

arKaos | PRO

QUALITY

PERFORMANCE

INNOVATION

arKaos | PRO

ArKaos Pro is a division of ArKaos - the leading provider of real-time visual processing technologies for live visual performances.

Founded in 1996, ArKaos has been a pioneer in interactive video, providing both software products and media servers that deliver an unrivalled performance in speed, effects and manipulation of simultaneous high-definition videostreams.

ArKaos Pro dedicates its time and expertise to the professional lighting market. We serve the large-scale, professional level show and lighting projects

HIGHEST PERFORMANCE



RELIABILITY



FRIENDLY TO USE



UNIQUE MARKET POINT

stage
Server

ark305 PRO



Studio
Server



Stage
Server

WHEN PERFORMANCE MATTERS

ArKaos built to deliver outstanding performance, stability and durability.

The ArKaos Media Servers are designed for those looking for a high performance turnkey solution to seamlessly run real-time video shows.

They are the result of the latest research made by ArKaos in terms of raw performance but also structural strength, vibration and heat tolerance.

These powerful systems embark a vast library of high quality digital media from the world's best visual content providers and a fast recovery system by Acronis which allows extremely simple reset of the server from the boot menu. They are pre-configured to work directly with all market leading DMX lighting desks.

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

EVERYTHING HAS BEEN DONE.

EASY AND FAST TO USE

- Intuitive Graphical user interface
- Minimal set up time
- Video solutions created for light designers and light operators

ALL SERVERS COME WITH FULL SOFTWARE

- Control over DMX with most lighting desks
- Tools for more advanced setups
- LED Mapping
- Video mapping
- Soft edge and geometrical correction
- Kling-Net mapping

MEDIA MASTER PRODUCT RANGE



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

MAIN FEATURES

- Independent video layers (8 in Express, 12 in Pro)
- Optimized for HD movies and HD output support
- Intuitive user interface
- 60+ effects and 50+ text animations
- Multiple video inputs (PCI card, FireWire DV / HDV, USB, etc.)
- Cue Player (in 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 XP, Vista, 7, 8 and Mac OSX compatible
- Video Mapper (PRO only), LED Mapper and Kling-Net Mapper included
- MSEX Compatible: thumbnails preview and live output on your MSEX compatible lighting desk (PRO only)

CONTROL INTERFACE

- Computer keyboard, any MIDI controller compatible with your system and any DMX lighting desk

“Working with Alpha Channels and the impressive audio-generated content that reacts exactly with the music is a real improvement to our show. The real-time effects give some very dynamic and exciting new ways to play back live cameras on the screens. But most importantly, 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

SO YOU JUST HAVE TO PLUG AND PLAY.

ARKAOS – RESEARCH AND DEVELOPMENT

- In-house development team
- Worldwide feedback and beta-testing
- Technology patented in US
- Privileged relation with ATI, NVIDIA, Apple...

FANATICAL TECHNICAL SUPPORT

“ArKaos Pro dedicate its time and expertise to the professional lighting market which has expanded exponentially for us in the last few years and now demands greater attention, energy and more dedicated support than ever before.”

Agnes Wojewoda Managing Director



Stadium
Server





STADIUM SERVER

One server - 6 outputs

This full-option media server runs Full HD video on up to six EDID managed outputs and comes standard with two HD-SDI inputs and fast SSD drives. This incredibly powerful system embarks a vast library of high quality digital media from the world's best visual content providers and a fast recovery system by Acronis which allows extremely simple reset of the server from the boot menu.

SMART DESIGN

The custom made case features a very convenient display on the front which allows using the server without having to connect any additional screen. On top of it, a large LED strip conveniently provides a quick visual feedback on the server's state of operation at any time. It is pre-configured to work directly with all market leading DMX lighting desks. Everything has been done so you just have to plug and play.

PERFORMANCE

Shock-resistant up to 2G. Heat tested. Providing easy access to fans and filters. It's totally road ready. The Stadium server is an incredibly powerful system designed as a top of the line solution for professional Lighting Designers

- 1 - Channel 4 Television Studio for the Paralympics, UK 2012
- 2 - Kids Choice Awards, Australia 2010
- 3 - Gouden Schoen 2014, award show Belgium / Design: Never Fear Shadows (Michiel Milbou/Kristof Devriese)
- 4 - Showpower, China





STUDIO SERVER

The Studio Server is a powerful system designed for professional Lighting Designers.

This full-option media server runs Full HD video on up to four EDID managed outputs and comes standard with one HD-SDI input and fast SSD drives. This incredibly powerful system embark a vast library of high quality digital media from the world's best visual content providers and a fast recovery system by Acronis which allows extremely simple reset of the server from the boot menu.

SMART DESIGN

The custom made case features a very convenient display on the front which allows using the server without having to connect any additional screen. On top of it, a large LED strip conveniently provides a quick visual feedback on the server's state of operation at any time. It is pre-configured to work directly with all market leading DMX lighting desks. Everything has been done so you just have to plug and play.

PERFORMANCE

Shock-resistant up to 2G. Heat tested. Providing easy access to fans and filters. It's totally road ready.

