General Hardware Specification	Pandoras Box Server R4
Server grade hardware components, built for 24/7 use.	
Physical Dimensions, Server:	422mm x 177mm x 646mm (W x H x D without handles) 482mm x 177mm x 686mm (W x H x D with handles)
Weight	appx. 30 kg
Power Supply Voltage	100-240V AC, 15-7.5A, 47-63Hz
Power Supply Wattage	1200W
Front Panel LCD Display	YES
Mouse/Keyboard	YES/YES
Operating System	Windows 8.1
USB Ports	USB 3.0: 2 front + 6 back / USB2.0: 2 back
1GbE Ethernetports	2
10GbE Ethernet (dual)	OPTIONAL
Noise Emmissions	SPL: 37.9 dB(A) (average in 1m dist.) / SWL: 47.2 dB(A) (according to ISO 3744)

Hardware Configurations - Performance Kits	PK1	PK2	PK3	PK4	PK5
Intel Xeon Processors	2	2	2	2	2
M.2 SSD for Operating System	YES	YES	YES	YES	YES
Redundant Content Hard Drive Capacity	480GB	1,4TB	3,4TB	6,7TB	14,4TB
RAID-Level	RAID-1	RAID-5	RAID-5	RAID-5	RAID-5
Amount of Physical Hard Drives	2	4	8	8	16
System Memory	32GB	32GB	64GB	64GB	64GB

Graphics Card	Nvidia Quadro P4000
Displayport 1.2 outputs	4/8
Displayport to Single-Link DVI adapter	4/8
max. DP 1.2 Resolution	4096 × 2160 at 60 Hz (arbitrary resolutions and frame rates possible)

Video	
Render outputs	0, 1, 2, 4 or 8
Maximum number of video layers	UNLIMITED
Maximum number of graphics layers	UNLIMITED
Maximum number of particle systems	UNLIMITED
Maximum number of effects per layer	UNLIMITED
MPEG-2 Encoder	INCLUDED
Maximum Playback Resolution:	Playback up to 4K / 8K possible; performance depends on codecs, compression (where applicable), etc. Special image ratios with up to 16K or 32K resolution are possible with image sequences, depending on overal pixel measurements. If in doubt, please consult with the Pandoras Box support team.

Video Input Cards (optional) max. 2 per unit	
Single DVI	OPTIONAL
Dual DVI	OPTIONAL
Single 3G HD-SDI	OPTIONAL
Dual 3G HD-SDI	OPTIONAL
Quad 3G HD-SDI	OPTIONAL

ASIO Audio Card Card (optional)	
8ch ADAT output	OPTIONAL
32ch ADAT output	OPTIONAL
64ch MADI output	OPTIONAL

Accessories	
Dual 10 GbE Ethernet card	OPTIONAL
DMX Link In	OPTIONAL
DMX Link Out	OPTIONAL
SMPTE Link	OPTIONAL
NET Link (I/O LINKS)	OPTIONAL
Widget Designer (for interactive and sensor based applications)	OPTIONAL
Pandoras Box Manager (CMS and Master Control Software)	OPTIONAL

Key Features	Pandoras Box V6 Software
Realtime 3D Rendering	YES
Advanced 3D Projection Mapping	YES
Softedge	YES
Keystone	YES
Integrated Warp Functionality (editable mesh)	YES
Synchronized Video and Audio Playback across multiple machines	YES
Genlock / Framelock	OPTIONAL
Advanced EDID Management	YES
Aeon Effects Engine (realtime dynamic shader effects engine)	YES
FireFly Particle System (Realtime 3D Particle System)	YES
Playlist	YES
Art-Net based video pixels to DMX channel mapping	YES
Web Server	YES
Web Browser	YES
Multiscreen-Playback	YES
S3D Stereoscopy/ Active 3D/ passive 3D/ Side by Side 3D	YES
FluidFrame (A frame blending algorithm that allows smooth cross conversion and can take any input and output frame rate)	YES
StreamiX	32
Media Encryption	Decryption
Base Parameter	
XYZ, scale, rotation, position, pivot	YES
Sequences in Master Mode	UNLIMITED
Network Control	YES
Recording (MPEG-2, frame accurate)	YES
Embedded Encoder	YES
Media Format (recommended): Please keep in mind that different types of content will work better with different types of codecs.	AVI uncompressed, BMP Image Sequences, DDS Image Sequences, DDSA Image Sequences, YCoCg Image Sequences, HAP, HAP Alpha, HAP Q, 4K MXL, MPEG-2, MPEG-1
Audio	
ASIO Audio control	YES
ASIO Audio card	OPTIONAL
Number of ASIO Tracks in Software	UNLIMITED
Volume Control/Panning	YES
Synchronized playback on multiple machines.	YES
Technical Show Control Details	
Master/Client Ability (Master or Client)	YES
Synchronized Multiscreen Playback	YES
Video Engine	Full 3D Render Engine
Global video effects on output	YES
Remote Control (via Pandoras Box Manager)	YES
Sequences in Master Mode	UNLIMITED
Sequence Control via SMPTE (SMPTE Master or Slave)	YES
Sequence Control via Art-Net	YES
Control via Art-Net	YES
Control via MA Net, input only	YES
Control via SACN	YES
MIDI Show Control, input only	YES
Control via RS-232/RS-422 send/receive (via Widget Designer / Spark)	YES
Thumbnail Exchange via CITP 1.0	YES
Programming of DMX Devices (via Art-Net or optional DMX-Link In/Out device)	YES
Warper for 3D mapping (external and internal)	YES
Video Out via Matrix (Art-Net, parallel to DVI output)	YES
3D Objects on layers	YES
Supported 3D object formats	.3ds, .fbx, .obj, .x
Softedge on outputs (left/right/top/bottom or via media)	YES
Keystone on outputs, 16Bit, left/right/top/bottom(linearity)	YES