

EMACHINES

MEDIASERVER

YOUR VISION-OUR SOLUTION

FLEXIBLE AND INDEPENDENT

We understand the importance of flexibility in today's media industry. Our turnkey media server solutions offer you newfound independence creating any scenario in a simple and uncomplicated way. While you may need our servers for dynamic projection mapping today, you can use them for uncompressed video playback on multiple displays or LED walls tomorrow. Our solutions allow flexibility in your everyday project work and prepare you for any task ahead, regardless of which media server software you use.

Vertex

Pandoras
Box

Pixera

Watchout

Ventuz

Unreal
Engine

Resolume


Unity

etc.

Madrix







Data-
Visualization

Live Shows

Television
Broadcast

Projection-
Mapping

Corporate Events
Trade Shows

Tours
Concerts

Museums
Exhibitions

Real-Time
Interactive

Theme Parks

Stage
Theater, Musical

RELIABILITY AND PERFORMANCE

XI-MACHINES defines its solutions through reliability, minimum noise emission, and maximum performance; this is why uncompressed video playback in 4K and 8K resolution is already a standard feature of our media servers today. Even under the most demanding workloads and in extreme environments, our media servers have proven that stable continuous operation and maximum performance combined are the rule, not the exception.

Our media servers are used around the globe in numerous prestigious projects to create the most stunning experiences. From media playback on international cruise ships sailing the high seas to incredible outdoor productions in the sandy deserts of Dubai. They are used on ever-changing stages of the world or in hectic everyday tour life and are present in interactive applications in critical live broadcasting or fixed installations.

NO COMPROMISE

To ensure maximum performance and stability in continuous operation, we select the components we use with great care; this is why we only use handpicked enterprise-class components for our media servers. To make sure only the best components are chosen, our IT specialists run extensive shootout tests before they are qualified for the use in our products.

Every single media server produced by XI-MACHINES is assembled, installed, and optimized by qualified IT technicians in our in-house production in Hamburg, Germany. Before it leaves the premises, each media server has to pass comprehensive system stability tests and final quality control. Only then it will be handed to our logistics department, be securely packed, and shipped to its final destination anywhere in the world.

INDUSTRY RELATED AND COMPETENT

Each system is carefully validated by our product managers for future use with all major media server applications. To make this possible, we maintain close relationships with users, developers, and manufacturers within the industry. This continuous exchange, as well as our own experience in the professional project business, help us to do so. Therefore, we not only assist in the decision-making during the project planning phase but also help with our experienced technical support, should something go wrong with your installation.





MEDIASERVER 1U



MEDIASERVER 1U

compact media-playout-system – ideal for fixed installations

- ultra-compact form factor – only 33 cm/13“ installation depth
- 4 display outputs with up to 4K/60Hz
- 4K uncompressed playback with 60fps
- supports multisystem-cluster – framelock, genlock
- integrated remote management module – access to hardware functions (on, off, restart, sensors, etc.)

MEDIASERVER 1U CONTROL

compact control and remote management system

- ultra-compact form factor – only 33 cm/13“ installation depth
- setup and control of all relevant functions of an installation
- centralized maintenance access to remote management modules of all media servers of an installation
- integrated remote management module – access to hardware functions (on, off, restart, sensors, etc.)

MEDIASERVER M2



MEDIASERVER M2 PLAYER

powerful media-playout-system – ideal for more demanding and complex projects

- compact form factor – only 46 cm/18.11“ installation depth
- 4 to 8 display outputs with up to 4K/60Hz
- 4K-/8K uncompressed playback with 60fps
- supports multisystem-cluster – framelock, genlock
- comprehensive expansion options
- redundant industrial power supply incl. error monitoring
- integrated remote management module – access to hardware functions (on, off, restart, sensors, etc.)

MEDIASERVER M2 MANAGER

professional media-management-system – ideal for managing larger installations with multiple Players

- compact form factor – only 46 cm/18.11“ installation depth
- centralized show-management
- fail-safe, centralized data storage for content (capacity up to 54TB)
- comprehensive I/O features
- redundant industrial power supply incl. error monitoring
- integrated remote management module – access to hardware functions (on, off, restart, sensors, etc.)



Product	Mediaserver 1U	
Model	Mediaserver 1U	Mediaserver 1U control
Video Outputs		
Number of Outputs	4	-
Output Type	DisplayPort 1.4	-
Max. Resolution (Dimension / Frame Rate)	4,096 x 2,160 @60Hz	-
EDID Management	yes	-
Synchronization (Framelock, Genlock)	optional	-
Control Outputs (GUI)		
Control Monitor Output	HDMI, DisplayPort, DVI	
Playback Performance		
BMP Image Sequence 7680x4320 60fps uncompressed	-	-
BMP Image Sequence 3840x2160 60fps uncompressed	2	-
DDS Image Sequence 3840x2160 60fps	9	-
HAP-Q Video 3840x2160 60fps	3	-
Software		
Validated for	Pandoras Box, Vertex, Watchout, Pixera, Madrix, Resolume, Unity, Unreal Engine, Ventuz	
Media Server Software Licenses	optional	optional
Operating System	Windows 10 Professional (optimized according to application)	
Storage		
Storage (Operating System)	480 GB	256 GB
Storage (Content)	960 GB (up to 3,500 MB/s read)	-
Storage Expansion Option Standard	1.92 TB (up to 3,500 MB/s read)	-
Storage Expansion Option High-Speed	-	-
Storage Expansion Option High-Capacity	-	-
Video Input		
Input Expansion Option SDI	-	-
Input Expansion Option HDMI	-	-
Input Expansion Option DisplayPort	-	-
Input Expansion Option SDI+HDMI	-	-