- 1 • The Killers, Battle Born Tour. LD: Stephen Douglas. Photo: Torey Mundkowsky
- 2 • Big Brother Australia
- 3 • PSAV Video Mapping
- 4 • David Garrett European Tour, 2012
- 5 • Car videp mapping, Prolight + Sound, Frankfurt 2013



Stage
Server





STAGE SERVER

The Stage Server is a perfect solution for live entertainment, theatre, educational, audio-visual and worship applications. The ideal combination of scalability and creativity at an unbeatable price.

The two Full HD outputs combined with the powerful ArKaos engine from MediaMaster Express will produce smooth visuals that can be easily triggered using a few DMX channels on your lighting desk or notes on a MIDI controller.

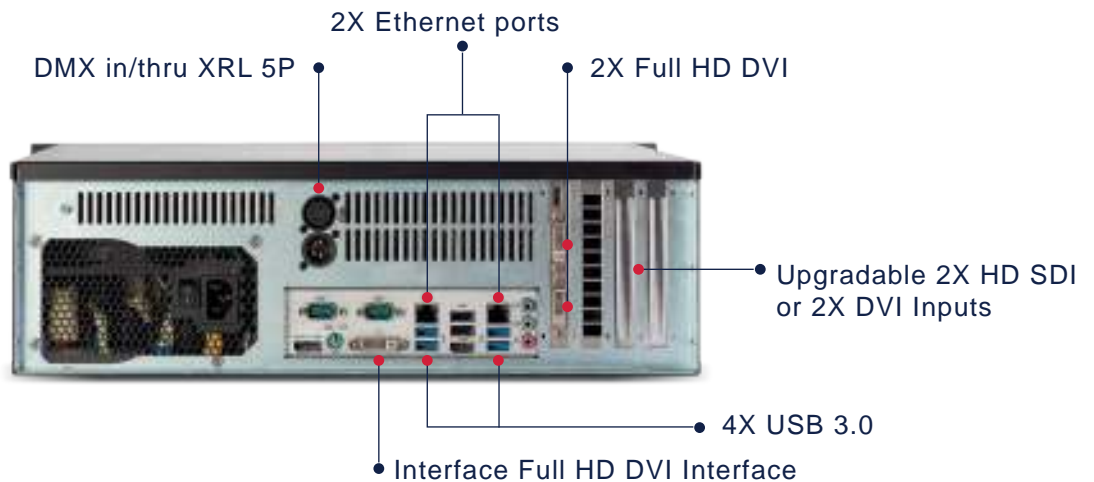
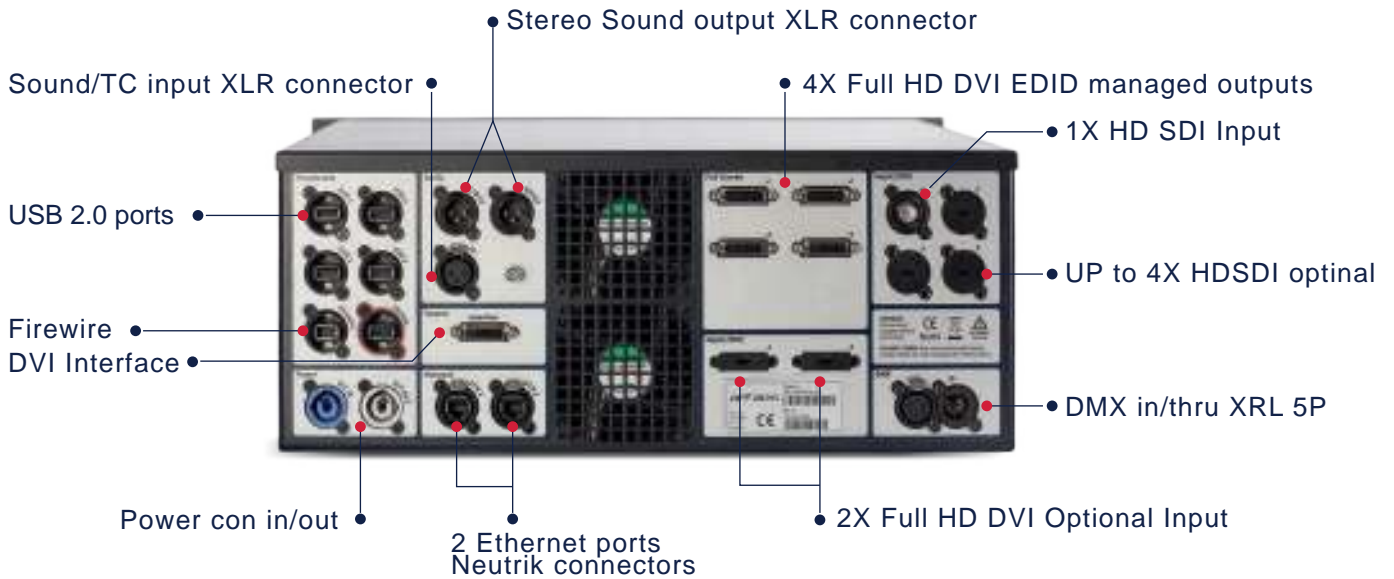
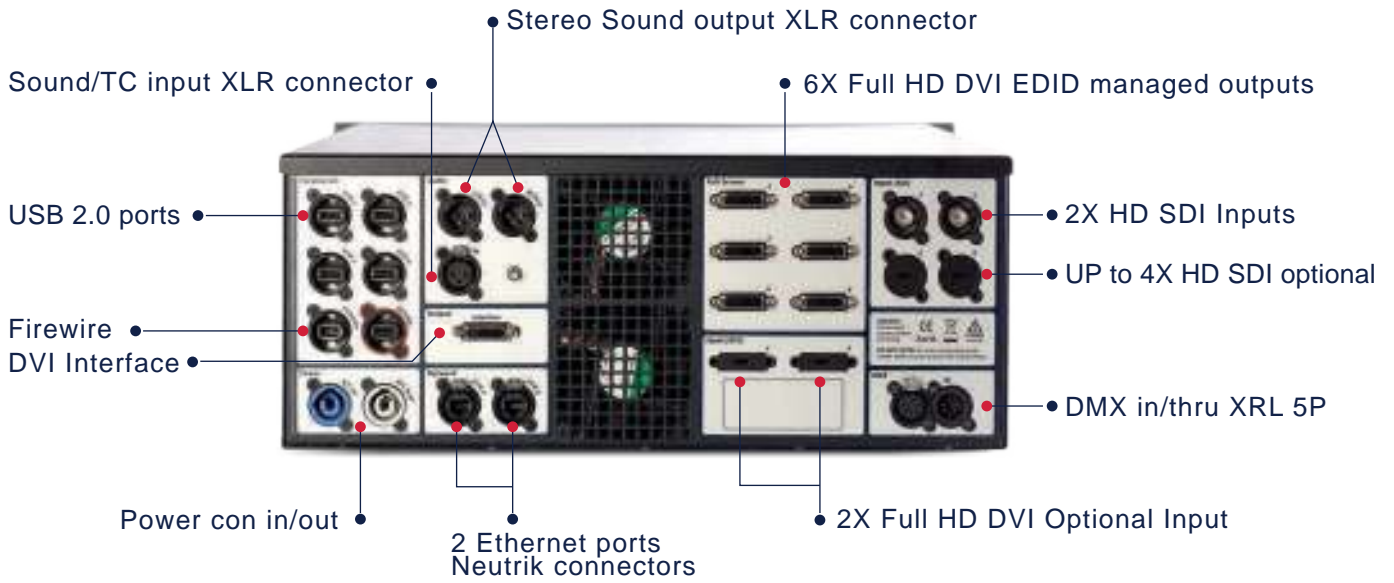
SMART DESIGN

