

MC-C2KXM

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

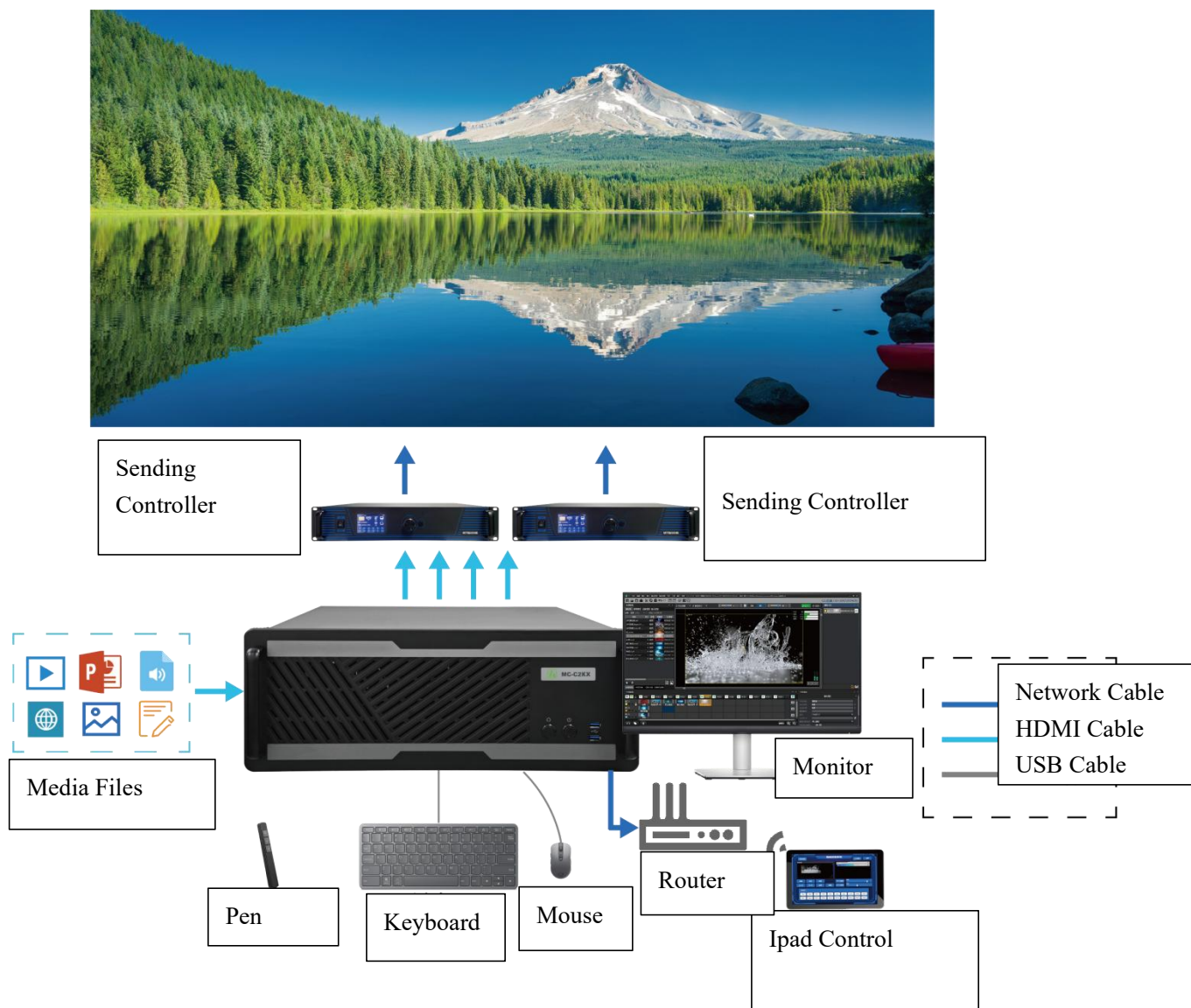
MC-C2KXM is an display and control integrated server with strong broadcast control function and high work stability. It adopts high-performance processor with professional and stable industrial main board, which can meet the output of 2*4K@60Hz video signals; with MC-C2 multimedia broadcast control software, it supports super-resolution video decoding, equipment status monitoring and other functional features. It can complete the pixel-by-pixel display of 2*4K large screens, and supports a variety of complex layout creative splicing solutions to meet personalized display needs.