Product	Mediaserver M2 (4U)	
Model	Mediaserver M2 Player	Mediaserver M2 Manager
Video Outputs		
Number of Outputs	4, 8 (optional)	-
Output Type	DisplayPort 1.4	-
Max. Resolution (Dimension / Frame Rate)	4,096 x 2,160 @60Hz	-
EDID Management	yes	-
Synchronization (Framelock, Genlock)	optional	-
Control Outputs (GUI)		
Control Monitor Output	optional	3x Mini DisplayPort
Playback Performance		
BMP Image Sequence 7680x4320 60fps uncompressed	1	-
BMP Image Sequence 3840x2160 60fps uncompressed	4	2
DDS Image Sequence 3840x2160 60fps	16+	9
HAP-Q Video 3840x2160 60fps	10	5
Software		
Validated for	Pandoras Box, Vertex, Watchout, Pixera, Madrix, Resolume, Unity, Unreal Engine, Ventuz	
Media Server Software Licenses	optional	optional
Operating System	Windows 10 Professional (optimized according to application)	
Storage		
Storage (Operating System)	256 GB	256 GB
Storage (Content)	3.2 TB (up to 6,400 MB/s read)	13.44 TB (up to 3,500 MB/s read)
Storage Expansion Option Standard	-	-
Storage Expansion Option High-Speed	6.4 TB (up to 6,400 MB/s read)	3.2 / 6.4 TB (up to 6,400 MB/s read)
Storage Expansion Option High-Capacity	13.44 TB - 53.76 TB (up to 3,500 MB/s read)	26.88 TB / 53.76 TB (up to 3,500 MB/s read)
Video Input		
Input Expansion Option SDI	1, 2, 4	-
Input Expansion Option HDMI	2	-
Input Expansion Option DisplayPort	2	-
Input Expansion Option SDI+HDMI	4 / 1	-

Product	Mediaserver 1U	
Model	Mediaserver 1U	Mediaserver 1U control
Audio Interface		
Analog In / Out (unbalanced)	3.5 mm TRS	3.5 mm TRS
S/PDIF Output	-	-
Audio Expansion Option Stereo	-	-
Audio Expansion Option AES/EBU	-	-
Audio Expansion Option MADI	-	-
Audio Expansion Option DANTE	-	-
Hardware		
Optimized for 24/7 operation	yes	yes
Enterprise-Class Components	yes	yes
CPU Cores / Threads / Clock	4 / 8 / 3.5 GHz	4 / 4 / 3.5 GHz
System Memory	16 GB (32 GB optional)	8 GB
Connections		
USB	6x USB 3.0	6x USB 3.0
Network	2x Gigabit LAN	2x Gigabit LAN
Remote Management Module	yes	yes
Serial Port (COM)	2	2
Power Supply		
Power Supply Specifications	350 W (80 Plus Gold), 100-240VAC, 50-60Hz	
Power Consumption (Real Conditions) ¹	185 W	100 W
British Thermal Unit (BTU/h)	631.2 BTU/h	341.2 BTU/h
Dimensions / Weight		
Dimensions (Width x Depth x Height)	444 x 330 x 44 mm (17.48 x 12.99 x 1.73 inch)	
Weight (ca.) ¹	4.5 kg (9.92 lbs)	3.5 kg (7.72 lbs)
Ambient Conditions		
Ambient Temperature (operating)	0-32 °C (32-89.6 °F)	0-32 °C (32-89.6 °F)
Warranty / Support		
Warranty Period	2 years (extended warranty for 3 / 4 / 5 years optional)	
Premium Support	included (during warranty period)	

Product	Mediaserver M2 (4U)	
Model	Mediaserver M2 Player	Mediaserver M2 Manager
Audio Interface		
Analog In / Out (unbalanced)	3.5 mm TRS	3.5 mm TRS
S/PDIF Output	optical	optical
Audio Expansion Option Stereo	Analog: Stereo XLR (balanced) / Digital: AES/EBU, ADAT, S/PDIF / Others: MIDI, Headphone	
Audio Expansion Option AES/EBU	Digital: 8x AES/EBU (XLR) / Others: Wordclock, MIDI	
Audio Expansion Option MADI	Digital: 1x MADI (BNC + optical) / Others: Wordclock, MIDI	
Audio Expansion Option DANTE	Digital: 1x Dante (2x RJ45, redundant)	
Hardware		
Optimized for 24/7 operation	yes	yes
Enterprise-Class Components	yes	yes
CPU Cores / Threads / Clock	10 / 20 / 4.3 GHz	8 / 16 / 4.5 GHz
System Memory	32 GB ECC (64 GB / 128 GB optional)	
Connections		
USB	2x USB 3.1, 6x USB 3.0	
Network	2x 10 Gigabit LAN (8 Outputs: 2x 1 Gigabit LAN)	
Remote Management Module	yes	yes
Serial Port (COM)	1	1
Power Supply		
Power Supply Specifications	700 W redundant (80 Plus Gold), 100-240VAC, 50-60Hz	
Power Consumption (Real Conditions) ¹	400 W	300 W
British Thermal Unit (BTU/h)	1,364.9 BTU/h	1,023.6 BTU/h
Dimensions / Weight		
Dimensions (Width x Depth x Height)	430 x 462 x 176 mm (16.93 x 18.19 x 6.93 inch)	
Weight (approx.) ¹	17 kg (37.48 lbs)	18 kg (39.68 lbs)
Ambient Conditions		
Ambient Temperature (operating)	0-32 °C (32-89.6 °F)	0-32 °C (32-89.6 °F)
Warranty / Support		
Warranty Period	3 years (extended warranty for 4 / 5 years optional)	
Premium Support	included (during warranty period)	

¹ depending on additional options, peripherals, adapters etc.

XI-MACHINES
Perfection - Made in Germany

Plan your next project with us!

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