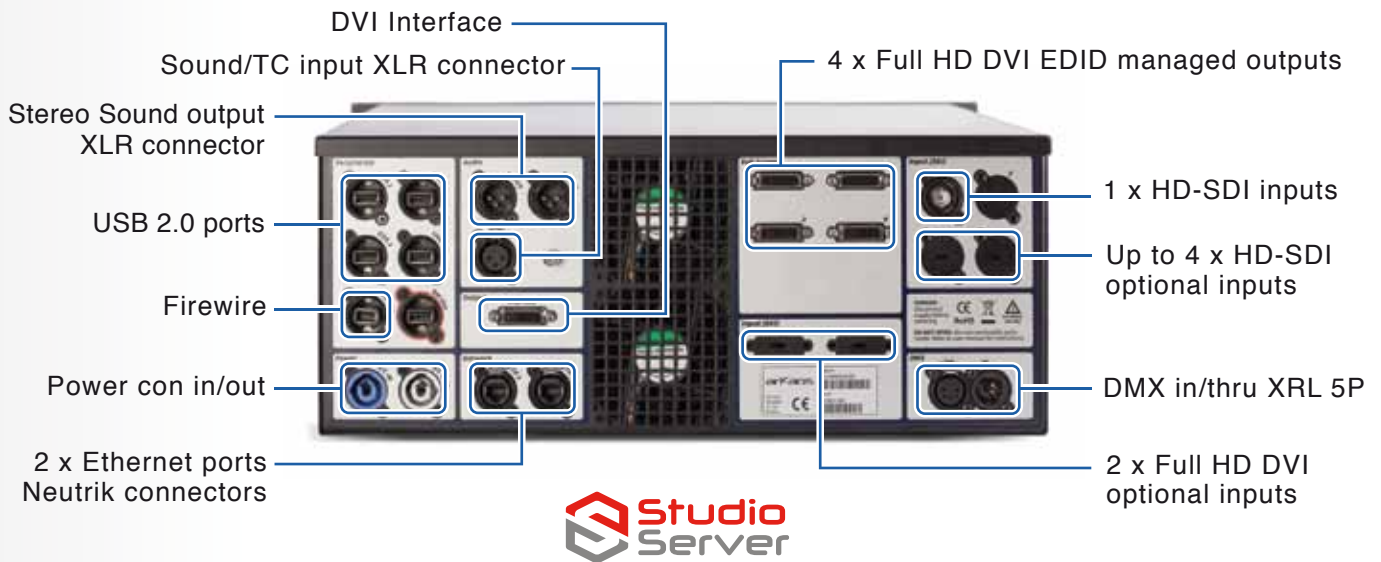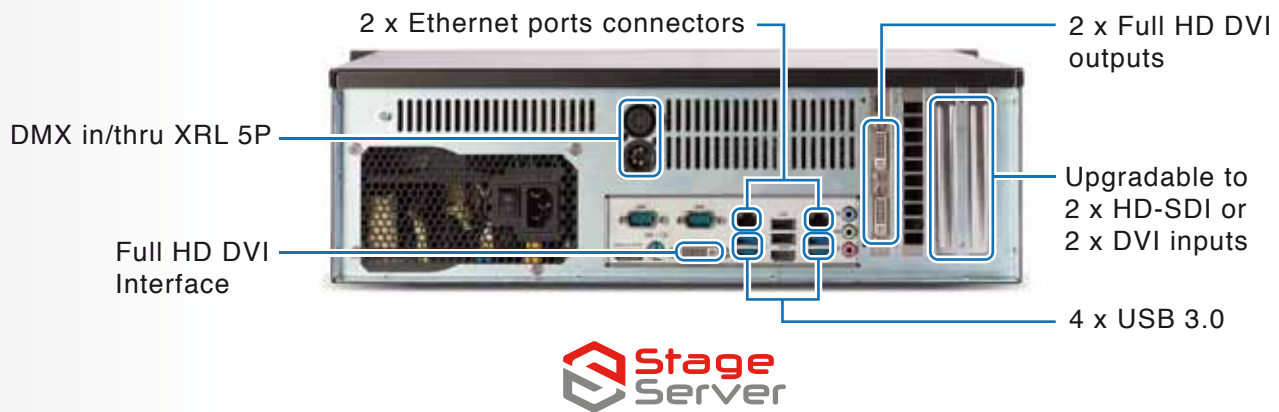 (Michiel Milbou / Kristof Devriese)
06:Noxx Nightclub, Antwerp, Belgium