3 Product Features

- Support 2-channel Mini DP video output interface, single interface supports output 4K@60Hz
- Allows arbitrary rotation of images and splicing of displays at 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 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

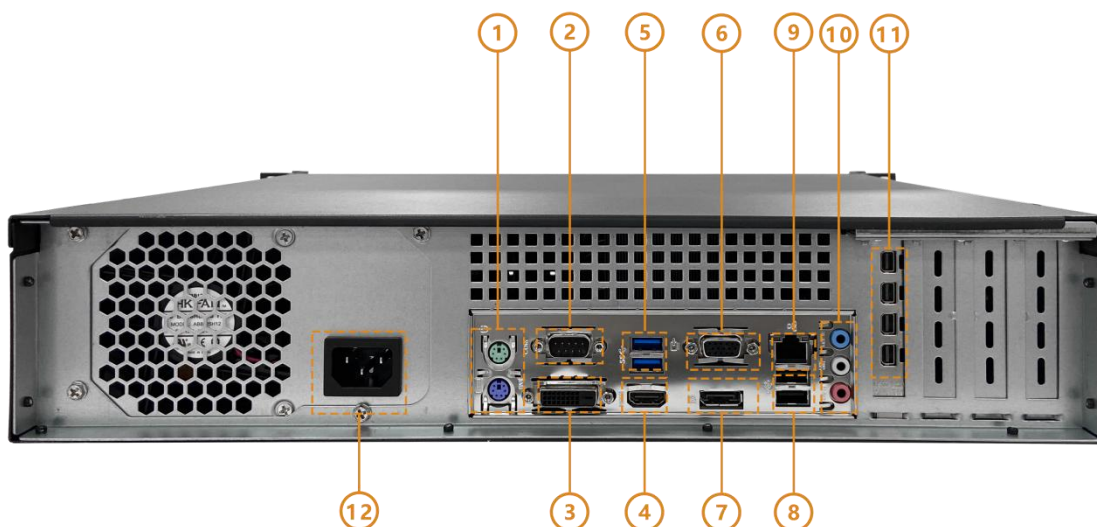


*Product images are for reference only. The actual product shall prevail upon purchase.

5.1 Interface Illustration

#	Name	Illustration
1	2.9 Inch LCD Screen	Display chassis temperature and running time
2	Power Restart	Restart the server device
3	Power switch	Switch server device
4	USB	2 × USB 3.0 interface

