

MC-C2KXS

Multimedia Server

Specification V4.0



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1 Update History

Document version	Release time	Update history
V4.0	July 16, 2025	First release

2 Product Introduction

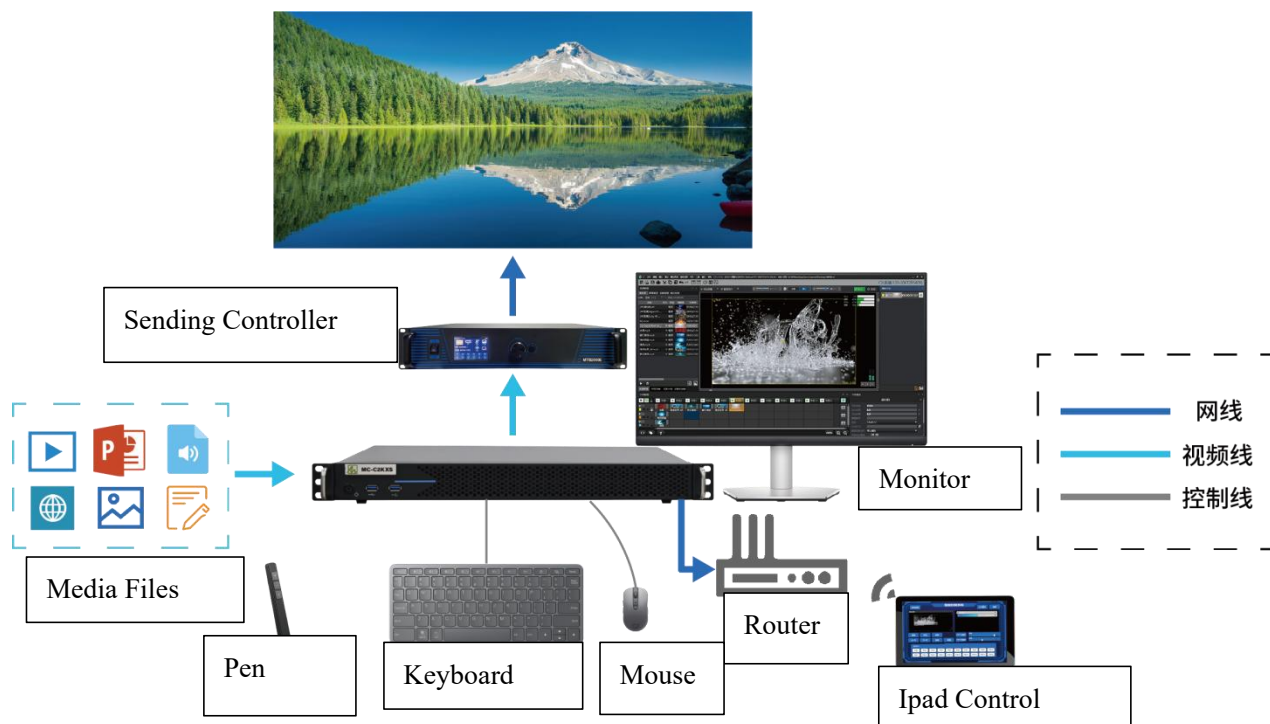
MC-C2KXS multimedia broadcasting and control server adopts an integrated custom industrial motherboard, which can meet the performance requirements of 1 4K@60Hz video signal output. Combined with the MC-C2 multimedia “playback and control” software, it offers features such as creative splicing of the led display, decoding of ultra-high resolution video, and device status monitoring. It can achieve 1*4K pixel-to-pixel display for large screens and support various splicing of irregular screens, greatly meeting the playback and control requirements of various projects.

3 Product Features

- Support 1 channel HDMI2.0 video output interface, single interface supports output 4K@60Hz
- Play in window mode, edit video and graphic materials through the window
- Supports 4 playback windows, playing simultaneously
- Support arbitrary segmentation and reorganization of images, geometric deformation and rotation, and complete the display of different shapes and angles
- Powerful decoder, supporting high-performance hardware decoding formats: H.265, HVC, HAP, etc., with built-in optimized decoding.
- Supports control protocols: Art-Net, OSC, MIDI, TCP/UDP, HTTP, IOT, etc.

