

CHRISTIE®

Christie Pandoras Box

PANDORAS BOX SERVER R5



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The high-performance link between visual displays
and digital image compositing

Creative. Scalable. Reliable.

Christie® Pandoras Box® Server, the flagship of our Pandoras Box suite of hardware products, is a turnkey solution that unites state-of-the-art rendering technology with intuitive media and show control.

Featuring an incredibly powerful and versatile render-engine, this high-quality server allows for projection onto any shape or surface as well as high resolution displays at high frame rates.

With the newest generation, more performance and drive space meets the needs of extreme requirements for an ideal price-performance ratio.

Key features

- › Intel® Xeon® processor
- › 3 performance kits
- › SSD RAID system (up to 31TB)
- › 10G Ethernet
- › Selectable Nvidia RTX GPUs
- › Optional sync board
- › Up to 8 DisplayPort outputs
- › Optional input / output boards






Façade projection mapping
Image courtesy of d'strict



Christie Pandoras Box solutions help deliver a fantastic exploratory journey through time and space at the Shanghai Astronomy Museum.
Partners: Wincomn Technology, Zhongqing Yingye Group, Marvel Vision.



PERFECTLY UNITES STATE OF THE ART RENDERING TECHNOLOGY WITH INTUITIVE MEDIA AND SHOW CONTROL.

8K+ playback support

With high-resolution formats now standard for large-scale projection or massive LED walls, Pandoras Box supports 8K video playback and beyond. You can configure 4K resolutions and above for each individual, physical output.

Uncompressed quality

Maintain the integrity and quality of your content. With zero compression and no artifacts, delivering stunning visuals is lifted to another quality level. Pandoras Box supports up to 8K and above uncompressed video playback at 60fps for high resolution at its best quality. For high frame rate applications, uncompressed content can also be used with up to 240fps.

10bit color depth

Combine the power of artifact-free uncompressed content with the enlarged color space of 10 bit content and overcome color banding issues for a truly stunning and flawless color reproduction and overall image quality. As the traditional 16.7M colors are boosted up to over 1 billion, precise and perfect colors can be displayed. HDR becomes possible with Pandoras Box's 10 bit render engine and is available throughout Christie's entire product offering.

Output channels

Pandoras Box Servers provide a flexible output configuration with either 4 or 8 physical outputs. The Software License can be chosen accordingly to match the exact number of needed channels. Each output can be individually warped and blended and allows for mixed resolution setups.

All Servers feature professional Nvidia RTX GPUs. Intel Xeon processors provide highest speeds to boost the server performance.

Hardware Performance Kits	PK1	PK2	PK3
Hard drive RAID capacity	960GB SSD	7.5 TB SSD	31TB SSD
System memory	24GB RAM	48GB RAM	48GB RAM
Intel processor	XEON processor	XEON processor	XEON processor

All Servers feature SSD storage for content and operating system and use latest hardware components for maximum stability and performance. The system is designed to operate 24/7.

Video input options*



Single 3G/HD SDI

Supports all common 3G, HD & SD SDI formats.



Dual 3G/HD SDI

Supports all common 3G, HD & SD SDI formats.



Quad 3G/HD SDI

Supports all common 3G, HD & SD SDI formats.



12G HDMI

Supports all common 12G, 3G, HD & SD SDI formats along with HDMI / DP signals including 4K and 120fps.



Dual HDMI 2.0 / DP 1.2

Supports all HDMI / DP signals including 4K and 120fps. Available as Dual Input.



FLEX Gateway Card 4

Flexibly connect up to 4 HDMI, DP or SDI modules to equip your server according to your daily requirements. SDI boards can connect a single 12G signal or up to 4 3G-SDI streams.



Terra SDVoE fiber input

Supports Terra® / SDVoE video inputs. An HDMI output lets you monitor the incoming signal.

* Two Input-Boards can be configured per Server.

Audio



Single ADAT & Stereo XLR

1x ADAT I/O, 1x SPDIF I/O, 1x AES/EBU I/O,
balanced stereo analog output



Dante Soundcard 128x128ch

Provides 128x128 redundant Dante® input
and output channels.

Sync-Board for graphics cards




Output synchronization to enable multiple systems
to synchronize frame rendering across multiple
displays, plus synchronize one or many systems to
a common sync source.

GLOW Festival, Netherlands

Projection mapping managed by Christie
Pandoras Box media server





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