Stage Server

- 2 x Ethernet ports connectors
- DMX in/thru XRL 5P
- Full HD DVI Interface
- 2 x Full HD DVI outputs
- Upgradable to 2 x HD-SDI or 2 x DVI inputs
- 4 x USB 3.0

Studio Server

- DVI Interface
- Sound/TC input XLR connector
- Stereo Sound output XLR connector
- USB 2.0 ports
- Firewire
- Power con in/out
- 2 x Ethernet ports Neutrik connectors
- 4 x Full HD DVI EDID managed outputs
- 1 x HD-SDI inputs
- Up to 4 x HD-SDI optional inputs
- DMX in/thru XRL 5P
- 2 x Full HD DVI optional inputs

Stadium Server

- DVI Interface
- Sound/TC input XLR connector
- Stereo Sound output XLR connector
- USB 2.0 ports
- Firewire
- Power con in/out
- 2 x Ethernet ports Neutrik connectors
- 6 x Full HD DVI EDID managed outputs
- 2 x HD-SDI inputs
- Up to 4 x HD-SDI optional inputs
- DMX in/thru XRL 5P
- 2 x Full HD DVI optional inputs

MEDIA SERVERS
Server Comparison Table

I/O SPECIFICATIONS	STAGE SERVER	STUDIO SERVER	STADIUM SERVER
Interface output	1 (DVI/DP) *	1 (DVI) *	1 (DVI) *
Output	2 (DVI) *	4 (DVI) **	6 (DVI) **
EDID Management	No	Yes	Yes
Input (Standard)	No	1 x HD-SDI	2 x HD-SDI
Input (Upgrade)	Up to 2 x HD-SDI or 2 x DVI	Up to 4 x HD-SDI & 2 x DVI	Up to 4 x HD-SDI & 2 x DVI
Output resolution	2 x Full HD	4 x Full HD	6 x Full HD
DMX- 5- pin connectors	Yes	Yes	Yes
Firewire 400/800/e-sata	No	Yes	Yes
USB	4 x USB 3.0 + 4 x USB 2	2 x USB 3.0 + 4 x USB 2	2 x USB 3.0 + 4 x USB 2
Balanced audio in/out (XLR)	No	Yes	Yes
Network	2	2	2
STORAGE			
System Drive	SSD 256 Gb	SSD 128 Gb	SSD 128 Gb
Separate Data Drive	No	SSD 256 Gb	SSD 480 Gb
SOFTWARE			
MediaMaster	Express / Pro	Pro	Pro
CuePlayer (in Theatre mode)	Yes	Yes	Yes
LED Mapper	Yes	Yes	Yes
Kling-Net Mapper	Yes	Yes	Yes
Video Mapper	Yes (Pro version only)	Yes	Yes
Acronis Backup System	Yes	Yes	Yes
Layers Full HD	3	Up to 12	Up to 12
Layers HD	5	12	12
Soft-Edge / Geometrical Correction	Yes (Pro version only)	Yes	Yes
CONTROL			
Control Display (front panel)	No	Yes	Yes
LED Strip (front panel)	No	Yes	Yes
DMX / MIDI / Keyboard	Yes	Yes	Yes
ArtNet / MA-Net	Yes	Yes	Yes
HARDWARE			
Voltage	107-240V auto switching	107-240V auto switching	107-240V auto switching
Professional Connectors	No	Yes	Yes

* Can be converted to VGA & HDMI, connectors not provided
** Can be converted to HDMI, connectors not provided