- Tablet control (optional), supports mobile control APP, enabling centralized management and quick operation of exhibition devices.
- Supports media masking with customizable mask templates.
- Supports R, G, B chroma keying with customizable keying areas.
- Supports fade-in/fade-out transition effects for program switching.
- Supports adjustment of multiple playback effect attributes including playback speed, transparency, volume, saturation, hue, contrast, brightness, feathering, and color smoothing
- Window mode playback with unlimited number of window layers.
- Playback supports loop playback, last frame hold, and program jump.
- Supports setting power-on/power-off scripts for automatic playback control via the control terminal.
- Supports scheduled tasks for timed playback
- Supports NDI, Spout, and capture card signal input, with optional HDMI and SDI capture cards
- Supports PPT playback, with support for PPT control via presentation clicker
- Supports Wake-on-LAN and auto power-on
- Supports abnormal status detection, providing key information prompts for device and content playback exceptions
- Supports device status monitoring, including server CPU and memory usage, rendering frame rate, and screen status
- Supports screen lock function, allowing instant locking of the software interface to prevent accidental operation

4 Application Scenarios



5 Product Appearance

Front Panel



*Product images are for reference only. The actual product shall prevail upon purchase.

5.1 Interface Illustration

#	Name	Illustration
1	Power Restart	Restart the server device
2	USB	2 × USB 3.0 interface

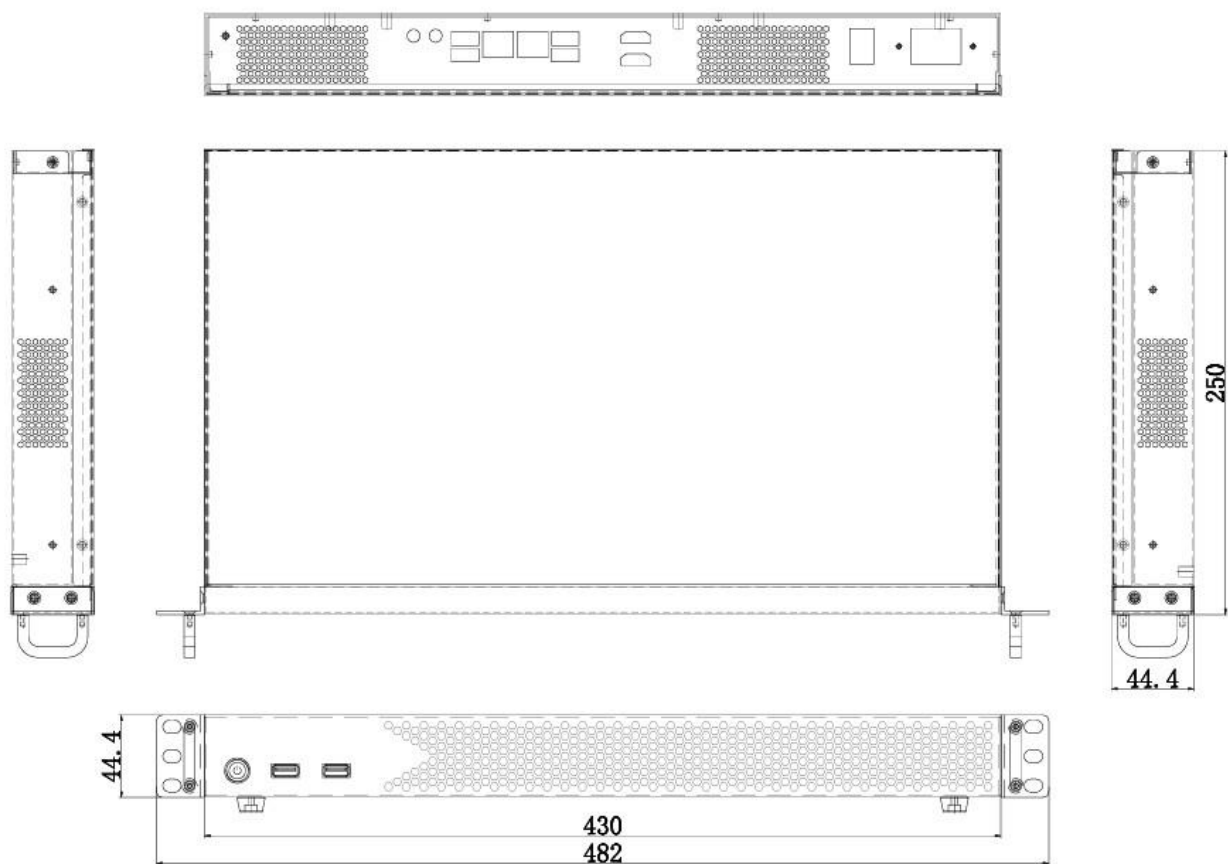
Rear Panel



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#	Name	Illustration
1	HDMI	2×HDMI2.0 interface
2	USB	2×USB2.0 interface
3	Network Interface	2 × 2.5G network port
4	USB	2×USB2.0 interface
5	Audio Interface	Audio Output Interface, 1xLine-out,1xMIC
6	Power Supply	AC 100-240V power input interface