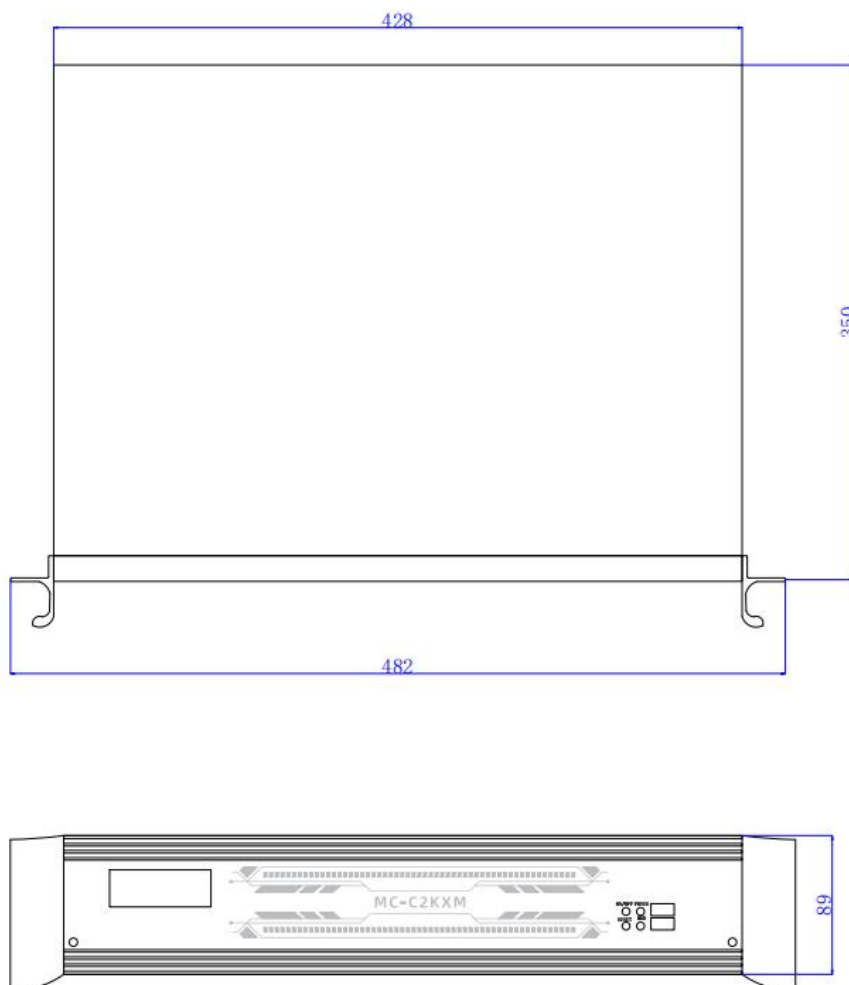
Rear Panel



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#	Name	Illustration
1	PS/2	PS/2 keyboard and mouse interface
2	Serial Port	Serial Port (COM)
3	DVI-D	1×DVI-D interface
4	HDMI	1×HDMI interface
5	USB	2×USB 3.2 Gen 1 interface
6	VGA	1×VGA interface
7	DP	1×DP interface
8	USB	2×USB2.0 interface
9	RJ-45	1×RJ-45 Network Interface
10	Audio Interface	Audio input and output interface, microphone interface
11	Mini DP	4×Mini DP output interface
12	Power Supply	AC 100-240V power input interface

5.2 Product Dimensions



Tolerance: ± 0.3 Unit: mm

6 Product Parameters

6.1 Basic Parameters

Product name	Multimedia server (integrated control and display)
Product model	MC-C2KXM
Hardware output	Mini DP×2
Graphics card	NVIDIA professional graphics card
CPU	Intel 6 core 12 thread
Memory	8G DDR4
Hard disk capacity	500GB M.2High Speed Solid State Drive
Power supply	300W
Chassis	2U industrial control server chassis
Broadcast control software	MC-C2broadcast control software

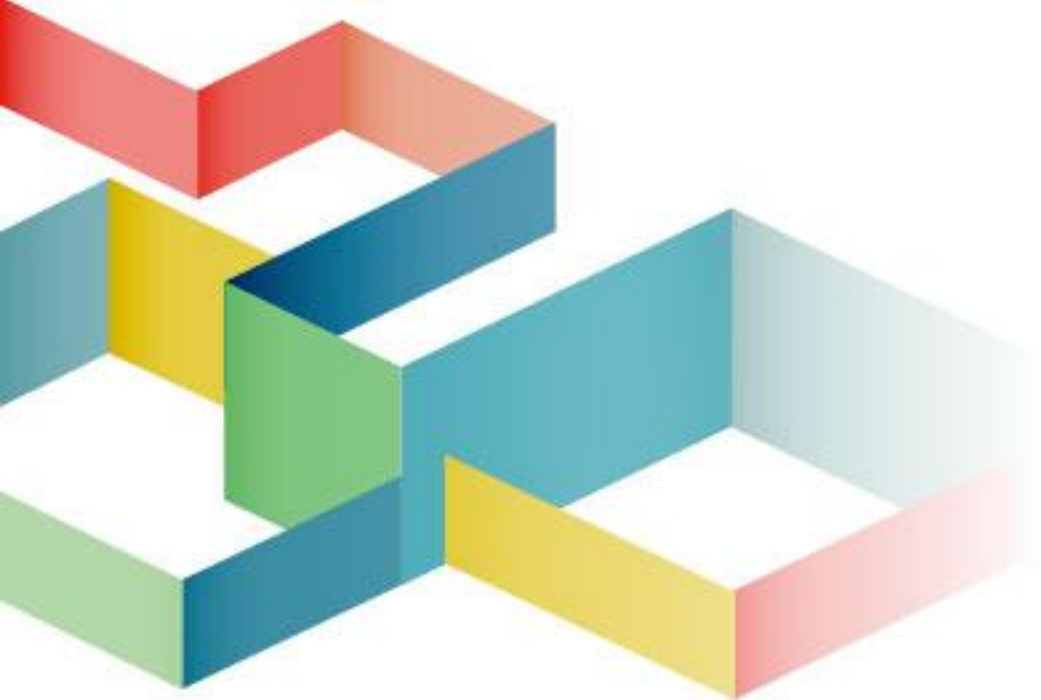
6.2 Specifications

Electrical parameters	Rated voltage	AC-100-240V-50/60HZ
	Rated power	300W
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×350mm×89mm	
Net weight	6.8Kg	
Packaging information	Outer box size	540mm×480mm×170mm
	Accessories	1 × power cord, 2 × Mini DP to DP cable, 1 × Mini DP to HDMI cable, 1 × broadcast control software encryption lock, 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.



National after-sales services hotline: 400-881-3531

Official website: www.mooncell.com.cn

Address: Mooncell Building, Third Industrial Zone, Baoshi South Road,
Shiyan Street, Baoan District, Shenzhen