Stage Server

Power Button

2 x USB 2.0 Ports

Studio Server

TouchDisplay

2 x USB 2.0 Ports

LED Bar

Stadium Server

TouchDisplay

2 x USB 2.0 Ports
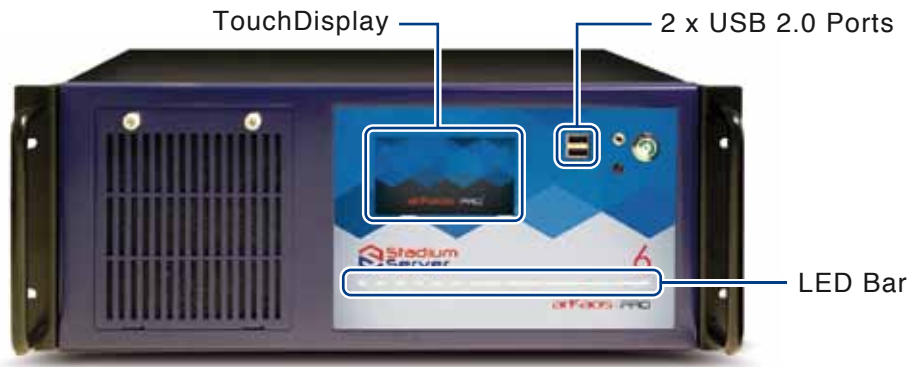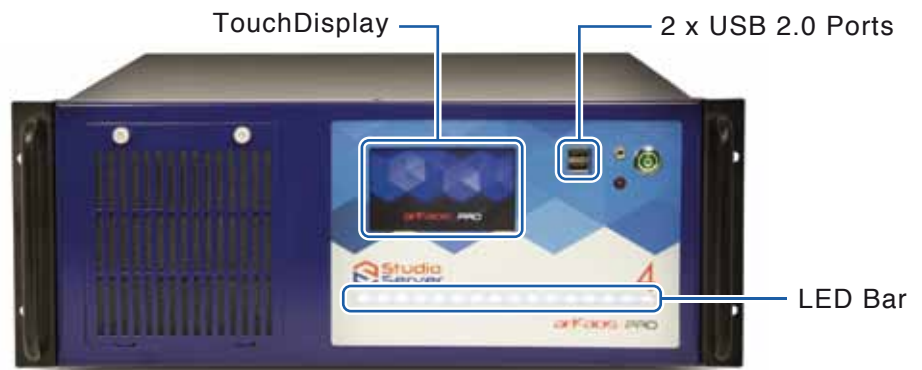
LED Bar

WITH THE TOUCH DISPLAY YOU CAN:

- Start MediaMaster
- Monitor GPU, CPU and Temperature
- Turn the LED bar on/off
- Monitor Outputs
- EDID management
- Set fan speed
- Monitor/configure network connections

EXTRA OPTIONS	STAGE SERVER	STUDIO SERVER	STADIUM SERVER
2 x HD SDI INPUTS	1	2	1
	or	and	and
1 x DVI INPUT	1	1	1
	or	or	or
2 x DVI INPUTS	1	1	1

DELIGHTING YOUR GUESTS, AND YOUR BUDGET

As lighting and video technology continue to advance, you want your investments to deliver a heightened experience that keeps guests coming back. With ArKaos, entry into the field of spectacular video elements couldn't get any easier. We offer a simple, affordable setup to control both your projection screens and your light shows. ArKaos media servers give you the 'wow' factor that will forever delight your guests, and your budget.

3D projections and video are now mainstays in bringing a stage show to life. Arkaos is here to enhance your ideas, allowing more interactivity with a production by triggering effects and video sequences exactly when the script-or actors-need it! There is no need for complex programming. The work has been done for you, so all you have to do is play.

ENHANCING THE MAGIC OF THEATRE

ROCK-SOLID RELIABILITY FOR CONCERT AND TOURS

When you need complete scalability, process control, and instant access via MIDI or DMX devices, to manipulate several layers and scales simultaneously live on stage, it's good to know you can rely on ArKaos innovation. With us, you have a promise of outstanding performance and rock-solid reliability.

Thanks to their ability to output in high resolution, ArKaos Media Servers are a favourite solution for TV shows and broadcasting companies. They provide an easy way to trigger video sequences and camera feeds, or apply live effects without rendering.

THE FAVOURITE SOLUTION FOR BROADCAST

AND MUCH, MUCH MORE...

ArKaos Media Servers are a very flexible solution, currently in use in a vast range churches, museums, bars, art installations, fashion shows, corporate events, video production companies, and much more. Large-scale, professional-level shows and projects have come to be the pillar ArKaos' worldwide client base, with lighting designers the world over turning to us for solutions.

"There are two kinds of light –
the glow that illuminates,
and the glare that obscures."

James Thurber

arKaos | PRO