5.2 Product Dimension



Tolerance: ± 0.3 Unit: mm

6 Product Parameters

6.1 Basic Parameters

Product name	Multimedia server (integrated control and display)
Product model	MC-C2KXS
Hardware output	HDMI2.0×1
Graphics card	High performance output graphics card
CPU	AMD Ryzen Multi-Core High Frequency Processor
Memory	8G DDR4
Hard disk capacity	256GB M.2High Speed Solid State Drive
Power supply	120W
Chassis	1Uindustrial control server chassis
Broadcast control software	MC-C1broadcast control software

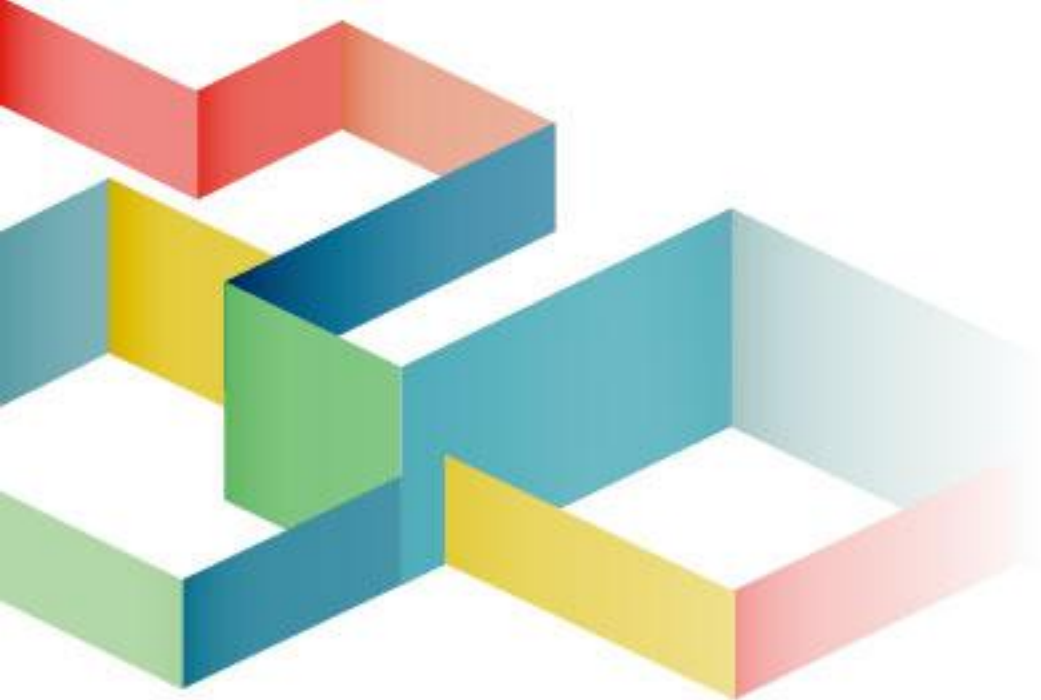
6.2 Specification

Electrical parameters	Rated voltage	AC-100-240V-50/60HZ
	Rated power	120W
Working environment	Operating temperature	0°C~+40°C
	Working humidity	0%RH~80%RH non-condensing
Storage environment	Storage temperature	-10°C~+60°C
	Storage humidity	0%RH~95%RH, non-condensing
Chassis size	482mm×250mm×44.4mm	
Net weight	2Kg	
Packaging information	Outer box size	560mm×355mm×155mm
	Accessories	1 × power cord, 1 × certificate

Current and power consumption may vary depending on factors such as product usage, environment, and settings.

7 Precautions

- High voltage hazard: This product operates at AC 100V~240V.
- Do not allow liquids or metal fragments and other conductive materials to enter the device, to prevent safety accidents.
- Please use the device in a dry and clean environment



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