The Stage Server comes shipped with a vast library of high quality digital media from the world's best visual content providers and a fast recovery system by Acronis which allows extremely simple reset of the server from the boot menu. It is pre-configured to work directly with all market leading DMX lighting desks. Everything has been done so you just have to plug and play.

PERFORMANCE

Engineered to ensure rugged reliability and designed for quick and easy set-up, the Stage server is the ideal combination of scalability and creativity at an unbeatable price.

- 1 • Tiesto at Stereosonic, LD:
Koen De Puyseleir, Photo: Dean Hammer
- 2 • Noxx Nightclub, Antwerp, Belgium
- 3 •
- 4 • Pukkelpop, Belgium 2013



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 2x 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	4x USB 3.0 + 4x USB 2	2x USB 3.0 + 4x USB 2	2x USB 3.0 + 4x 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



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
2X HD SDI INPUTS	1	2	1
	or	and	and
1X DVI INPUT	1	1	1
	or	or	or
2X DVI INPUTS	1	1	1

CLUBS

Lighting and video are increasingly important parts of a nightclub's entertainment package. Triggering ArKaos Media Servers visual effects from a DMX lighting console offers the ease of a simple and inexpensive setup to control both your projection screens and your light show.

THEATRE

Most theatre installations now include on scene video projection; the ArKaos Media Servers are the ideal solution to make it really interactive and trigger the desired video sequence or visual exactly when needed by the script or.. when the actors and the audience are ready.

CONCERT AND TOURS

When mixing video live on stage it's good to know that you can rely on a solution which gives you complete scalability, process control, and instant access via MIDI or DMX devices to manipulate several layers, and scales at the same time.

TV SHOWS

Thanks to their ability to output in high resolution, the ArKaos Media Servers are a solution of choice for TV Shows and broadcasting companies. It's an easy way to trigger video sequences and camera feeds or apply live effects without rendering.

OTHER

The ArKaos Media Servers are a very flexible solution, which can be used at a vast range of other venues such as Churches, Museums, Bars, Art Installations, Fashion Shows, Corporate Events, Video Production Companies, and much more... Also have a look at our Light Designers Interviews to learn how and why they use the ArKaos video technology for their shows!

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