

GENERAL HARDWARE SPECIFICATION	QUAD
Physical Dimensions, Workstation: 428 x 178 x 596mm (W x H x D without handles) 482 x 178 x 649mm (W x H x D with handles)	
Physical Dimensions, DVI-Processor (in case of QUAD Player): 482 x 44 x 140mm (W x H x D)	
Weight: appx. 30 kg	
Case: 4 or 6 U 19" Rackmount (optional) Server grade hardware components, built for 24/7 use.	optional
Hard Drive Capacity (redundant memory space/RAID): Please note that the Pandoras Box installer file itself will require appx. 90GB of your available disk space.	HDD Option: 500 GB/1, SSD Option: 240 GB
Power Supply Voltage: 100-240 V Power Supply Wattage: 650 W	
Operating System: Windows 8.1	
Mouse/Keyboard (German or English):	
USB Ports (one USB Port needed for DVI-Processor)	2+8
OUTPUTS	
1xDVI-D, 1xDVI/VGA; the QUAD has 4x DVI-D	4
2x HD-SDI Outputs (parallel to 2x DVI outputs)	YES
HD PLAYBACK (720p)	8
Art-Net	YES
VIDEO	
Maximum Playback Resolution:	4080x2160@30p as MXL 1 1920x1080@30/25p: 4 1280x720@30/25p: 8 SD PAL/NTSC Clips: 8
Maximum Output Resolution:	2048 x 1080
Maximum number of video layers:	8
Maximum number of graphics layers:	Unlimited
Maximum number of effects:	4
Base Parameter: Scale, rotation, position, pivot	XY
Sequences:	1
Media Format (recommended): MPEG-1, MPEG2, AVI, WMV, Quicktime*, 4K MXL, DDS (SSD strongly recommended), JPEG, JPEG2000, BMP, TGA, PNG, WAV, MP3, MPEG4, QT, H.264, JPEG2000 *(referring to all codecs included in Windows)	MPEG2
AUDIO	
Volume Control/Panning	YES
ASIO Audio	YES
Number of Tracks	8
Output depending on ASIO sound card.	
Synchronized playback on multiple machines.	YES
KEY FEATURES	
Realtime 2D Rendering	YES
Advanced 3D Projection Mapping	YES
Softedge	YES
Keystone	YES
Synchronized Video and Audio Playback on multiple machines.	YES
Genlock	OPTIONAL
Advanced EDID Management (QUAD Player only)	YES
Aeon Effects Engine	YES
A realtime dynamic shader effects engine.	2D
Playlist	YES
Art-Net based video pixels to DMX channel mapping.	YES
Web Server	YES
Web Browser	YES
Multiscreen-Playback	YES
Streamix	8
Media Encryption	Decryption
EMBEDDED CONTENT TOOLS	
Warper: Using the Warper it is easy to apply textures to complex curved and shaped screens. With this tool it is possible to project onto regular 3D surfaces like a dome or sphere and realize amazing 360° projections. The Warper is an indispensable and advanced tool when it comes to cutting edge projection	2D
Dome Master: The Dome Master is a spherical map converter that allows the conversion of dome master files into spherical map files.	YES
Splitter: The Splitter is an extremely useful tool for splitting image sequences into multiple parts, that can then be distributed as a large master file over multiple servers. Perfect for panoramic projections and/or dome projections.	YES
Matrix Patcher: The Matrix Patcher is an important tool for special applications where LED or lighting fixtures are required to be patched to individual pixels.	YES
Image Converter: The Image Converter makes high performance image batch conversions possible and can turn image sequences into video files. Synchronized playback on multiple machines.	YES
TECHNICAL SHOW CONTROL DETAILS	
Master/Client Ability (Master or client)	YES
Synchronized Multiscreen Playback	YES
Video Engine: Full 2D Render Engine	YES
Global video effects on output	YES
Realtime rendering	YES
Remote Control (via PB Manager)	YES
Sequences in Master Mode	1
Sequence Control via SMPTE (SMPTE Master or Slave)	YES
Sequence Control via Art-Net	YES
Layer/Camera Control via Art-Net (Patchable)	YES
Control via RS232/422 send/receive (WD/Spark)	YES
Control via MA Net, input only	YES
Control via SACN	YES
MIDI Show Control, input only	YES
Thumbnail Exchange via CIP 1.0	YES
Programming of DMX Devices (via Art-Net or optional DMX-Link In-Out device)	YES
Warper for 3D Keystone	YES